2024 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

MULTI-UNIT ASH POND SYSTEM

HARDING STREET GENERATING STATION

PREPARED FOR:
Mr. David Heger
Senior Counsel
AES US Services. LLC
One Monument Circle, Suite 701A
Indianapolis, IN 46204-2901

PREPARED BY:
Atlas Technical Consultants LLC
7988 Centerpoint Drive, Suite 100
Indianapolis, IN 46256

January 30, 2025

January 30, 2025 Atlas Project No. 170AES0002

Mr. David M. Heger
Senior Counsel
AES US Services, LLC
One Monument Circle, Suite 701A
Indianapolis, Indiana 46204-2901

Re: 2024 CCR Annual Groundwater Monitoring and Corrective Action Report
Indianapolis Power & Light Company d/b/a AES Indiana (AESI)
Harding Street Generating Station – Multi-Unit Ash Pond System
Indianapolis, Indiana
Atlas Project No. 170AES0002

Dear Mr. Heger:

Atlas Technical Consultants LLC (Atlas) has prepared this 2024 CCR Annual Groundwater Monitoring and Corrective Action Report for the Ash Pond System at the AESI Harding Street Generating Station (HSS) in Indianapolis, Marion County, Indiana. This report has been prepared to comply with reporting requirements described in the United States Environmental Protection Agency's (USEPA) Coal Combustion Residuals (CCR) Rule § 257.90(e). This annual report documents the status of the groundwater monitoring and corrective action program for the ash pond system and includes information required by § 257.90(e)(1) through § 257.90(e)(6).

Federal CCR Rule § 257.90(e)(6) specifies the following:

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.

Overview of 2024 Groundwater Monitoring and Corrective Action

For the duration of the 2024 reporting period, the CCR units at the Harding Street Generating Station - Ash Pond System 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 2024.

At the end of the 2024 reporting period, it was determined that the following Appendix IV constituents were at statistically significant levels (SSLs) above the associated groundwater protection standards (GWPS) pursuant to § 257.95(g)[1]. The SSLs are as follows:

Antimony	Arsenic	Lithium	Molybdenum
SHALLOW			
MW-9S*	MW-2S	MW-5S*	MW-6S
	MW-2D	MW-6S	MW-7S
	MW-6S	MW-7S	MW-8S
	MW-7S	MW-8S	MW-12S*
	MW-10S	MW-9S*	MW-13S
	MW-12S*	MW-12S*	MW-14D
	MW-13S	MW-13S	
	MW-14D	MW-14D	
INTERMEDIATE			
	MW-7D	MW-7D	MW-7D
	MW-10S	MW-10D	MW-9I
	MW-10D	MW-11D	MW-12D
	MW-11D	MW-12D	MW-13D
	MW-12D	MW-13D	
	MW-13D		
DEEP			

*SSLs listed for MW-5S, MW-9S, and MW-12S (dry in November 2023 and May 2024) are based on SSLs identified during the previous event the wells generated sufficient water for sampling (MW-5S May 2023; MW-9S November 2020; MW-12S May 2022).

The above listed SSLs are not new constituent SSLs and were previously identified. Therefore, no new SSL notification was required pursuant to § 257.94(e).

[1] SSLs provided are based on the May 2024 monitoring event, as November 2024 sampling data was not finalized in 2024.

The assessment of corrective measures was initiated for the Harding Street Generating Station CCR regulated units on April 15, 2019 in response to SSLs of Appendix IV constituents exceeding GWPS. Pursuant to 40 CFR §257.96(a), a demonstration of need for a 60-day extension for 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 September 13, 2019 and subsequently amended on October 11, 2019. The nature and extent of CCR affected groundwater has been sufficiently characterized to support a CMA public meeting and subsequent selection of remedy. An updated CMA report is being prepared that incorporates the supplemental information collected since 2019 which includes additional groundwater monitoring data, groundwater N&E investigations, conceptual site model development, geochemical and site-specific investigations, groundwater modeling updates, and potential corrective measures evaluations.

At an appropriate time, a public meeting will be held, a remedy will be selected pursuant to § 257.97, and implementation of the selected remedy will be initiated thereafter in accordance with § 257.98.

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).*

The following key actions have been completed in 2024 to comply with 40 CFR 257.90-98:

- November 2023 laboratory analytical reports were finalized and placed in the facility operating record pursuant to 40 CFR 257.95(d)(1).

- Efforts to determine the N&E of the Appendix IV SSLs continued pursuant to § 257.95(g) as follows:

  - ✓ Groundwater samples were collected from onsite monitoring wells (MW-2IL, MW-2D1, MW-4I, MW-4D, MW-5D, MW-6I, MW-6D, MW-7D1, MW-8D, MW-12D1, MW-14I, MW-14IL, MW-14D1) in November 2023 to further delineate the horizontal and vertical extent of constituents in groundwater downgradient of the Ash Pond System;

- ✓ Groundwater samples were collected from onsite well clusters (MW-16, MW-17, MW-18) in November 2023 to further delineate the horizontal and vertical extent of constituents in groundwater along the western property boundary; and

- ✓ Continued gauging and sampling from the eleven well nests at the Heidelburg Materials (formerly known as Hanson Aggregates) Harding Street Quarry,

- Collected supplemental soil samples near CCR monitoring wells (MW-7S, MW-13S, MW-14D) and groundwater samples from CCR monitoring wells (MW-1S, MW-1D, MW-7S, MW-8S, MW-14D, MW-15D) and N&E monitoring well (MW-7D1) to further evaluate groundwater treatment technologies.

- Incorporated the May 2023 groundwater analytical results into the groundwater flow and constituent fate and transport modeling.

- Semi-annual assessment monitoring sampling events were conducted in 2024 as required by § 257.95(b) and § 257.95(d)(1). Pursuant to 40 CFR 257.95(b), each Appendix IV constituent was sampled in 2024. Pursuant to 40 CFR 257.95(d)(1), semi-annual sampling of each Appendix III parameter and Appendix IV constituent detected in response to 40 CFR 257.95(b) was conducted in 2024. Specifically, each Appendix IV constituent was sampled during the spring event. If a constituent is not detected at the site during the spring event, it is not analyzed during the fall event. Each sampling event was performed consistent with 40 CFR 257.93(e). Subsequent SSLs evaluation of the November 2023 and May 2024 data were performed within 90 days of completing the sampling and analysis pursuant to § 257.93(h)(2)[2].

- Semi-Annual Remedy Selection Progress Reports pursuant to § 257.97(a) for the period of September 20, 2023 through March 17, 2024, and for the period of March 18, 2024 through September 13, 2024 were completed and placed in the facility's operating record and posted to AESI's CCR Website.

To report on the activities conducted during the prior calendar year and document compliance with the CCR Rule, the specific requirements listed in § 257.90(e)(1) through § 257.90(e)(5) are provided below in bold/italic type followed by a short narrative addressing how that specific requirement has been met.

At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:

§ 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;

[2] Sampling results for the November 2023 and May 2024 semi-annual assessment monitoring events are summarized in **Table 3** and **Table 5**, respectively. Please refer to Section § 257.90(e)(4) on Page 10 of this report regarding SSL evaluation results.

AESI operates the Harding Street Station located in Indianapolis, Indiana. It is located at 3700 South Harding Street. A Site Location Map is provided as **Figure 1**. A map showing the location of each CCR management unit, associated upgradient and downgradient CCR monitoring wells, and N&E monitoring equipment installed between 2019 and 2023 is provided as **Figure 2**.

§ 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 2024.

The location of the CCR groundwater monitoring well network, N&E wells, and N&E piezometers are depicted on **Figure 2**.

§ 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;

Table 1 provides a summary of the number of groundwater samples collected at each CCR monitoring well and N&E monitoring equipment, sampling dates, and designation of whether samples were required by the detection or assessment monitoring program.

Groundwater elevation data is provided in **Table 2**.

Assessment monitoring groundwater analytical results for the November 2023 combined semi-annual assessment monitoring event, including on site N&E wells M-4, MW-16S, MW-16D, MW-17I, MW-17IL, MW-17D, MW-18S, MW-18I, MW-18D, and off-site N&E wells PZ-100S, PZ-100D, PZ-101S, PZ-101D, MW-102D, MW-103S, MW-103I, MW-103D, MW-104D, MW-105S, MW-105I, MW-105D, MW-106S, MW-106D, MW-107S, MW-107I, MW-107D, MW-108S, MW-108D, MW-109I, MW-109D, MW-110S, and MW-110D are summarized in **Table 3**. Monitoring wells MW-3S, MW-4SR, MW-5S, MW-9SR, MW-12S, MW-15S, MW-17S, MW-102S, MW-104S, MW-106I, MW-109S, and MW-110I were dry during the November 2023 sampling event.

Groundwater analytical results for the February 2024 sampling event for on-site N&E monitoring wells MW-18S, MW-18I, and MW-18D are summarized in **Table 4**.

Groundwater analytical results for the May 2024 combined semi-annual assessment monitoring sampling event, on-site N&E wells M-4, MW-16S, MW-16D, MW-17S, MW-17I, MW-17IL, MW-17D, and off-site N&E wells PZ-100S, PZ-100D, PZ-101S, PZ-101D, MW-102D, MW-103S, MW-103I, MW-103D, MW-104D, MW-105S, MW-105I, MW-105D, MW-106S, MW-106I, MW-106D, MW-107S, MW-107I, MW-107D, MW-108S, MW-108D, MW-109I, MW-109D, MW-110S, and MW-110D are summarized in **Table 5**. Monitoring wells MW-4SR, MW-5S, MW-9SR, MW-12S, MW-17S, MW-102S, MW-104S, MW-109S, and MW-110I were dry during the May 2024 sampling event.

Groundwater results for the November 2024 combined semi-annual assessment monitoring sampling event and on-site and off-site N&E event were not finalized in 2024 and therefore are not included with this submittal.

Potentiometric surface maps for the May 2024 sampling event are provided as **Figure 3** through **Figure 5**. Potentiometric surface maps for the November 2024 sampling event are provided as **Figure 6** through **Figure 8**. Flow rate vectors are depicted on the maps. Gauging summary tables and flow velocity calculations for each event are provided as supporting documentation in **Appendix A**. Laboratory certificates of analysis are provided in **Appendix B**.

Statistical Evaluation Procedures

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

This plan is based on the use of the commercial software DUMPStat[3] (Version 3.0). The DUMPStat program uses statistical tests, procedures, and testing sequences described in Statistical Methods for Groundwater Monitoring[4] (Gibbons et. al., 2009). The statistical methods for the HSS 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 and state guidance, and are also consistent with Indiana's regulations addressing statistical evaluation of groundwater at solid waste landfills.

The CCR ash pond groundwater monitoring system at the HSS consists of twenty-seven (27) monitoring wells: MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, MW-5S, MW-6S, MW-7S, MW-7D, MW-8S, MW-9S, MW-9I, MW-9D, MW-10S, MW-10D, MW-11S, MW-11D, MW-12S, MW-12D, MW-13S, MW-13D, MW-14D, MW-15S, MW-15I, and MW-15D. Monitoring wells MW-15S, MW-15I, and MW-15D represent upgradient/background wells, while the remaining wells represent waste boundary (downgradient) wells. The wells were installed in accordance with the requirements of Federal CCR Rule § 257.91 between September 25, 2015 and August 17, 2018.

The original upgradient well set consisted of monitoring wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, and MW-8S. The groundwater monitoring system was re-certified in 2019 in accordance with the requirements of Federal CCR Rule § 257.91 to account for the utilization of MW-15S, MW-15I, and MW-15D as the new upgradient/background monitoring wells for the CCR well network, replacing the original upgradient/background wells. Historically, the unconsolidated aquifer had been organized into shallow and deep aquifer zones for monitoring

[3] DUMPStat Version 3.0 was written by Robert D. Gibbons and is distributed and supported by Discerning Systems Inc.
[4] Gibbons, R.D., Bhaumik D. K., Aryal S., 2009, Statistical Methods for Groundwater Monitoring, Second Edition, John Wiley & Sons, Inc. New York, 374 pages.

purposes. With the additional subsurface data that has been obtained during the N&E investigations, the aquifer is now organized into three distinct zones – shallow, intermediate, and deep. For evaluation purposes, the unconsolidated aquifer materials are split into shallow, intermediate, and deep zones. Data from MW-15S is used to provide background for the shallow aquifer zone, data from MW-15I is used to provide background for the intermediate zone, and data from MW-15D is used to provide background data for the deeper aquifer zone.

Statistical levels defined in this evaluation plan depend, in part, on the values defined for certain settings in DUMPStat. The Plan is based on making interwell comparisons for each well and each parameter. The background database contains results from September 2018 through the respective November 2023 and May 2024 semi-annual events for the upgradient monitoring wells, and from April 2016 through the respective November 2023 and May 2024 semi-annual events for the downgradient wells. The minimum background sample size was set to eight (8). Under this plan, if a detection monitoring result in a compliance well exceeds a statistical limit, a statistically significant increase, or SSI, will be declared.

Semi-annual assessment monitoring sampling events were conducted in 2024 as required by § 257.95(b) and § 257.95(d)(1). Pursuant to 40 CFR 257.95(b), each Appendix IV constituent was sampled in 2024. Pursuant to 40 CFR 257.95(d)(1), semi-annual sampling of Appendix III parameters and Appendix IV constituents detected in response to 40 CFR 257.95(b) was conducted in 2024. Each sampling event was performed consistent with 40 CFR 257.93(e). Subsequent Statistically Significant Level (SSL) evaluation of the November 2023 and May 2024 data were performed within 90 days of completing the sampling and analysis pursuant to § 257.93(h)(2).

1.1 Background Data

Pursuant to 257.94(b), the monitoring well network has been sampled to establish a minimum eight background data sets prior to completion of initial statistical analyses. Groundwater samples were analysed for the Appendix III parameters: boron (total), calcium (total), chloride, fluoride, pH, sulfate, and total dissolved solids (TDS); and for the Appendix IV parameters: antimony (total), arsenic (total), barium (total), beryllium (total), cadmium (total), chromium (total), cobalt (total), fluoride, lead (total), lithium (total), mercury (total), molybdenum (total), selenium (total), thallium (total), and total radium.

Included in this appendix are summaries of the historical data for the statistically evaluated parameters for the HSS. Historical data from groundwater sampling events were imported into the DUMPStat database. **Table C-1** in **Appendix C** contains groundwater quality data collected from the background monitoring wells MW-15S, MW-15I, and MW-15D. Prediction limits based on groundwater quality reported from the background monitoring wells were calculated for each parameter and are presented in **Table C-5** of **Appendix C**.

1.2 Defined Statistical Tests - Interwell Statistical Comparisons

While Appendix III detection monitoring continues during the completion of the Appendix IV assessment monitoring program, detection monitoring statistics were not completed in 2024, as the facility has entered into statistical evaluation of assessment monitoring parameters.

Appendix IV assessment monitoring parameters are statistically evaluated using the appropriate upgradient versus downgradient statistical test also known as an interwell statistical comparison. To assign the appropriate upgradient versus downgradient statistical test, DUMPStat first checks the parameter concentration to determine the detection frequencies (**Appendix C, Table C-3**). It then applies the Shapiro-Wilk Test of Normality for Multiple Groups to determine if the data for each parameter are normally or lognormally distributed, or if a nonparametric prediction limit must be used (**Appendix C, Table C-4**). The statistics are then calculated and the prediction limits established (**Appendix C, Table C-5**). DUMPStat screens the background data using Dixon's test to remove the outliers. The results of the Dixon's test are listed in **Appendix C, Table C-6**. The parameters that exceed statistical limits in the downgradient monitoring wells, along with the associated historical data for those parameters, are listed in **Appendix C Table C-7**.

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.

As will be explained in a subsequent section, calculated prediction limits are used in the development of GWPSs for each Appendix IV constituent.

1.3 False Positive Rates and Statistical Power

Included in this appendix is the power curve calculated by DUMPStat for both the shallow and deep monitoring zones at the site for this interwell monitoring plan. As indicated in the US EPA Unified Guidance[5] document, as a general guide, when background 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. The calculated statistical power curve indicates general compliance with this guidance; the facility's statistical program has the annual power to detect 3- and 4-standard deviation increases above the true background mean. It is expected that the power curves will also improve as additional background data are added over time.

1.4 Interwell Statistics Comparisons

Future groundwater quality results at monitoring wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4SR, MW-5S, MW-6S, MW-7S, MW-7D, MW-8S, MW-9SR, MW-9I, MW-9D, MW-10S, MW-10D, MW-11S, MW-11D, MW-12S, MW-12D, MW-13S, MW-13D, MW-14D will be statistically compared to results from Monitoring Wells MW-15I and MW-15D.

1.5 Background Sample Size

The number of background samples for Appendix IV parameters is listed in the "N" column of **Appendix C Table C-5**. The minimum background sample size is eight.

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

1.6 Appendix IV Assessment Monitoring – Statistical Procedures to Determine GWPS Exceedances

In accordance with 257.95(a), as SSIs have previously been identified for one or more Appendix III constituents at one or more downgradient wells, an Appendix IV assessment monitoring program has been established. Prediction limits are calculated for each Appendix IV parameter. A groundwater protection standard (GWPS) for each Appendix IV parameter will also be established. The GWPS will be the larger of the background prediction limit, the regulatory standard (maximum contaminant level, MCL), or the USEPA Screening Level[6] for those Appendix IV constituents (cobalt, lithium, molybdenum) that do not have a defined MCL.

Appendix IV parameters are evaluated by calculating the lower confidence limit (LCL) on the mean of the last four reported concentrations for each Appendix IV parameter in each downgradient (compliance) well to the GWPS. This approach is discussed in technical literature (Gibbons and Coleman, 2001, Equation 19.5, p. 231)[7] and the US EPA Unified Guidance (2009). The 95% LCL of the mean of the last four measurements for each Appendix IV constituent will be calculated as follows:

$$LCL = \bar{x} - ts/\sqrt{m}$$

LCL = lower confidence limit for mean;

t = one-tailed 100(1-α) percentage point of Students *t*-distribution on m-1 degrees of freedom;

m = number of sample measurements;

$s/\sqrt{m}$ = standard error of the mean; and

$\bar{x}$ = sample mean of m measurements.

At each downgradient well, the lower confidence limit will be calculated to the 95% confidence level for each Appendix IV parameter. The 95% LCL will be compared to the associated GWPS (the greater of the background prediction limit, MCL, or USEPA Screening Level as described above). A GWPS exceedance will be identified if the 95% LCL exceeds the GWPS; this corresponds to identification of an SSL. The 95% LCL will be re-calculated following each sampling event using a rolling average of the four most recent sample results.

Appendix III detection monitoring will continue during the completion of the Appendix IV assessment monitoring program.

[6] USEPA Amendments to the National Minimum Criteria (Phase One, Part One), Disposal of Coal Combustion Residuals from Electric Utilities; effective August 29, 2018 (page 36444).

[7] Gibbons, R.D., and Coleman, D.E., 2001. Statistical Methods for Detection and Quantification of Environmental Contamination, John Wiley & Sons, 384 pp.

§ 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 Harding Street operated under the assessment monitoring program in accordance with § 257.95 during 2024. No transition between monitoring programs was conducted in 2024.

During 2024, statistical evaluations of the November 2023 and May 2024 analytical data were performed in order to determine whether there was a SSL of a new Appendix IV constituent detected above the relevant GWPS in accordance with § 257.95(g) and 257.93(h). The evaluations were completed in April 2024 and August 2024, respectively. Based on the evaluations, it was determined that the Appendix IV constituents that exceeded the GWPS include antimony, arsenic, lithium, and molybdenum; however, these are the same constituent SSLs previously identified. Since there were no new Appendix IV constituent SSLs identified, an additional notification was not triggered pursuant to 40 CFR 257.95(g). SSLs and associated wells are summarized on Page 2 of this report.

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

Table 6 summarizes the groundwater protection standards established in accordance with § 257.95(d)(2) and § 257.95(h) associated with both the November 2023 and May 2024 semi-annual assessment monitoring events.

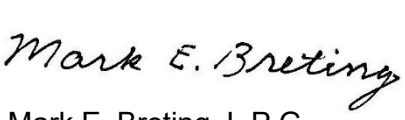
Projected key activities for the upcoming year include the following:

- Assessment monitoring sampling events in accordance with § 257.95 and consistent with § 257.90(e).
- Finalize November 2024 analytical data and complete statistical evaluation of November 2024 analytical data to determine whether there is a SSL above GWPS for Appendix IV constituents in accordance with § 257.95(g) and 257.93(h). Perform SSL evaluations of final May 2025 assessment monitoring analytical data.
- Prepare a Nature and Extent Report which will provide a comprehensive summary of data evaluation and Conceptual Site Model.
- Develop an updated Corrective Measure Assessment to account for the supplemental information collected since 2019 which is sourced from additional monitoring data, groundwater N&E investigations, CSM development, geochemical and site-specific investigations, groundwater modeling updates, and potential corrective measures evaluations.
- Continue to perform an engineering review of the potential CMA remedial alternatives. For these reviews, emphasis will be placed on integrating recent analytical results, and on identifying and evaluating applicability of emerging technologies and their potential applicability to the CMA and selection of remedy process.

- Begin preparing estimates of quantity of Appendix IV material released.
- Conduct public meeting to discuss the results of the corrective measures assessment at least 30 days prior to the selection of remedy pursuant to § 257.96(e).
- Evaluate the comments and input gained during the public meeting and begin the selection of remedy evaluation process.
- Prepare semi-annual report(s) describing progress in selecting and designing the remedy pursuant to § 257.97(a).

We appreciate the opportunity to assist with AESI's CCR Rule groundwater monitoring program at HSS Ash Pond System. Please contact either of the undersigned at 317.849.4990 if you have any questions regarding this report.

Respectfully submitted,
Atlas Technical Consultants LLC



Mark E. Breting, L.P.G.
Senior Project Geologist

Robert T. Duncan, L.P.G.
Principal Geologist

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

Figures

LEGEND:

- APPROXIMATE BOUNDARY OF ASH POND SYSTEM
- APPROXIMATE LIMITS OF REGULATED CCR SURFACE IMPOUNDMENT
- APPROXIMATE LIMITS OF NON-REGULATED CCR SURFACE IMPOUNDMENT

NOTE:
ASH POND BOUNDARY OBTAINED FROM EXHIBIT 3 IN THE HARDING STREET GENERATING STATION ASH POND SYSTEM CLOSURE AND POST-CLOSURE PLAN, REV.A. JULY 28, 2016.

HARDING STREET GENERATING STATION

POND 1
POND 3
POND 2A
POND 2B
FORMER POND 2
FORMER POND 4A
FORMER POND 4B
FORMER POND 4

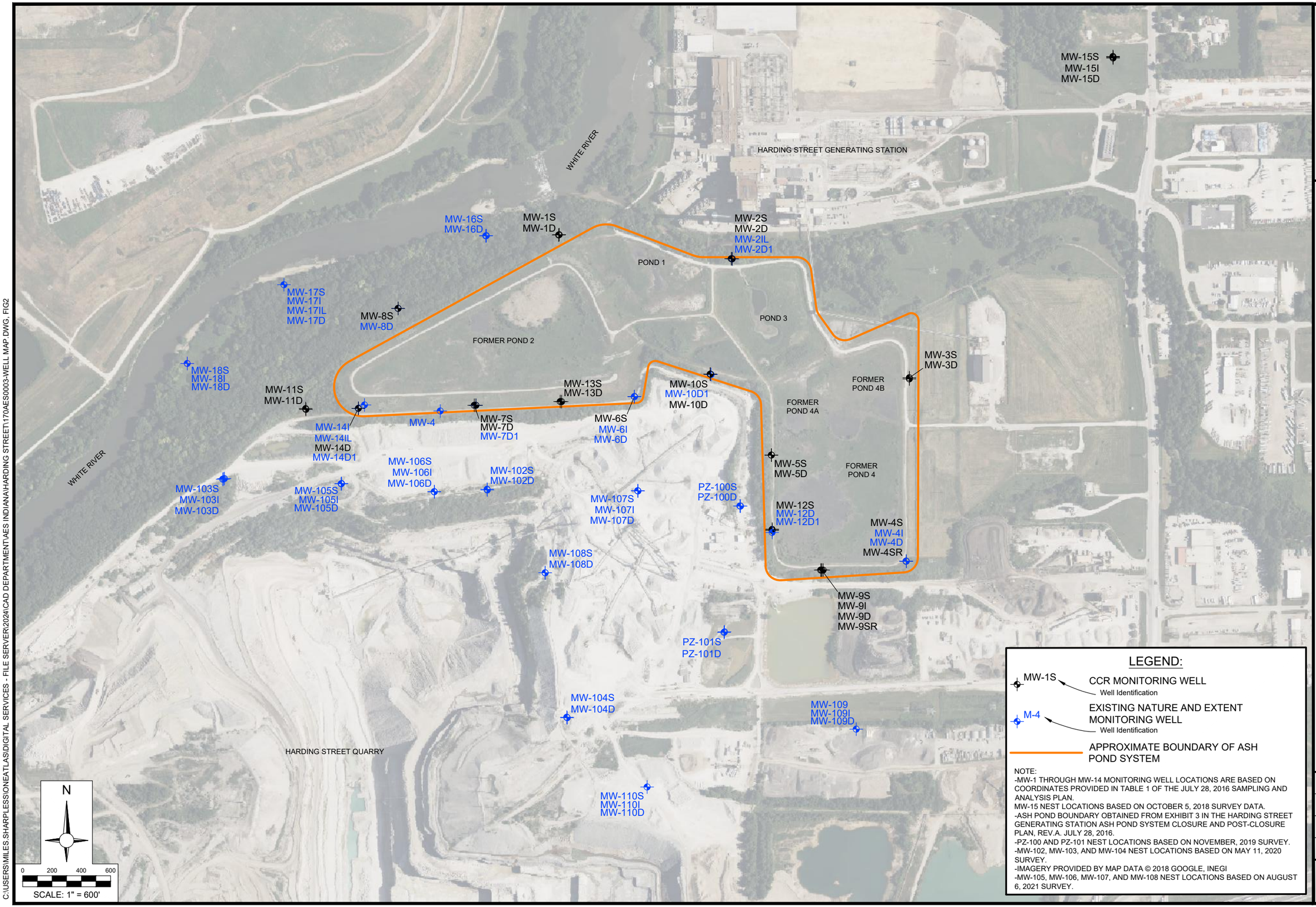
ATLAS

SITE LOCATION MAP

AES INDIANA HARDING STREET STATION
3700 SOUTH HARDING STREET
INDIANAPOLIS, INDIANA

Project Number: 170AES0003	
Date: 01/20/2025	
Drn. By: MS	Ckd. By: MB
Scale: 1" = 2,000'	
Figure: 1	

C:\USERS\MILES.SHARPLESS\ONEATLAS\DIGITAL SERVICES - FILE SERVER\2024\CAD DEPARTMENT\AES INDIANA\HARDING STREET\170AES0002\170AES0003-VIC.DWG, FIG1



C:\USERS\MILES.SHARPLESS\ONEATLAS\DIGITAL SERVICES - FILE SERVER\2024\CAD DEPARTMENT\AES INDIANA\HARDING STREET\170AES0003-WELL MAP.DWG, FIG2

LEGEND:

- MW-1S — CCR MONITORING WELL
  Well Identification
- M-4 — EXISTING NATURE AND EXTENT MONITORING WELL
  Well Identification
- APPROXIMATE BOUNDARY OF ASH POND SYSTEM

NOTE:
-MW-1 THROUGH MW-14 MONITORING WELL LOCATIONS ARE BASED ON COORDINATES PROVIDED IN TABLE 1 OF THE JULY 28, 2016 SAMPLING AND ANALYSIS PLAN.
MW-15 NEST LOCATIONS BASED ON OCTOBER 5, 2018 SURVEY DATA.
-ASH POND BOUNDARY OBTAINED FROM EXHIBIT 3 IN THE HARDING STREET GENERATING STATION ASH POND SYSTEM CLOSURE AND POST-CLOSURE PLAN, REV.A. JULY 28, 2016.
-PZ-100 AND PZ-101 NEST LOCATIONS BASED ON NOVEMBER, 2019 SURVEY.
-MW-102, MW-103, AND MW-104 NEST LOCATIONS BASED ON MAY 11, 2020 SURVEY.
-IMAGERY PROVIDED BY MAP DATA © 2018 GOOGLE, INEGI
-MW-105, MW-106, MW-107, AND MW-108 NEST LOCATIONS BASED ON AUGUST 6, 2021 SURVEY.

GROUNDWATER MONITORING SYSTEM, CCR NETWORK AND NATURE AND EXTENT WELLS/PIEZOMETERS

AES INDIANA HARDING STREET STATION
3700 SOUTH HARDING STREET
INDIANAPOLIS, INDIANA

Project Number:	170AES0003
Date:	01/20/2025
Drn. By:	MS
Ckd. By:	MB
Scale:	AS SHOWN
Figure:	2

P-4
665.21
P-5
665.78
MW-15S
666.33
665
P-6
664.91
HARDING STREET
GENERATING STATION
W HANNA AVE
665
660
M-6
WHITE RIVER
SG-2
NM
HA-PZ-2
NM
MW-16S
658.20
MW-1S
662.05
LICK CREEK
MW-2S
658.33
HA-PZ-1
NM
SG-3
NM
HA-PZ-3
658.81
POND 1
MW-17S
<656.66
SG-4
NM
HA-PZ-4
NM
PZ-1
<669.84
P1 PZ-1D
663.29
P3 PZ-1D
663.58
MW-8S
657.79
P2 PZ-1D
659.90
POND 3
P2A/B PZ-2D
662.43
P2A/B PZ-1D
660.79
POND 2A
POND 2B
PZ-11
659.62
FORMER
POND 2
V = 26 FT/YR
P2 PZ-2D
NM
PZ-4
NM
MW-10S
661.70
PZ-8
<669.23
P2 PZ-3D
657.64
SG-5
NM
HA-PZ-5
655.80
MW-7S
657.58
MW-6S
660.61
MW-3S
<662.01
P-2
661.81
MW-11S
657.12
MW-14D
657.53
M-4
657.08
MW-13S
658.82
660
655
650
645
640
635
V = 2,910 FT/YR
V = 3,490 FT/YR
MW-5S
655.37
FORMER
POND 4
MW-106S
637.84
MW-107S
650.16
PZ-100S
645.97
PZ-9
<649.36
650
MW-12S
<643.70
PZ-10
<649.91
MW-9SR
642.33
MW-4S
MW-4SR
<645.76
MW-9S
645
APPROXIMATE
EDGE OF ALLUVIUM
630
HARDING STREET
QUARRY
V = 1,360 FT/YR
MW-109S
641.10
MW-110S
626.64
635
640
630
S HARDING ST

LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- LIMITS OF ASH POND SYSTEM
- CCR MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- STAFF GAUGE LOCATION
- NATURE AND EXTENT MONITORING WELL
- 667.91 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 660 — GROUNDWATER ELEVATION CONTOUR IN FEET (INFERRED WHERE DASHED)

NOTES

1. AERIAL IMAGE FROM NEARMAP, DATED JULY 11, 2023.
2. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER ELEVATION CONTOURS DASHED WHERE INFERRED.
4. GROUNDWATER LEVELS SHOWN WERE RECORDED ON APRIL 30, 2024.
5. STAFF GAUGE LOCATIONS ARE DISPLAYED, BUT NOT USED FOR CONTOURING GROUNDWATER ELEVATIONS.
6. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (fT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
7. < = WELL WAS DRY, BOTTOM OF SCREEN ELEVATION SHOWN.

N

0 600 1200
SCALE IN FEET

HALEY ALDRICH

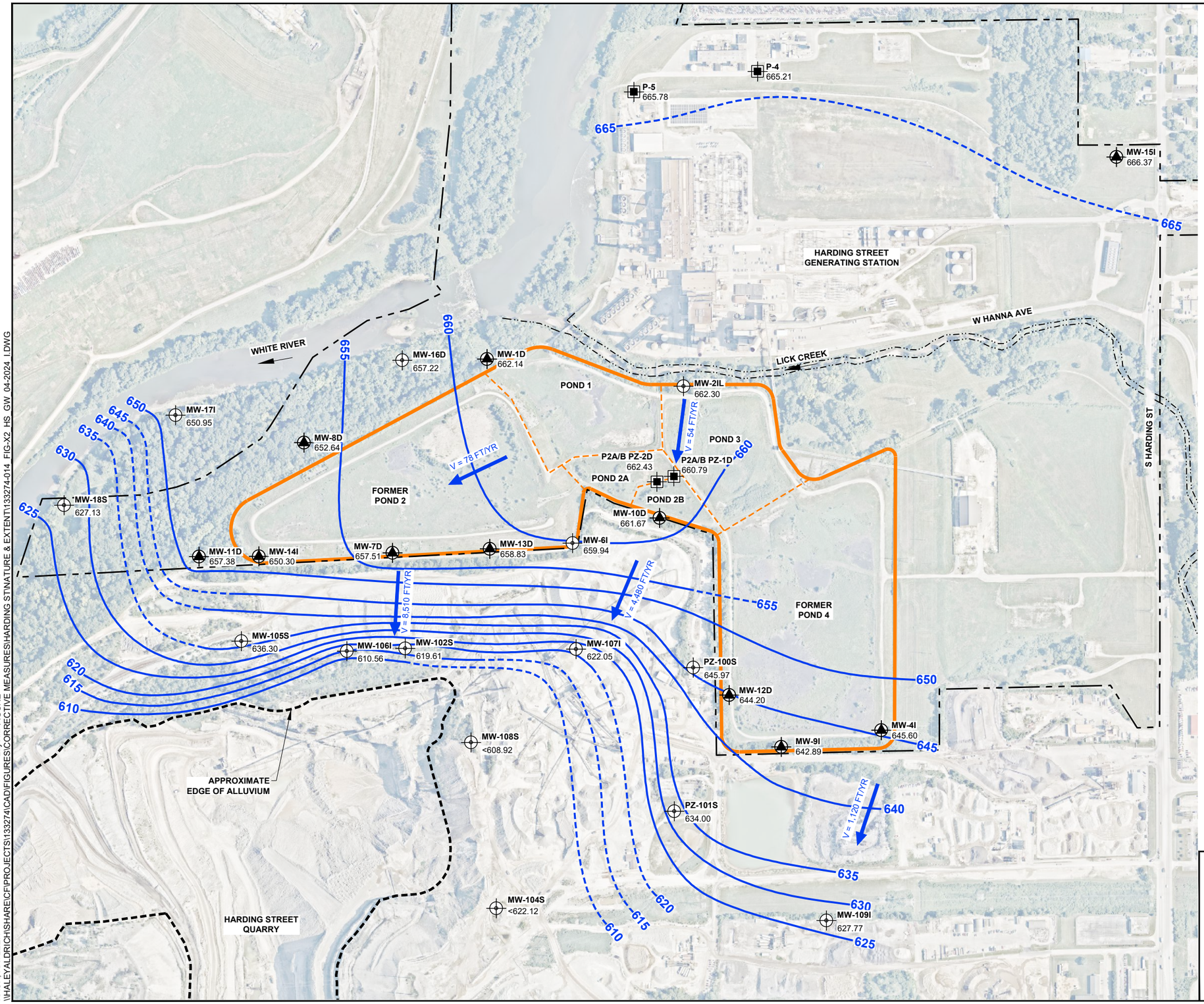
HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

GROUNDWATER FLOW MAP
SHALLOW ZONE
(APRIL 30, 2024)

SCALE: AS SHOWN
JANUARY 2025

FIGURE 3

KAUR, RAVLEEN Saved: 1/10/2025 12:42 PM Layout: FIGURE
\\HALEYALDRICH\SHARE\CF\PROJECTS\133274\CAD\FIGURES\CORRECTIVE MEASURES\HARDING ST\NATURE & EXTENT\133274-014_FIG-X1_HS_GW_04-2024_S.DWG



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- LIMITS OF ASH POND SYSTEM
- CCR MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- STAFF GAUGE LOCATION
- NATURE AND EXTENT MONITORING WELL
- 667.91 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 660 — GROUNDWATER ELEVATION CONTOUR IN FEET (INFERRED WHERE DASHED)

NOTES

1. AERIAL IMAGE FROM NEARMAP, DATED JULY 11, 2023.
2. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER ELEVATION CONTOURS DASHED WHERE INFERRED.
4. GROUNDWATER LEVELS SHOWN WERE RECORDED ON APRIL 30, 2024.
5. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (fT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
6. NM = NOT MEASURED
7. < = WELL WAS DRY, BOTTOM OF SCREEN ELEVATION SHOWN.
8. MONITORING WELL MW-11D NOT USED TO DEVELOP GROUNDWATER ELEVATION CONTOURS.

N

0 600 1200
SCALE IN FEET

HALEY ALDRICH

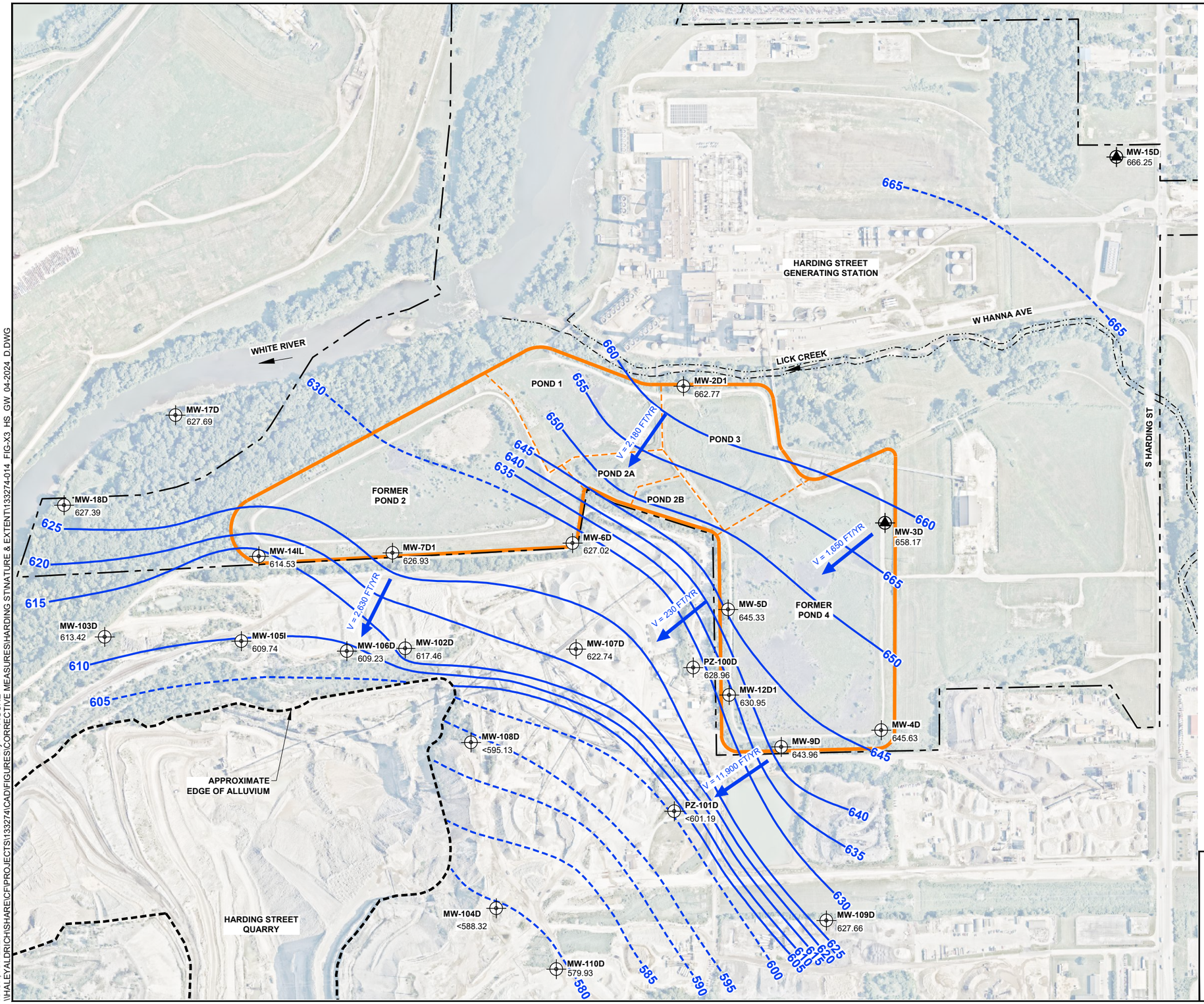
HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

GROUNDWATER FLOW MAP INTERMEDIATE ZONE (APRIL 30, 2024)

SCALE: AS SHOWN
JANUARY 2025

FIGURE 4

KAUR, RAVLEEN Saved: 1/10/2025 3:29 PM Layout: FIGURE
\\HALEYALDRICH\SHARE\CF\PROJECTS\133274\CAD\FIGURES\CORRECTIVE MEASURES\HARDING ST\NATURE & EXTENT\133274-014 FIG-X2 HS GW 04-2024 I.DWG



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- LIMITS OF ASH POND SYSTEM
- CCR MONITORING WELL LOCATION
- STAFF GAUGE LOCATION
- NATURE AND EXTENT MONITORING WELL
- 667.91 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 660 — GROUNDWATER ELEVATION CONTOUR IN FEET (INFERRED WHERE DASHED)

NOTES

1. AERIAL IMAGE FROM NEARMAP, DATED JULY 11, 2023.
2. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER ELEVATION CONTOURS DASHED WHERE INFERRED.
4. GROUNDWATER LEVELS SHOWN WERE RECORDED APRIL 30, 2024.
5. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (fT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
6. NM = NOT MEASURED
7. < = WELL WAS DRY, BOTTOM OF SCREEN ELEVATION SHOWN.

N

0 600 1200
SCALE IN FEET

HALEY ALDRICH

HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

GROUNDWATER FLOW MAP DEEP ZONE (APRIL 30, 2024)

SCALE: AS SHOWN
JANUARY 2025

FIGURE 5

KAUR, RAVLEEN Saved: 1/10/2025 3:25 PM Layout: FIGURE
\\HALEYALDRICH\SHARE\CF\PROJECTS\133274\CADD\FIGURES\CORRECTIVE MEASURES\HARDING ST\NATURE & EXTENT\133274-014 FIG-X3 HS GW 04-2024 D.DWG

HARDING STREET GENERATING STATION

P-4 662.02
P-5 663.15
P-6 662.05
MW-15S <664.66
P-2 655.48
M-6 <666.25
MW-1S 659.94
MW-2S 660.40
HA-PZ-1 NM
W HANNA AVE
LICK CREEK
S HARDING ST
WHITE RIVER
SG-2 NM
HA-PZ-2 NM
MW-16S 656.33
SG-3 NM
HA-PZ-3 654.25
MW-17S <656.66
SG-4 NM
HA-PZ-4 NM
MW-8S 654.73
PZ-1 <667.14
P2 PZ-1D 657.71
POND 1
P1 PZ-1D 660.23
P3 PZ-1D 658.70
POND 3
P2A/B PZ-2D 658.98
P2A/B PZ-1D 658.88
POND 2A
POND 2B
PZ-11 NM
PZ-4 NM
MW-10S 658.21
FORMER POND 2
V = 51 FT/YR
P2 PZ-3D 654.37
P2 PZ-2D NM
SG-5 NM
HA-PZ-5 654.78
MW-11S 653.81
MW-14D 652.95
M-4 653.54
MW-7S 654.66
MW-13S 656.23
MW-6S 657.86
PZ-8 <669.26
MW-3S <654.08
V = 2,510 FT/YR
V = 3,230 FT/YR
MW-5S <650.53
FORMER POND 4
MW-106S 636.95
MW-107S 648.18
PZ-100S 643.54
PZ-9 650.26
MW-12S <645.92
PZ-10 649.91
MW-9SR <642.23
MW-4S <653.0
MW-4SR <645.79
MW-9S NM
APPROXIMATE EDGE OF ALLUVIUM
HARDING STREET QUARRY
V = 1,430 FT/YR
MW-109S 641.08
MW-110S 625.86
660
655
650
645
640
635
630
625

LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- LIMITS OF ASH POND SYSTEM
- CCR MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- STAFF GAUGE LOCATION
- NATURE AND EXTENT MONITORING WELL
- 667.91 GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 660 GROUNDWATER ELEVATION CONTOUR IN FEET (INFERRED WHERE DASHED)

NOTES

1. AERIAL IMAGE FROM NEARMAP, DATED JULY 11, 2023.
2. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER ELEVATION CONTOURS DASHED WHERE INFERRED.
4. GROUNDWATER LEVELS SHOWN WERE RECORDED ON OCTOBER 30, 2024.
5. STAFF GAUGE LOCATIONS ARE DISPLAYED, BUT NOT USED FOR CONTOURING GROUNDWATER ELEVATIONS.
6. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (fT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
7. < = WELL WAS DRY, BOTTOM OF SCREEN ELEVATION SHOWN.

N

0 600 1200
SCALE IN FEET

HALEY ALDRICH

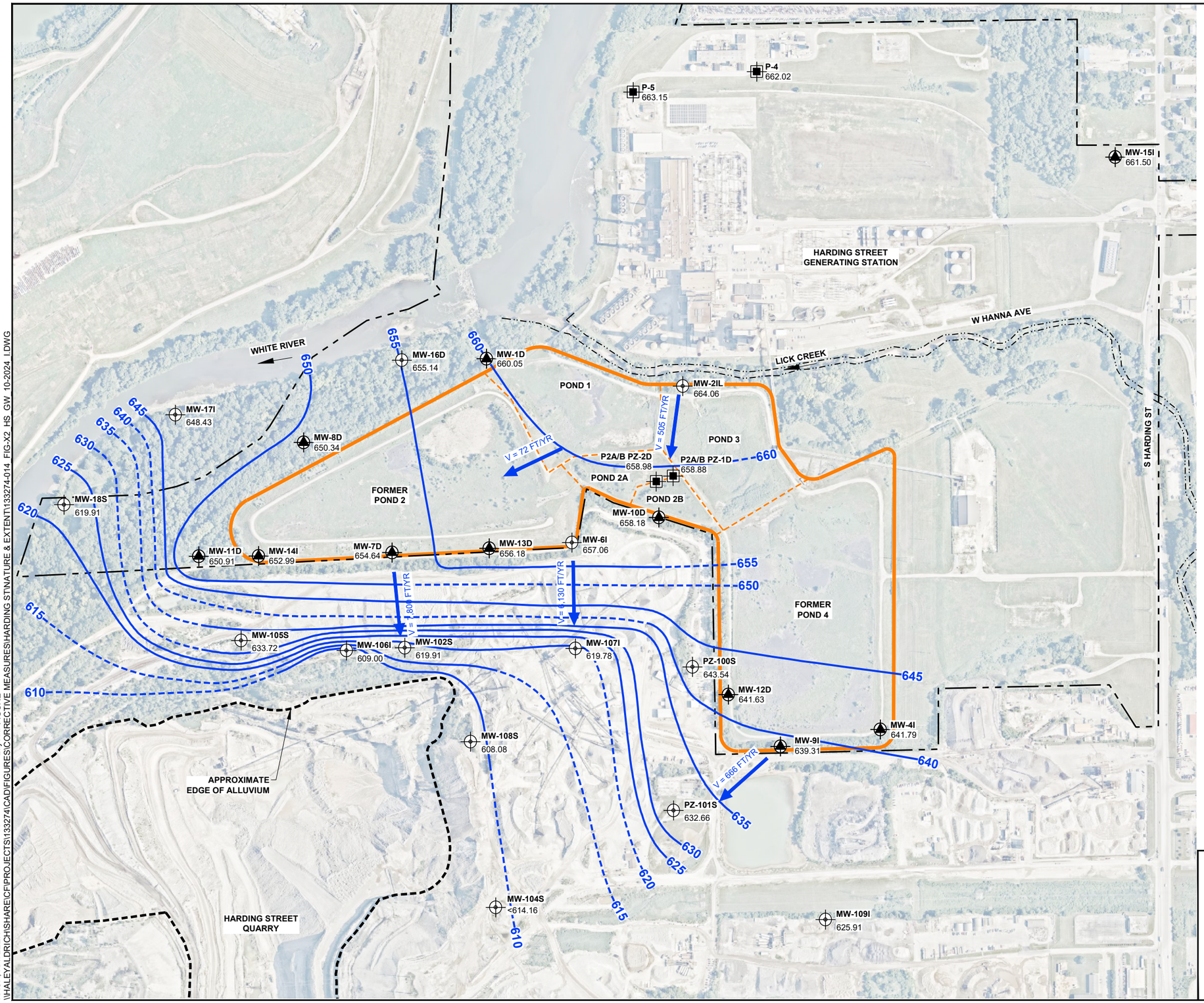
HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

GROUNDWATER FLOW MAP SHALLOW ZONE (OCTOBER 30, 2024)

SCALE: AS SHOWN
JANUARY 2025

FIGURE 6

Saved: 1/10/2025 12:53 PM
Layout: FIGURE
KAUR, RAVLEEN
\\HALEYALDRICH\SHARE\CF\PROJECTS\133274\CAD\FIGURES\CORRECTIVE MEASURES\HARDING ST\NATURE & EXTENT\133274-014_FIG-X1_HS_GW_10-2024_S.DWG



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- LIMITS OF ASH POND SYSTEM
- CCR MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- STAFF GAUGE LOCATION
- NATURE AND EXTENT MONITORING WELL
- 667.91 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 660 — GROUNDWATER ELEVATION CONTOUR IN FEET (INFERRED WHERE DASHED)

NOTES

1. AERIAL IMAGE FROM NEARMAP, DATED JULY 11, 2023.
2. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER ELEVATION CONTOURS DASHED WHERE INFERRED.
4. GROUNDWATER LEVELS SHOWN WERE RECORDED ON OCTOBER 30, 2024.
5. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (fT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
6. NM = NOT MEASURED
7. < = WELL WAS DRY, BOTTOM OF SCREEN ELEVATION SHOWN.

0 600 1200
SCALE IN FEET

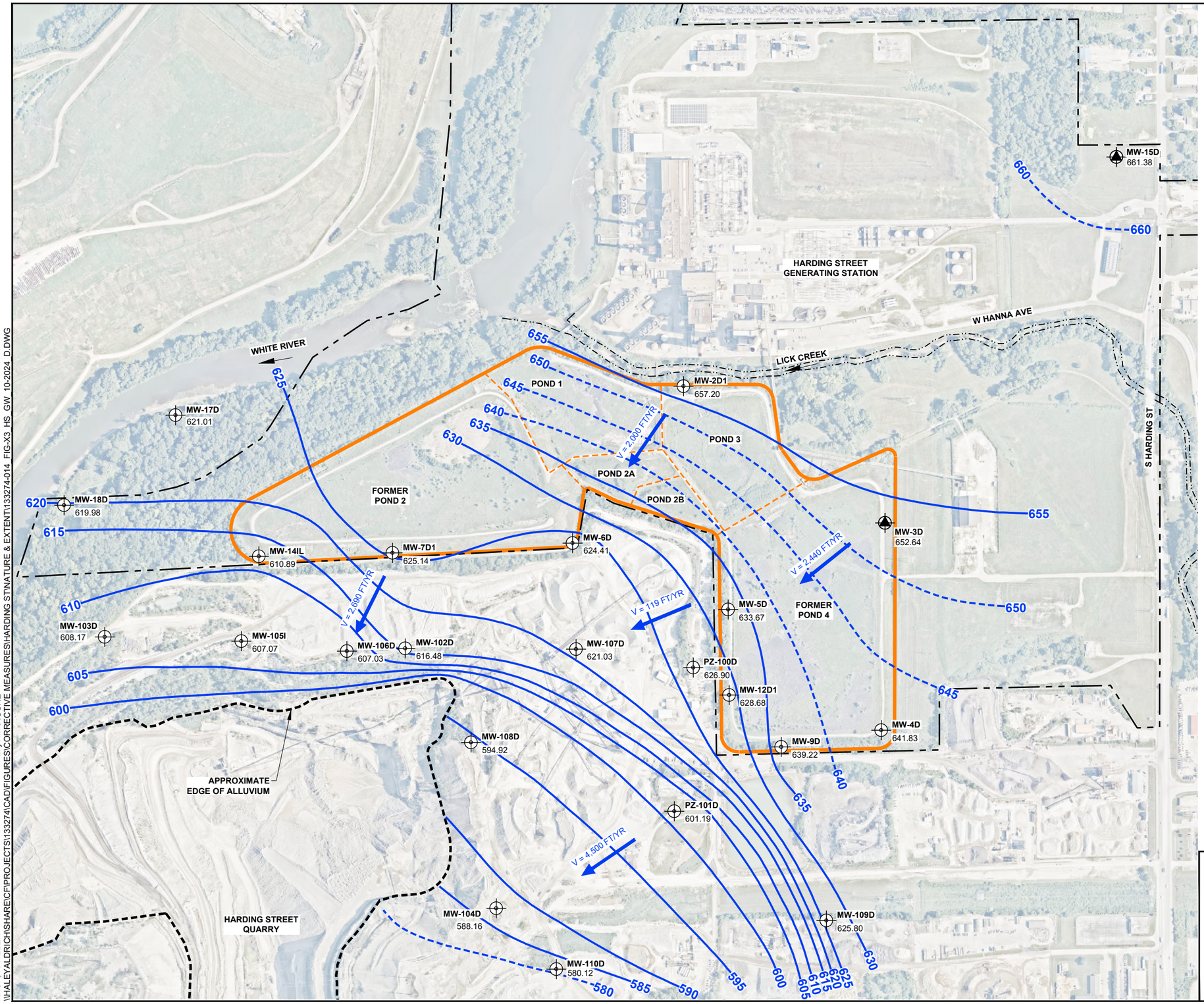
HALEY ALDRICH

HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

GROUNDWATER FLOW MAP INTERMEDIATE ZONE (OCTOBER 30, 2024)

SCALE: AS SHOWN
JANUARY 2025

FIGURE 7



LEGEND

- APPROXIMATE LIMITS OF PROPERTY
- LIMITS OF ASH POND SYSTEM
- CCR MONITORING WELL LOCATION
- STAFF GAUGE LOCATION
- NATURE AND EXTENT MONITORING WELL
- 667.91 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION
- 660 — GROUNDWATER ELEVATION CONTOUR IN FEET (INFERRED WHERE DASHED)

NOTES

1. AERIAL IMAGE FROM NEARMAP, DATED JULY 11, 2023.
2. ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER ELEVATION CONTOURS DASHED WHERE INFERRED.
4. GROUNDWATER LEVELS SHOWN WERE RECORDED ON OCTOBER 30, 2024.
5. $V = k(i)/n_e$
   WHERE:
   V = GROUNDWATER FLOW VELOCITY (fT/YEAR)
   k = HORIZONTAL HYDRAULIC CONDUCTIVITY (FT/DAY)
   i = HORIZONTAL GROUNDWATER GRADIENT (FT/FT)
   n_e = ASSUMED EFFECTIVE POROSITY
6. NM = NOT MEASURED
7. < = WELL WAS DRY, BOTTOM OF SCREEN ELEVATION SHOWN.

N

0 600 1200
SCALE IN FEET

HALEY ALDRICH

HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

GROUNDWATER FLOW MAP DEEP ZONE (OCTOBER 30, 2024)

SCALE: AS SHOWN
JANUARY 2025

FIGURE 8

KAUR, RAVLEEN Saved: 1/10/2025 1:03 PM Layout: FIGURE
W:\HALEYALDRICH\SHARE\CF\PROJECTS\133274\CAD\FIGURES\CORRECTIVE MEASURES\HARDING ST\NATURE & EXTENT\133274-014_FIG-X3_HS_GW_10-2024_D.DWG

Tables

Table 1
Well Sampling Summary
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Identification	Date Installed	Upgradient/Background, Downgradient, or Nature & Extent	Number of Samples	Sample Date	Detection or Assessment Monitoring Program
MW-1S	9/25/2015	Downgradient	2	5/6/2024 11/14/2024	Assessment
MW-1D	9/25/2015	Downgradient	2	5/6/2024 11/14/2024	Assessment
MW-2S	9/29/2015	Downgradient	2	5/9/2024 11/11/2024	Assessment
MW-2D	2/9/2016	Downgradient	2	5/9/2024 11/11/2024	Assessment
MW-2IL	1/4/2023	Downgradient	2	5/9/2024 11/11/2024	Assessment
MW-2D1	12/6/2022	Downgradient	2	5/9/2024 11/11/2024	Assessment
MW-3S	9/28/2015	Downgradient	1	5/7/2024	Assessment
MW-3D	2/10/2016	Downgradient	2	5/7/2024 11/8/2024	Assessment
MW-4SR	11/29/2022	Downgradient	0	NS	Assessment
MW-4I	11/4/2022	Downgradient	2	5/9/2024 11/1/2024	Assessment
MW-4D	11/3/2022	Downgradient	2	5/9/2024 11/1/2024	Assessment
MW-5S	10/1/2015	Downgradient	0	NS	Assessment
MW-5D	11/29/2022	Downgradient	2	5/3/2024 11/11/2024	Assessment
MW-6S	9/28/2015	Downgradient	2	5/10/2024 11/12/2024	Assessment
MW-6I	11/17/2022	Downgradient	2	5/10/2024 11/12/2024	Assessment
MW-6D	11/16/2022	Downgradient	2	5/10/2024 11/12/2024	Assessment
MW-7S	9/30/2015	Downgradient	2	5/8/2024 11/13/2024	Assessment
MW-7D	2/17/2016	Downgradient	2	5/8/2024 11/14/2024	Assessment
MW-7D1	11/15/2022	Downgradient	2	5/8/2024 11/14/2024	Assessment
MW-8S	10/1/2015	Downgradient	2	5/6/2024 11/19/2024	Assessment
MW-8D	11/15/2022	Downgradient	2	5/6/2024 11/18/2024	Assessment
MW-9SR	11/7/2022	Downgradient	0	NS	Assessment
MW-9I	2/24/2016	Downgradient	2	5/7/2024 11/1/2024	Assessment
MW-9D	2/11/2016	Downgradient	2	5/7/2024 11/1/2024	Assessment
MW-10S	2/16/2016	Downgradient	2	5/21/2024 11/12/2024	Assessment
MW-10D	2/16/2016	Downgradient	2	5/21/2024 11/11/2024	Assessment
MW-11S	2/17/2016	Downgradient	2	5/10/2024 11/19/2024	Assessment
MW-11D	2/18/2016	Downgradient	2	5/10/2024 11/15/2024	Assessment
MW-12S	2/19/2016	Downgradient	0	NS	Assessment

Table 1
Well Sampling Summary
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Identification	Date Installed	Upgradient/Background, Downgradient, or Nature & Extent	Number of Samples	Sample Date	Detection or Assessment Monitoring Program
MW-12D	2/18/2016	Downgradient	2	5/9/2024 11/12/2024	Assessment
MW-12D1	11/18/2022	Downgradient	2	5/9/2024 11/12/2024	Assessment
MW-13S	2/15/2016	Downgradient	2	5/3/2024 11/13/2024	Assessment
MW-13D	2/12/2016	Downgradient	2	5/3/2024 11/13/2024	Assessment
MW-14D	2/23/2016	Downgradient	2	5/8/2024 11/18/2024	Assessment
MW-14I	11/14/2022	Downgradient	2	5/8/2024 11/18/2024	Assessment
MW-14IL	11/15/2022	Downgradient	2	5/8/2024 11/15/2024	Assessment
MW-14D1	11/9/2022	Downgradient	2	5/8/2024 11/15/2024	Assessment
MW-15S	8/17/2018	Upgradient/Background	1	5/10/2024	Assessment
MW-15I	8/17/2018	Upgradient/Background	2	5/10/2024 11/15/2024	Assessment
MW-15D	8/17/2018	Upgradient/Background	2	5/10/2024 11/15/2024	Assessment
MW-16S	12/8/2022	Nature & Extent	2	5/1/2024 11/18/2024	Assessment
MW-16D	12/7/2022	Nature & Extent	2	5/1/2024 11/14/2024	Assessment
MW-17S	12/21/2022	Nature & Extent	0	NS	Assessment
MW-17I	12/13/2022	Nature & Extent	2	5/2/2024 11/19/2024	Assessment
MW-17IL	12/12/2022	Nature & Extent	2	5/2/2024 11/20/2024	Assessment
MW-17D	12/12/2022	Nature & Extent	2	5/2/2024 11/19/2024	Assessment
MW-18S	6/7/2023	Nature & Extent	3	2/15/2024 5/2/2024 11/20/2024	Assessment
MW-18I	6/7/2023	Nature & Extent	3	2/15/2024 5/1/2024 11/20/2024	Assessment
MW-18D	6/6/2023	Nature & Extent	3	2/14/2024 5/2/2024 11/20/2024	Assessment
M-4	12/18/1986	Nature & Extent	2	5/21/2024 11/19/2024	Assessment
PZ-100S	10/24/2019	Nature & Extent	2	5/15/2024 11/4/2024	Assessment
PZ-100D	10/23/2019	Nature & Extent	2	5/20/2024 11/4/2024	Assessment
PZ-101S	10/29/2019	Nature & Extent	2	5/15/2024 11/4/2024	Assessment
PZ-101D	10/25/2019	Nature & Extent	2	5/15/2024 11/4/2024	Assessment
MW-102S	4/15/2020	Nature & Extent	1	11/8/2024	Assessment

Table 1
Well Sampling Summary
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Identification	Date Installed	Upgradient/Background, Downgradient, or Nature & Extent	Number of Samples	Sample Date	Detection or Assessment Monitoring Program
MW-102D	4/15/2020	Nature & Extent	2	5/20/2024 11/8/2024	Assessment
MW-103S	4/8/2020	Nature & Extent	2	5/13/2024 11/7/2024	Assessment
MW-103I	4/8/2020	Nature & Extent	2	5/13/2024 11/7/2024	Assessment
MW-103D	4/8/2020	Nature & Extent	2	5/13/2024 11/7/2024	Assessment
MW-104S	4/17/2020	Nature & Extent	0	NS	Assessment
MW-104D	4/16/2020	Nature & Extent	1	5/17/2024	Assessment
MW-105S	7/12/2021	Nature & Extent	2	5/16/2024 11/6/2024	Assessment
MW-105I	7/9/2021	Nature & Extent	2	5/16/2024 11/7/2024	Assessment
MW-105D	7/8/2021	Nature & Extent	2	5/17/2024 11/6/2024	Assessment
MW-106S	7/7/2021	Nature & Extent	2	5/13/2024 11/6/2024	Assessment
MW-106I	7/2/2021	Nature & Extent	1	5/13/2024	Assessment
MW-106D	7/1/2021	Nature & Extent	2	5/13/2024 11/6/2024	Assessment
MW-107S	6/29/2021	Nature & Extent	2	5/16/2024 11/4/2024	Assessment
MW-107I	6/24/2021	Nature & Extent	2	5/16/2024 11/5/2024	Assessment
MW-107D	6/25/2021	Nature & Extent	2	5/16/2024 11/4/2024	Assessment
MW-108S	7/15/2021	Nature & Extent	2	5/20/2024 11/6/2024	Assessment
MW-108D	7/14/2021	Nature & Extent	2	5/21/2024 11/7/2024	Assessment
MW-109S	11/2/2022	Nature & Extent	0	NS	Assessment
MW-109I	11/2/2022	Nature & Extent	2	5/17/2024 11/5/2024	Assessment
MW-109D	11/1/2022	Nature & Extent	2	5/17/2024 11/5/2024	Assessment
MW-110S	11/2/2022	Nature & Extent	1	5/16/2024	Assessment
MW-110I	11/2/2022	Nature & Extent	0	NS	Assessment
MW-110D	11/1/2022	Nature & Extent	2	5/16/2024 11/7/2024	Assessment

Notes

NS = Not sampled during year.

MW-4SR, MW-5S, MW-9SR, MW-12S, MW-17S, MW-104S, MW-109S, and MW-110I were dry throughout 2024 and were not sampled.

MW-102S was dry in May 2024 and was not sampled.

MW-3S, MW-15S, MW-104D, MW-106I, and MW-110S were dry in November 2024 and were not sampled.

Table 2

Groundwater Elevation Data
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170AES0002

Monitoring Well/Piezometer Location	Gauging Date	TOC Elevation (ft-MSL)	Depth to Water (ft)	Water Elevation (ft-MSL)
MW-1S	4/30/2024	675.33	13.28	662.05
	10/30/2024		15.39	659.94
MW-1D	4/30/2024	675.17	13.03	662.14
	10/30/2024		15.12	660.05
MW-2S	4/30/2024	684.99	26.66	658.33
	10/30/2024		24.59	660.40
MW-2D	4/30/2024	685.20	26.89	658.31
	10/30/2024		31.64	653.56
MW-2IL	4/30/2024	688.86	26.56	662.30
	10/30/2024		24.80	664.06
MW-2D1	4/30/2024	688.84	26.07	662.77
	10/30/2024		31.64	657.20
MW-3S	4/30/2024	688.98	Dry to pump (26.97)	<662.01
	10/30/2024		Dry to TD (34.90)	<654.08
MW-3D	4/30/2024	688.82	30.65	658.17
	10/30/2024		36.18	652.64
MW-4SR	4/30/2024	688.29	Dry to TD (42.53)	<645.76
	10/30/2024		Dry to TD (42.50)	<645.79
MW-4I	4/30/2024	688.64	43.04	645.60
	10/30/2024		46.85	641.79
MW-4D	4/30/2024	688.58	42.95	645.63
	10/30/2024		46.75	641.83
MW-5S	4/30/2024	689.43	34.06	655.37
	10/30/2024		Dry to TD (38.9)	<650.53
MW-5D	4/30/2024	687.69	42.36	645.33
	10/30/2024		54.02	633.67
MW-6S	4/30/2024	695.67	35.06	660.61
	10/30/2024		37.81	657.86
MW-6I	4/30/2024	694.56	34.62	659.94
	10/30/2024		37.50	657.06
MW-6D	4/30/2024	694.45	67.43	627.02
	10/30/2024		70.04	624.41
MW-7S	4/30/2024	696.76	39.18	657.58
	10/30/2024		42.10	654.66
MW-7D	4/30/2024	696.29	38.78	657.51
	10/30/2024		41.65	654.64
MW-7D1	4/30/2024	695.04	68.11	626.93
	10/30/2024		69.90	625.14
MW-8S	4/30/2024	672.78	14.99	657.79
	10/30/2024		18.05	654.73
MW-8D	4/30/2024	670.82	18.18	652.64
	10/30/2024		20.48	650.34
MW-9SR	4/30/2024	688.03	45.70	642.33
	10/30/2024		Dry to TD (45.8)	<642.23

Table 2

Groundwater Elevation Data
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170AES0002

Monitoring Well/Piezometer Location	Gauging Date	TOC Elevation (ft-MSL)	Depth to Water (ft)	Water Elevation (ft-MSL)
MW-9I	4/30/2024	689.11	46.22	642.89
	10/30/2024		49.80	639.31
MW-9D	4/30/2024	689.27	45.31	643.96
	10/30/2024		50.05	639.22
MW-10S	4/30/2024	691.10	29.40	661.70
	10/30/2024		32.89	658.21
MW-10D	4/30/2024	691.28	29.61	661.67
	10/30/2024		33.10	658.18
MW-11S	4/30/2024	685.93	28.81	657.12
	10/30/2024		32.12	653.81
MW-11D	4/30/2024	685.94	28.56	657.38
	10/30/2024		35.03	650.91
MW-12S	4/30/2024	688.82	Dry to TD (45.12)	<643.70
	10/30/2024		Dry to TD (42.90)	<645.92
MW-12D	4/30/2024	688.73	44.53	644.20
	10/30/2024		47.10	641.63
MW-12D1	4/30/2024	688.07	57.12	630.95
	10/30/2024		59.39	628.68
MW-13S	4/30/2024	696.08	37.26	658.82
	10/30/2024		39.85	656.23
MW-13D	4/30/2024	696.78	37.95	658.83
	10/30/2024		40.60	656.18
MW-14D	4/30/2024	697.88	40.35	657.53
	10/30/2024		44.93	652.95
MW-14I	4/30/2024	697.74	47.44	650.30
	10/30/2024		44.75	652.99
MW-14IL	4/30/2024	697.94	83.41	614.53
	10/30/2024		87.05	610.89
MW-14D1	4/30/2024	698.07	88.83	609.24
	10/30/2024		87.73	610.34
MW-15S	4/30/2024	685.46	19.13	666.33
	10/30/2024		Dry to pump (20.80)	<664.66
MW-15I	4/30/2024	685.59	19.22	666.37
	10/30/2024		24.09	661.50
MW-15D	4/30/2024	685.20	18.95	666.25
	10/30/2024		23.82	661.38
MW-16S	4/30/2024	672.15	13.95	658.20
	10/30/2024		15.82	656.33
MW-16D	4/30/2024	672.27	15.05	657.22
	10/30/2024		17.13	655.14
MW-17S	4/30/2024	670.81	Dry to pump (14.15)	<656.66
	10/30/2024		Dry to pump (14.15)	<656.66
MW-17I	4/30/2024	670.84	19.89	650.95
	10/30/2024		22.41	648.43

Table 2

Groundwater Elevation Data
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170AES0002

Monitoring Well/Piezometer Location	Gauging Date	TOC Elevation (ft-MSL)	Depth to Water (ft)	Water Elevation (ft-MSL)
MW-17IL	4/30/2024	670.66	42.06	628.60
	10/30/2024		48.63	622.03
MW-17D	4/30/2024	670.68	42.99	627.69
	10/30/2024		49.67	621.01
MW-18S	2/15/2024	669.61	49.47	620.14
	4/30/2024		42.48	627.13
	10/30/2024		49.70	619.91
MW-18I	2/15/2024	669.48	49.30	620.18
	4/30/2024		42.15	627.33
	10/30/2024		49.56	619.92
MW-18D	2/14/2024	669.32	49.05	620.27
	4/30/2024		41.93	627.39
	10/30/2024		49.34	619.98
M-4	4/30/2024	693.25	36.17	657.08
	10/30/2024		39.71	653.54
PZ-100S	4/30/2024	681.79	35.82	645.97
	10/30/2024		38.25	643.54
PZ-100D	4/30/2024	681.84	52.88	628.96
	10/30/2024		54.94	626.90
PZ-101S	4/30/2024	689.36	55.36	634.00
	10/30/2024		56.70	632.66
PZ-101D	4/30/2024	689.40	Dry to pump (88.21)	<601.19
	10/30/2024		88.21	601.19
MW-102S	4/30/2024	677.10	57.49	619.61
	10/30/2024		57.19	619.91
MW-102D	4/30/2024	677.48	60.02	617.46
	10/30/2024		61.00	616.48
MW-103S	4/30/2024	701.27	35.29	665.98
	10/30/2024		35.52	665.75
MW-103I	4/30/2024	701.26	84.82	616.44
	10/30/2024		90.45	610.81
MW-103D	4/30/2024	701.54	88.12	613.42
	10/30/2024		93.37	608.17
MW-104S	4/30/2024	676.60	Dry to pump (54.48)	<622.12
	10/30/2024		Dry to TD (62.44)	<614.16
MW-104D	4/30/2024	677.01	Dry to pump (88.69)	<588.32
	10/30/2024		88.85	588.16
MW-105S	4/30/2024	661.47	25.17	636.30
	10/30/2024		27.75	633.72
MW-105I	4/30/2024	661.37	51.63	609.74
	10/30/2024		54.30	607.07
MW-105D	4/30/2024	661.04	46.75	614.29
	10/30/2024		47.10	613.94

Table 2
Groundwater Elevation Data
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170AES0002

Monitoring Well/Piezometer Location	Gauging Date	TOC Elevation (ft-MSL)	Depth to Water (ft)	Water Elevation (ft-MSL)
MW-106S	4/30/2024	671.05	33.21	637.84
	10/30/2024		34.10	636.95
MW-106I	4/30/2024	671.05	60.49	610.56
	10/30/2024		62.05	609.00
MW-106D	4/30/2024	671.00	61.77	609.23
	10/30/2024		63.97	607.03
MW-107S	4/30/2024	658.23	8.07	650.16
	10/30/2024		10.05	648.18
MW-107I	4/30/2024	658.47	36.42	622.05
	10/30/2024		38.69	619.78
MW-107D	4/30/2024	658.55	35.81	622.74
	10/30/2024		37.52	621.03
MW-108S	4/30/2024	642.22	Dry to pump (33.3)	<608.92
	10/30/2024		34.14	608.08
MW-108D	4/30/2024	642.03	Dry to pump (46.9)	<595.13
	10/30/2024		47.11	594.92
MW-109S	4/30/2024	679.13	38.03	641.10
	10/30/2024		38.05	641.08
MW-109I	4/30/2024	679.11	51.34	627.77
	10/30/2024		53.20	625.91
MW-109D	4/30/2024	679.03	51.37	627.66
	10/30/2024		53.23	625.80
MW-110S	4/30/2024	679.96	53.32	626.64
	10/30/2024		54.10	625.86
MW-110I	4/30/2024	679.79	Dry to TD (76.87)	<602.92
	10/30/2024		Dry to TD (76.87)	<602.92
MW-110D	4/30/2024	679.60	99.67	579.93
	10/30/2024		99.48	580.12

Notes:
TOC = Top of Casing
TD = Total Depth
ft-MSL = feet above Mean Sea Level
ft-bgs = feet below ground surface
NA = Not Available

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-1S	MW-1D	MW-2S	MW-2D	MW-2IL
Sample Date		11/22/2023	11/22/2023	11/27/2023	11/27/2023	11/10/2023
Pace Lab ID		50360344002	50360344001	50360416001	50360416002	50359448001
Static Water Elevation		660.13	660.23	661.55	661.52	659.12
Field Parameters						
Temperature, Field	Degrees C	34.89	32.57	17.06	17.92	17.32
Dissolved Oxygen, Field	mg/L	0.00	1.74	0.40	1.13	0.09
Conductivity, Field	uS/cm	1642.60	1258.25	3713.92	4362.00	479.25
ORP, Field	mV	-292.60	-253.64	-83.47	-39.91	-112.22
pH, Field	S.U.	4.98	4.69	7.37	7.18	6.86
Turbidity, Field	NTU	2.25	#SPILL!	9.54	4.47	88.56
Appendix III Constituents						
Boron, Total	ug/L	292	168	1030	1080	136
Calcium, Total	ug/L	96600	82800	328000	394000	70700
Chloride	mg/L	209	146	989	1220	5
Fluoride	mg/L	0.32	0.42	0.23	0.68	0.51
Sulfate	mg/L	132	87	1210	1540	<0.25
Total Dissolved Solids	mg/L	752	559	3250	4240	329
pH at 25 Degrees C	Degrees C	7.30	7.50	6.80	6.60	7.50
Appendix IV Constituents						
Antimony, Total	ug/L	<1	<1	<1	<1	<1
Arsenic, Total	ug/L	5.9	4.4	12.7	6.5	12.9
Barium, Total	ug/L	76.1	76.1	121.0	51.2	593.0
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	1.10	1.20	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	<20	<20	32.30	45.20	<20
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	20	19	27.5	68.1	22.8
Molybdenum, Dissolved	ug/L	19	19	27.9	68.9	22.6
Radium-226	pCi/L	1.00	0.42	1.34	0.53	0.97
Radium-228	pCi/L	0.64	1.04	1.13	0.99	0.50
Selenium, Total	ug/L	<1	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	1.63	1.46	2.47	1.53	1.46
Geochemical Constituents						
Alkalinity, Total as CaCO3	mg/L	263	248	266	253	339
Alkalinity,Bicarbonate (CaCO3)	mg/L	263	248	266	253	339
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10	<10
Aluminum, Total	ug/L	<200	<200	<200	<200	<200
Dissolved Organic Carbon	mg/L	3.6	3.5	6.4	7.0	5.8
Iron, Total	ug/L	2410	1600	4830	4760	3130
Iron, Ferrous	mg/L	0.3	<0.2	1.0	2.7	0.2
Iron, Dissolved	ug/L	1390	1190	4750	4690	2680
Magnesium, Total	ug/L	28900	22700	93800	107000	28600
Manganese, Total	ug/L	217	150	1150	1100	105
Manganese, Dissolved	ug/L	215	163	1160	1110	99
Nitrogen, Nitrate	mg/L	<0.1	<0.1	0	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	1.90	0.53	0.97	0.17	0.47
Potassium, Total	ug/L	7230	5370	18500	19800	1850
Silica, Total	ug/L	12100	13400	13300	16400	23300
Sodium, Total	ug/L	149000	102000	769000	891000	19600
Sulfide	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	<4	<4	6.2	7.5	2.9

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-2D1	MW-3S	MW-3D	MW-4SR
Sample Date		11/22/2023	NS	11/27/2023	NS
Pace Lab ID		50360344003		50360416003	
Static Water Elevation		659.46	<661.98	655.13	645.82
Field Parameters					
Temperature, Field	Degrees C	14.96		9.97	
Dissolved Oxygen, Field	mg/L	0.17		10.80	
Conductivity, Field	uS/cm	566.73		3.57	
ORP, Field	mV	-126.26		360.37	
pH, Field	S.U.	7.38		6.67	
Turbidity, Field	NTU	0.25		0.00	
Appendix III Constituents					
Boron, Total	ug/L	362		794	
Calcium, Total	ug/L	167000		129000	
Chloride	mg/L	66		122	
Fluoride	mg/L	0.47		0.16	
Sulfate	mg/L	208		185	
Total Dissolved Solids	mg/L	568		680	
pH at 25 Degrees C	Degrees C	7.40		6.70	
Appendix IV Constituents					
Antimony, Total	ug/L	<1		<1	
Arsenic, Total	ug/L	13.7		3.3	
Barium, Total	ug/L	462.0		106.0	
Beryllium, Total	ug/L	<0.2		<0.2	
Cadmium, Total	ug/L	#N/A		#N/A	
Chromium, Total	ug/L	#N/A		#N/A	
Cobalt, Total	ug/L	<1		<1	
Lead, Total	ug/L	#N/A		#N/A	
Lithium, Total	ug/L	<20		<20	
Mercury	ug/L	#N/A		#N/A	
Molybdenum, Total	ug/L	<10	DRY	<10	DRY
Molybdenum, Dissolved	ug/L	<10		<10	
Radium-226	pCi/L	5.18		0.69	
Radium-228	pCi/L	1.08		0.47	
Selenium, Total	ug/L	<1		<1	
Thallium, Total	ug/L	#N/A		#N/A	
Total Radium	pCi/L	6.26		1.17	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	410		263	
Alkalinity,Bicarbonate (CaCO3)	mg/L	410		263	
Alkalinity,Carbonate (CaCO3)	mg/L	<10		<10	
Aluminum, Total	ug/L	<200		<200	
Dissolved Organic Carbon	mg/L	6.1		2.3	
Iron, Total	ug/L	5760		1950	
Iron, Ferrous	mg/L	<0.2		1.7	
Iron, Dissolved	ug/L	5640		1950	
Magnesium, Total	ug/L	54500		30100	
Manganese, Total	ug/L	165		290	
Manganese, Dissolved	ug/L	162		296	
Nitrogen, Nitrate	mg/L	<0.1		<0.1	
Nitrogen, Nitrite	mg/L	<0.1		<0.1	
Phosphate as P04	mg/L	1.40		<0.15	
Potassium, Total	ug/L	3200		3630	
Silica, Total	ug/L	18100		11200	
Sodium, Total	ug/L	31800		83500	
Sulfide	mg/L	<0.1		<0.1	
Total Organic Carbon	mg/L	3.9		2.5	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-4I	MW-4D	MW-5S	MW-5D
Sample Date		11/1/2023	11/1/2023	NS	11/9/2023
Pace Lab ID		50358203001	50358203002		50359251001
Static Water Elevation		644.20	644.53	Dry	636.77
Field Parameters					
Temperature, Field	Degrees C	13.44	13.81		15.95
Dissolved Oxygen, Field	mg/L	1.21	0.14		5.55
Conductivity, Field	uS/cm	747.25	750.28		1347.83
ORP, Field	mV	-71.64	-112.31		-119.78
pH, Field	S.U.	7.52	7.68		7.65
Turbidity, Field	NTU	0.00	0.00		1.69
Appendix III Constituents					
Boron, Total	ug/L	595	216		3790
Calcium, Total	ug/L	90600	84400		185000
Chloride	mg/L	105	106		244
Fluoride	mg/L	0.11	0.16		0.64
Sulfate	mg/L	44	45		409
Total Dissolved Solids	mg/L	501	503		1240
pH at 25 Degrees C	Degrees C	7.80	7.70		7.20
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1		<1
Arsenic, Total	ug/L	2.3	2.1		48.2
Barium, Total	ug/L	68.1	78.6		35.5
Beryllium, Total	ug/L	<0.2	<0.2		<0.2
Cadmium, Total	ug/L	#N/A	#N/A		#N/A
Chromium, Total	ug/L	#N/A	#N/A		#N/A
Cobalt, Total	ug/L	<1	<1		<1
Lead, Total	ug/L	#N/A	#N/A		#N/A
Lithium, Total	ug/L	<20	<20		67.70
Mercury	ug/L	#N/A	#N/A		#N/A
Molybdenum, Total	ug/L	<10	<10	DRY	151.0
Molybdenum, Dissolved	ug/L	<10	<10		158.0
Radium-226	pCi/L	0.53	<0.0837		<0
Radium-228	pCi/L	0.45	0.73		0.60
Selenium, Total	ug/L	<1	<1		<1
Thallium, Total	ug/L	#N/A	#N/A		#N/A
Total Radium	pCi/L	0.98	<0.812		0.598
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	258	253		323
Alkalinity,Bicarbonate (CaCO3)	mg/L	258	253		323
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10		<10
Aluminum, Total	ug/L	<200	<200		<200
Dissolved Organic Carbon	mg/L	<1	1.0		3.2
Iron, Total	ug/L	1280	1840		2580
Iron, Ferrous	mg/L	<0.2	<0.2		2.0
Iron, Dissolved	ug/L	1120	1790		1970
Magnesium, Total	ug/L	21200	21700		52800
Manganese, Total	ug/L	157	108		301
Manganese, Dissolved	ug/L	161	111		296
Nitrogen, Nitrate	mg/L	<0.1	<0.1		2
Nitrogen, Nitrite	mg/L	<0.1	<0.1		<0.1
Phosphate as P04	mg/L	<0.15	<0.15		<0.15
Potassium, Total	ug/L	2390	2950		8710
Silica, Total	ug/L	12000	13600		12800
Sodium, Total	ug/L	65400	69800		133000
Sulfide	mg/L	<0.1	<0.1		<0.1
Total Organic Carbon	mg/L	1.9	2.0		2.5

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-6S	MW-6I	MW-6D	MW-7S
Sample Date		11/7/2023	11/7/2023	11/7/2023	11/9/2023
Pace Lab ID		50359017001	50358828001	50359017002	50359251005
Static Water Elevation		Dry to pump	657.60	627.51	654.92
Field Parameters					
Temperature, Field	Degrees C	15.85	17.03	17.38	16.01
Dissolved Oxygen, Field	mg/L	0.01	0.07	0.38	0.08
Conductivity, Field	uS/cm	1680.06	1931.93	1777.99	1653.63
ORP, Field	mV	-82.96	-128.58	-119.52	-103.00
pH, Field	S.U.	6.94	7.78	7.37	6.95
Turbidity, Field	NTU	2.81	12.55	8.26	2.18
Appendix III Constituents					
Boron, Total	ug/L	6430	2250	10800	12500
Calcium, Total	ug/L	259000	206000	283000	227000
Chloride	mg/L	333	326	245	215
Fluoride	mg/L	1.20	0.42	0.10	0.58
Sulfate	mg/L	508	495	745	497
Total Dissolved Solids	mg/L	1810	1610	1680	1430
pH at 25 Degrees C	Degrees C	6.90	7.10	7.30	7.40
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	17.0	8.8	<1	379.0
Barium, Total	ug/L	107.0	32.0	38.5	39.1
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	2.30	<1	<1	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	56.90	66.70	71.00	73.50
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	215.0	152.0	314.0	457
Molybdenum, Dissolved	ug/L	230.0	149.0	316.0	463
Radium-226	pCi/L	0.36	<0.262	0.41	0.58
Radium-228	pCi/L	0.50	0.58	1.21	0.69
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	0.862	0.84	1.62	1.26
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	420	294	192	258
Alkalinity,Bicarbonate (CaCO3)	mg/L	420	294	192	258
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	<200	384	230	<200
Dissolved Organic Carbon	mg/L	2.9	4.5	2.1	4.1
Iron, Total	ug/L	10900	4640	5920	2940
Iron, Ferrous	mg/L	1.3	0.9	<0.2	<0.2
Iron, Dissolved	ug/L	9670	3840	5800	3010
Magnesium, Total	ug/L	63500	80500	48400	46000
Manganese, Total	ug/L	2180	473	589	409
Manganese, Dissolved	ug/L	2070	451	587	402
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	0.90	<0.15	0.23	0.80
Potassium, Total	ug/L	10700	13100	11000	14300
Silica, Total	ug/L	13700	15100	18500	14100
Sodium, Total	ug/L	268000	231000	174000	154000
Sulfide	mg/L	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	<4	<4	<4	<4

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-7D	MW-7D1	MW-8S	MW-8D
Sample Date		11/9/2023	11/9/2023	11/10/2023	11/10/2023
Pace Lab ID		50359251006	50359251007	50359448002	50359448003
Static Water Elevation		654.88	625.59	654.88	650.59
Field Parameters					
Temperature, Field	Degrees C	16.50	16.18	15.20	15.10
Dissolved Oxygen, Field	mg/L	0.17	0.23	0.12	0.03
Conductivity, Field	uS/cm	1580.08	1539.03	1332.68	698.03
ORP, Field	mV	-106.24	-146.62	106.33	-117.31
pH, Field	S.U.	7.00	7.17	6.58	6.96
Turbidity, Field	NTU	1.58	2.33	0.00	2.69
Appendix III Constituents					
Boron, Total	ug/L	13700	14400	11200	680
Calcium, Total	ug/L	226000	230000	216000	93600
Chloride	mg/L	217	193	156	99
Fluoride	mg/L	0.48	0.26	0.10	0.28
Sulfate	mg/L	547	527	520	119
Total Dissolved Solids	mg/L	1450	1450	610	1510
pH at 25 Degrees C	Degrees C	7.40	7.50	7.40	7.30
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	438.0	417.0	<1	3.6
Barium, Total	ug/L	39.5	71.8	34.4	220.0
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	80.80	109.00	137.00	<20
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	469.0	532.0	253.0	57.7
Molybdenum, Dissolved	ug/L	468.0	532.0	241.0	56.2
Radium-226	pCi/L	<0.288	0.86	<-0.195	1.10
Radium-228	pCi/L	1.44	<0.425	0.36	0.69
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	1.73	1.29	<0.361	1.79
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	247	226	416	267
Alkalinity,Bicarbonate (CaCO3)	mg/L	247	226	416	267
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	<200	<200	<200	<200
Dissolved Organic Carbon	mg/L	3.2	4.6	2.9	3.6
Iron, Total	ug/L	2310	2590	<100	2690
Iron, Ferrous	mg/L	<0.2	1.8	<0.2	<0.2
Iron, Dissolved	ug/L	2270	2560	<100	2300
Magnesium, Total	ug/L	43100	43200	86500	27600
Manganese, Total	ug/L	547	357	333	497
Manganese, Dissolved	ug/L	468	343	319	483
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	0.91	1.70	<0.15	0.59
Potassium, Total	ug/L	14500	15200	21700	4580
Silica, Total	ug/L	13400	10800	16000	10500
Sodium, Total	ug/L	142000	157000	129000	86900
Sulfide	mg/L	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	1.9	2.6	2.0	2.1

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-9SR	MW-9I	MW-9D	MW-10S
Sample Date		NS	11/3/2023	11/3/2023	11/8/2023
Pace Lab ID			50358466001	50358466002	50359090003
Static Water Elevation		642.29	642.46	642.43	Dry to pump
Field Parameters					
Temperature, Field	Degrees C		12.42	12.54	16.13
Dissolved Oxygen, Field	mg/L		0.24	0.20	0.02
Conductivity, Field	uS/cm		926.31	987.94	1478.84
ORP, Field	mV		-36.76	-69.50	-79.27
pH, Field	S.U.		6.81	6.85	6.92
Turbidity, Field	NTU		2.52	0.00	14.37
Appendix III Constituents					
Boron, Total	ug/L		1760	1390	2620
Calcium, Total	ug/L		126000	136000	125000
Chloride	mg/L		109	161	219
Fluoride	mg/L		0.61	0.57	3.10
Sulfate	mg/L		162	170	363
Total Dissolved Solids	mg/L		690	816	1200
pH at 25 Degrees C	Degrees C		7.00	7.10	7.80
Appendix IV Constituents					
Antimony, Total	ug/L		<1	<1	<1
Arsenic, Total	ug/L		52.7	53.2	320.0
Barium, Total	ug/L		81.5	62.8	53.7
Beryllium, Total	ug/L		<0.2	<0.2	<0.2
Cadmium, Total	ug/L		#N/A	#N/A	#N/A
Chromium, Total	ug/L		#N/A	#N/A	#N/A
Cobalt, Total	ug/L		<1	<1	<1
Lead, Total	ug/L		#N/A	#N/A	#N/A
Lithium, Total	ug/L		25.30	24.90	33.40
Mercury	ug/L		#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	DRY	89.6	74.4	162.0
Molybdenum, Dissolved	ug/L		87.6	75.5	164.0
Radium-226	pCi/L		0.43	0.97	0.61
Radium-228	pCi/L		0.72	<0.169	0.50
Selenium, Total	ug/L		<1	<1	<1
Thallium, Total	ug/L		#N/A	#N/A	#N/A
Total Radium	pCi/L		1.14	1.14	1.110
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L		253	256	312
Alkalinity,Bicarbonate (CaCO3)	mg/L		245	248	312
Alkalinity,Carbonate (CaCO3)	mg/L		<10	<10	<10
Aluminum, Total	ug/L		<200	<200	<200
Dissolved Organic Carbon	mg/L		2.7	2.0	3.4
Iron, Total	ug/L		1150	1820	886
Iron, Ferrous	mg/L		<0.2	<0.2	0.6
Iron, Dissolved	ug/L		1130	1840	841
Magnesium, Total	ug/L		30500	35100	24700
Manganese, Total	ug/L		231	258	274
Manganese, Dissolved	ug/L		225	262	286
Nitrogen, Nitrate	mg/L		<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L		<0.1	<0.1	<0.1
Phosphate as P04	mg/L		<0.15	<0.15	0.97
Potassium, Total	ug/L		5210	5840	6790
Silica, Total	ug/L		12200	12300	16300
Sodium, Total	ug/L		70200	85900	266000
Sulfide	mg/L		<0.1	<0.1	<0.1
Total Organic Carbon	mg/L		1.1	1.2	2.2

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-10D	MW-11S	MW-11D	MW-12S
Sample Date		11/8/2023	11/8/2023	11/8/2023	NS
Pace Lab ID		50359090004	50359090001	50359090002	
Static Water Elevation		658.98	650.87	652.97	<653.52
Field Parameters					
Temperature, Field	Degrees C	15.99	18.39	14.81	
Dissolved Oxygen, Field	mg/L	0.16	0.55	0.17	
Conductivity, Field	uS/cm	1154.91	514.08	1105.80	
ORP, Field	mV	-87.88	-99.56	-114.01	
pH, Field	S.U.	6.83	7.87	7.30	
Turbidity, Field	NTU	1.52	220.88	39.62	
Appendix III Constituents					
Boron, Total	ug/L	2020	903	10500	
Calcium, Total	ug/L	193000	66800	194000	
Chloride	mg/L	343	30	74	
Fluoride	mg/L	1.90	1.50	0.34	
Sulfate	mg/L	485	105	519	
Total Dissolved Solids	mg/L	1750	449	1160	
pH at 25 Degrees C	Degrees C	7.40	7.90	7.40	
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	
Arsenic, Total	ug/L	89.1	5.0	15.0	
Barium, Total	ug/L	30.7	123.0	23.8	
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	
Chromium, Total	ug/L	#N/A	#N/A	#N/A	
Cobalt, Total	ug/L	<1	2.00	<1	
Lead, Total	ug/L	#N/A	#N/A	#N/A	
Lithium, Total	ug/L	49.70	<20	137.00	
Mercury	ug/L	#N/A	#N/A	#N/A	
Molybdenum, Total	ug/L	68.8	72.2	<10	DRY
Molybdenum, Dissolved	ug/L	67.6	74.3	<10	
Radium-226	pCi/L	0.85	0.65	0.41	
Radium-228	pCi/L	0.72	<0.189	0.73	
Selenium, Total	ug/L	<1	<1	<1	
Thallium, Total	ug/L	#N/A	#N/A	#N/A	
Total Radium	pCi/L	1.57	0.84	1.130	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	314	221	256	
Alkalinity,Bicarbonate (CaCO3)	mg/L	314	221	256	
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	
Aluminum, Total	ug/L	<200	4520	<200	
Dissolved Organic Carbon	mg/L	2.5	2.1	2.6	
Iron, Total	ug/L	2010	5210	5070	
Iron, Ferrous	mg/L	1.4	<0.2	5.2	
Iron, Dissolved	ug/L	1980	<100	5180	
Magnesium, Total	ug/L	69200	35500	46600	
Manganese, Total	ug/L	188	93	35	
Manganese, Dissolved	ug/L	189	17	37	
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	
Phosphate as P04	mg/L	0.17	<0.15	0.20	
Potassium, Total	ug/L	9170	3320	2980	
Silica, Total	ug/L	15700	31000	17200	
Sodium, Total	ug/L	245000	21700	83800	
Sulfide	mg/L	<0.1	<0.1	<0.1	
Total Organic Carbon	mg/L	<4	<2	<1	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-12D	MW-12D1	MW-13S	MW-13D
Sample Date		11/7/2023	11/7/2023	11/9/2023	11/9/2023
Pace Lab ID		50358828002	50358828003	50359251003	50359251004
Static Water Elevation		643.90	631.07	656.55	656.52
Field Parameters					
Temperature, Field	Degrees C	16.04	16.29	16.53	16.31
Dissolved Oxygen, Field	mg/L	0.15	2.81	0.21	0.18
Conductivity, Field	uS/cm	1398.47	1496.60	1847.02	1707.41
ORP, Field	mV	-89.71	-139.27	-83.14	-109.36
pH, Field	S.U.	6.73	6.89	6.85	7.04
Turbidity, Field	NTU	3.28	2.11	0.38	0.00
Appendix III Constituents					
Boron, Total	ug/L	2690	5020	8690	11600
Calcium, Total	ug/L	203000	207000	204000	208000
Chloride	mg/L	234	240	315	256
Fluoride	mg/L	1.50	1.20	0.80	0.61
Sulfate	mg/L	416	476	464	436
Total Dissolved Solids	mg/L	1310	1270	1520	1400
pH at 25 Degrees C	Degrees C	7.50	7.00	7.30	7.40
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	288.0	277.0	288.0	228.0
Barium, Total	ug/L	35.5	64.9	57.2	28.7
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	50.00	81.80	57.10	66.80
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	113.0	133	350	338
Molybdenum, Dissolved	ug/L	109.0	132	365	347
Radium-226	pCi/L	0.47	0.60	<0	<0.198
Radium-228	pCi/L	0.40	0.80	0.89	1.51
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	0.868	1.39	0.89	1.71
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	360	302	300	242
Alkalinity,Bicarbonate (CaCO3)	mg/L	360	302	300	242
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	<200	<200	<200	<200
Dissolved Organic Carbon	mg/L	2.8	11.8	6.8	2.8
Iron, Total	ug/L	3240	3170	1770	1950
Iron, Ferrous	mg/L	<0.2	1.3	1.4	<0.2
Iron, Dissolved	ug/L	3010	3010	1360	2000
Magnesium, Total	ug/L	52200	56700	52200	43700
Manganese, Total	ug/L	334	427	482	181
Manganese, Dissolved	ug/L	317	422	401	177
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	0.34	0.41	0.45	0.33
Potassium, Total	ug/L	9610	11300	12600	14700
Silica, Total	ug/L	16200	13300	14800	14000
Sodium, Total	ug/L	189000	136000	197000	167000
Sulfide	mg/L	<0.1	0.38	<0.1	<0.1
Total Organic Carbon	mg/L	<4	8.8	<4	<4

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-14D	MW-14I	MW-14IL	MW-14D1
Sample Date		11/6/2023	11/6/2023	11/6/2023	11/6/2023
Pace Lab ID		50358774001	50358774003	50358774004	50358774002
Static Water Elevation		654.28	653.19	610.94	610.43
Field Parameters					
Temperature, Field	Degrees C	16.35	15.67	15.53	15.21
Dissolved Oxygen, Field	mg/L	0.98	0.25	0.30	2.12
Conductivity, Field	uS/cm	3357.29	2684.96	888.82	832.30
ORP, Field	mV	-137.36	-109.58	-147.76	-130.33
pH, Field	S.U.	8.00	7.49	7.64	7.59
Turbidity, Field	NTU	14.21	18.94	0.00	17.56
Appendix III Constituents					
Boron, Total	ug/L	46800	35200	260	268
Calcium, Total	ug/L	431000	418000	99900	98500
Chloride	mg/L	338	170	142	126
Fluoride	mg/L	0.26	0.37	0.25	0.24
Sulfate	mg/L	2060	1550	102	75
Total Dissolved Solids	mg/L	3670	2860	623	563
pH at 25 Degrees C	Degrees C	7.30	7.30	7.60	7.80
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	112.0	2.1	23.0	23.5
Barium, Total	ug/L	49.3	31.9	392.0	383.0
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	666.00	464.00	<20	<20
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	222.0	116.0	<10	<10
Molybdenum, Dissolved	ug/L	231.0	122.0	<10	<10
Radium-226	pCi/L	<0.138	4.12	1.23	0.82
Radium-228	pCi/L	1.85	1.37	1.61	0.61
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	1.99	5.49	2.84	1.43
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	179	251	258	265
Alkalinity,Bicarbonate (CaCO3)	mg/L	179	251	258	265
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	586	<200	<200	<200
Dissolved Organic Carbon	mg/L	2.5	3.3	4.0	2.8
Iron, Total	ug/L	3100	7550	6240	5660
Iron, Ferrous	mg/L	0.4	0.2	1.6	4.0
Iron, Dissolved	ug/L	1860	7730	6230	5780
Magnesium, Total	ug/L	151000	134000	27500	26900
Manganese, Total	ug/L	269	473	252	145
Manganese, Dissolved	ug/L	254	494	253	147
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	0.75	0.27	0.85	0.77
Potassium, Total	ug/L	57400	32000	3450	3640
Silica, Total	ug/L	12600	13800	13600	14000
Sodium, Total	ug/L	412000	190000	74700	66100
Sulfide	mg/L	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	<4	1.7	2.0	1.9

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-15S	MW-15I	MW-15D	MW-16S
Sample Date		NS	11/29/2023	11/29/2023	11/2/2023
Pace Lab ID			50360581001	50360581002	50358390006
Static Water Elevation		<664.66	662.46	662.35	656.57
Field Parameters					
Temperature, Field	Degrees C		14.03	13.24	15.76
Dissolved Oxygen, Field	mg/L		0.08	0.21	0.44
Conductivity, Field	uS/cm		588.96	547.20	847.79
ORP, Field	mV		140.43	14.76	52.37
pH, Field	S.U.		7.22	6.94	6.68
Turbidity, Field	NTU		0.00	9.67	0.36
Appendix III Constituents					
Boron, Total	ug/L		110	154	543
Calcium, Total	ug/L		121000	109000	107000
Chloride	mg/L		24	21	163
Fluoride	mg/L		<0.1	<0.1	0.41
Sulfate	mg/L		56	64	127
Total Dissolved Solids	mg/L		441	457	683
pH at 25 Degrees C	Degrees C		8.00	7.70	7.20
Appendix IV Constituents					
Antimony, Total	ug/L		<1	<1	<1
Arsenic, Total	ug/L		<1	1.1	<1
Barium, Total	ug/L		72.4	73.5	63.9
Beryllium, Total	ug/L		<0.2	<0.2	<0.2
Cadmium, Total	ug/L		#N/A	#N/A	#N/A
Chromium, Total	ug/L		#N/A	#N/A	#N/A
Cobalt, Total	ug/L		<1	<1	1.10
Lead, Total	ug/L		#N/A	#N/A	#N/A
Lithium, Total	ug/L		<20	<20	30.80
Mercury	ug/L		#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	DRY	<10	<10	157.0
Molybdenum, Dissolved	ug/L		<10	<10	160.0
Radium-226	pCi/L		<0.119	0.65	<0.109
Radium-228	pCi/L		0.41	0.76	<0.396
Selenium, Total	ug/L		<1	<1	<1
Thallium, Total	ug/L		#N/A	#N/A	#N/A
Total Radium	pCi/L		<0.526	1.41	<0.505
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L		348	343	253
Alkalinity,Bicarbonate (CaCO3)	mg/L		348	343	253
Alkalinity,Carbonate (CaCO3)	mg/L		<10	<10	<10
Aluminum, Total	ug/L		<200	<200	<200
Dissolved Organic Carbon	mg/L		1.2	<1	2.0
Iron, Total	ug/L		<100	1160	<100
Iron, Ferrous	mg/L		<0.2	<0.2	<0.2
Iron, Dissolved	ug/L		<100	585	<100
Magnesium, Total	ug/L		32600	32500	26200
Manganese, Total	ug/L		14	125	501
Manganese, Dissolved	ug/L		14	68	508
Nitrogen, Nitrate	mg/L		2	<0.1	<0.1
Nitrogen, Nitrite	mg/L		<0.1	<0.1	<0.1
Phosphate as P04	mg/L		<0.15	<0.15	0.21
Potassium, Total	ug/L		1570	2140	7520
Silica, Total	ug/L		13800	13100	16200
Sodium, Total	ug/L		14100	20200	95300
Sulfide	mg/L		<0.1	<0.1	<0.1
Total Organic Carbon	mg/L		2.2	1.7	1.9

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-16D	MW-17S	MW-17I	MW-17IL
Sample Date		11/2/2023	NS	11/2/2023	11/2/2023
Pace Lab ID		50358390007		50358390004	50358390001
Static Water Elevation		655.36	<656.71	648.68	622.23
Field Parameters					
Temperature, Field	Degrees C	14.68		13.93	12.00
Dissolved Oxygen, Field	mg/L	0.91		0.16	0.60
Conductivity, Field	uS/cm	1191.70		666.09	840.67
ORP, Field	mV	-122.81		-98.98	-84.13
pH, Field	S.U.	6.89		6.88	6.80
Turbidity, Field	NTU	10.77		0.00	0.00
Appendix III Constituents					
Boron, Total	ug/L	1400		163	231
Calcium, Total	ug/L	211000		80100	88500
Chloride	mg/L	162		117	129
Fluoride	mg/L	0.53		0.27	0.26
Sulfate	mg/L	489		85	86
Total Dissolved Solids	mg/L	1130		584	567
pH at 25 Degrees C	Degrees C	7.20		7.00	6.80
Appendix IV Constituents					
Antimony, Total	ug/L	<1		<1	<1
Arsenic, Total	ug/L	34.5		2.4	2.8
Barium, Total	ug/L	243.0		133.0	214.0
Beryllium, Total	ug/L	<0.2		<0.2	<0.2
Cadmium, Total	ug/L	#N/A		#N/A	#N/A
Chromium, Total	ug/L	#N/A		#N/A	#N/A
Cobalt, Total	ug/L	<1		<1	<1
Lead, Total	ug/L	#N/A		#N/A	#N/A
Lithium, Total	ug/L	<20		<20	<20
Mercury	ug/L	#N/A		#N/A	#N/A
Molybdenum, Total	ug/L	12.4	DRY	<10	<10
Molybdenum, Dissolved	ug/L	12.3		<10	<10
Radium-226	pCi/L	<0.308		0.41	1.82
Radium-228	pCi/L	0.92		<0.148	0.85
Selenium, Total	ug/L	<1		<1	<1
Thallium, Total	ug/L	#N/A		#N/A	#N/A
Total Radium	pCi/L	1.23		<0.556	2.67
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	274		233	253
Alkalinity,Bicarbonate (CaCO3)	mg/L	274		233	253
Alkalinity,Carbonate (CaCO3)	mg/L	<10		<10	<10
Aluminum, Total	ug/L	254		<200	<200
Dissolved Organic Carbon	mg/L	7.1		3.6	1.9
Iron, Total	ug/L	11500		1580	2070
Iron, Ferrous	mg/L	1.5		0.6	0.7
Iron, Dissolved	ug/L	10900		1670	2210
Magnesium, Total	ug/L	66600		24300	23900
Manganese, Total	ug/L	2520		266	267
Manganese, Dissolved	ug/L	2480		271	274
Nitrogen, Nitrate	mg/L	<0.1		<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1		<0.1	<0.1
Phosphate as P04	mg/L	1.00		<0.15	0.32
Potassium, Total	ug/L	3460		5350	6310
Silica, Total	ug/L	13700		8220	9100
Sodium, Total	ug/L	51200		81400	84100
Sulfide	mg/L	<0.1		<0.1	<0.1
Total Organic Carbon	mg/L	4.9		1.9	2.0

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-17D	MW-18S	MW-18I	MW-18D
Sample Date		11/2/2023	11/22/2023	11/1/2023	11/1/2023
Pace Lab ID		50358390005	50360346001	50358204001	50358204002
Static Water Elevation		621.25	620.20	620.21	620.26
Field Parameters					
Temperature, Field	Degrees C	12.77	14.20	14.34	14.28
Dissolved Oxygen, Field	mg/L	0.84	674.66	0.44	0.06
Conductivity, Field	uS/cm	807.46	-17.76	909.75	821.45
ORP, Field	mV	-91.47	0.49	-157.28	-112.61
pH, Field	S.U.	6.86	1482.23	6.81	6.75
Turbidity, Field	NTU	6.98	7.07	18.45	0.68
Appendix III Constituents					
Boron, Total	ug/L	224	219	334	276
Calcium, Total	ug/L	90600	89200	96200	101000
Chloride	mg/L	140	117	163	142
Fluoride	mg/L	0.28	0.18	0.13	<0.1
Sulfate	mg/L	97	69	48	50
Total Dissolved Solids	mg/L	595	526	641	613
pH at 25 Degrees C	Degrees C	7.20	7.30	7.70	7.60
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	3.0	1.8	2.0	15.6
Barium, Total	ug/L	193.0	249.0	429.0	319.0
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	<20	<20	<20	<20
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	<10	<10	<10	<10
Molybdenum, Dissolved	ug/L	<10	<10	<10	<10
Radium-226	pCi/L	1.31	1.94	2.20	<0.266
Radium-228	pCi/L	0.88	1.15	1.02	0.46
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	2.19	3.09	3.22	<0.723
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	245	269	274	254
Alkalinity,Bicarbonate (CaCO3)	mg/L	245	269	274	254
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	<200	<200	<200	<200
Dissolved Organic Carbon	mg/L	2.1	4.7	3.0	2.3
Iron, Total	ug/L	2110	2360	2860	3910
Iron, Ferrous	mg/L	<0.2	<0.2	1.4	0.4
Iron, Dissolved	ug/L	2110	2240	2690	3860
Magnesium, Total	ug/L	25600	27100	30400	28200
Manganese, Total	ug/L	326	246	122	49
Manganese, Dissolved	ug/L	334	239	120	52
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	0.25	<0.15	<0.15	0.19
Potassium, Total	ug/L	6060	7140	9150	4070
Silica, Total	ug/L	8870	10300	13600	14000
Sodium, Total	ug/L	86700	78100	88700	66800
Sulfide	mg/L	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	2.0	2.7	3.9	3.1

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	M-4	PZ-100S	PZ-100D	PZ-101S
Sample Date		11/22/2023	11/21/2023	11/21/2023	11/16/2023
Pace Lab ID		50360346002	50360217001	50360217002	50359859001
Static Water Elevation		654.24	645.05	629.11	635.82
Field Parameters					
Temperature, Field	Degrees C	14.66	13.86	13.77	15.15
Dissolved Oxygen, Field	mg/L	0.00	9.70	0.32	0.63
Conductivity, Field	uS/cm	1491.02	0.50	1522.03	1612.76
ORP, Field	mV	-167.48	-7.71	-133.18	-52.35
pH, Field	S.U.	7.56	6.76	7.21	7.10
Turbidity, Field	NTU	4.85	0.28	0.45	3.22
Appendix III Constituents					
Boron, Total	ug/L	21200	1710	7150	3190
Calcium, Total	ug/L	313000	226000	236000	234000
Chloride	mg/L	105	445	226	223
Fluoride	mg/L	0.22	1.50	0.62	0.19
Sulfate	mg/L	622	395	481	437
Total Dissolved Solids	mg/L	1630	1540	1370	1470
pH at 25 Degrees C	Degrees C	7.10	7.10	7.20	7.80
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	816.0	3.1	168.0	10.2
Barium, Total	ug/L	140.0	38.5	57.4	120.0
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	231.00	55.60	70.10	85.60
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	255.0	103.0	128.0	112.0
Molybdenum, Dissolved	ug/L	240.0	102.0	125.0	111.0
Radium-226	pCi/L	0.58	<-0.229	0.75	1.72
Radium-228	pCi/L	0.99	0.79	0.51	0.75
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	1.56	<0.794	1.270	2.47
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	370	309	274	377
Alkalinity,Bicarbonate (CaCO3)	mg/L	370	309	274	377
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	<200	<200	<200	<200
Dissolved Organic Carbon	mg/L	3.8	<4	<4	2.8
Iron, Total	ug/L	6430	2340	3310	7330
Iron, Ferrous	mg/L	0.7	<0.2	0.6	<0.2
Iron, Dissolved	ug/L	5400	2560	3240	7140
Magnesium, Total	ug/L	45600	70800	63800	52300
Manganese, Total	ug/L	818	399	197	581
Manganese, Dissolved	ug/L	793	403	194	588
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	2.30	0.15	0.69	0.32
Potassium, Total	ug/L	23400	10600	11300	14000
Silica, Total	ug/L	14200	15400	12800	13900
Sodium, Total	ug/L	107000	219000	136000	182000
Sulfide	mg/L	0.14	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	3.7	<4	<4	2.4

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	PZ-101D	MW-102S	MW-102D	MW-103S
Sample Date		11/21/2023	NS	11/16/2023	11/14/2023
Pace Lab ID		50360217003		50359859003	50359670005
Static Water Elevation		601.86	619.35	616.73	665.82
Field Parameters					
Temperature, Field	Degrees C	29.50		14.68	15.20
Dissolved Oxygen, Field	mg/L	0.08		0.43	0.32
Conductivity, Field	uS/cm	2705.47		1867.70	1333.36
ORP, Field	mV	-245.87		-116.11	-22.95
pH, Field	S.U.	4.93		6.95	6.86
Turbidity, Field	NTU	40.22		0.76	0.65
Appendix III Constituents					
Boron, Total	ug/L	3860		22100	821
Calcium, Total	ug/L	250000		357000	261000
Chloride	mg/L	327		135	52
Fluoride	mg/L	0.25		0.16	0.22
Sulfate	mg/L	499		1340	439
Total Dissolved Solids	mg/L	1590		1920	1260
pH at 25 Degrees C	Degrees C	7.20		7.50	7.20
Appendix IV Constituents					
Antimony, Total	ug/L	<1		<1	<1
Arsenic, Total	ug/L	6.6		44.2	21.7
Barium, Total	ug/L	92.9		54.8	61.6
Beryllium, Total	ug/L	<0.2		<0.2	<0.2
Cadmium, Total	ug/L	#N/A		#N/A	#N/A
Chromium, Total	ug/L	#N/A		#N/A	#N/A
Cobalt, Total	ug/L	<1		<1	2.10
Lead, Total	ug/L	#N/A		#N/A	#N/A
Lithium, Total	ug/L	106.00		107.00	<20
Mercury	ug/L	#N/A		#N/A	#N/A
Molybdenum, Total	ug/L	183.0	DRY	553.0	19.3
Molybdenum, Dissolved	ug/L	180.0		570.0	19.7
Radium-226	pCi/L	1.67		<-0.106	0.33
Radium-228	pCi/L	0.88		0.98	<0.2
Selenium, Total	ug/L	<1		<1	<1
Thallium, Total	ug/L	#N/A		#N/A	#N/A
Total Radium	pCi/L	2.55		0.98	0.525
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	359		109	584
Alkalinity,Bicarbonate (CaCO3)	mg/L	359		109	584
Alkalinity,Carbonate (CaCO3)	mg/L	<10		<10	<10
Aluminum, Total	ug/L	483		<200	<200
Dissolved Organic Carbon	mg/L	<4		2.8	8.4
Iron, Total	ug/L	4640		6720	14300
Iron, Ferrous	mg/L	<0.2		<0.2	9.4
Iron, Dissolved	ug/L	3640		6930	14700
Magnesium, Total	ug/L	47900		48400	76100
Manganese, Total	ug/L	401		639	291
Manganese, Dissolved	ug/L	367		662	293
Nitrogen, Nitrate	mg/L	<0.1		<0.1	0
Nitrogen, Nitrite	mg/L	<0.1		<0.1	<0.1
Phosphate as P04	mg/L	0.18		0.75	<0.15
Potassium, Total	ug/L	17500		13300	2130
Silica, Total	ug/L	14300		14800	24000
Sodium, Total	ug/L	245000		160000	43100
Sulfide	mg/L	<0.1		<0.1	<0.1
Total Organic Carbon	mg/L	<4		2.2	6.5

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-103I	MW-103D	MW-104S	MW-104D
Sample Date		11/14/2023	11/14/2023	NS	11/15/2023
Pace Lab ID		50359670006	50359670003		50359760005
Static Water Elevation		610.88	608.30	<621.80	588.53
Field Parameters					
Temperature, Field	Degrees C	15.57	16.12		16.34
Dissolved Oxygen, Field	mg/L	1.38	0.42		1.69
Conductivity, Field	uS/cm	836.17	840.83		1528.93
ORP, Field	mV	-121.88	-142.25		-13.58
pH, Field	S.U.	7.38	7.54		6.50
Turbidity, Field	NTU	4.45	0.00		19.93
Appendix III Constituents					
Boron, Total	ug/L	320	315		2860
Calcium, Total	ug/L	102000	86300		218000
Chloride	mg/L	235	196		231
Fluoride	mg/L	0.19	0.16		<0.1
Sulfate	mg/L	15	49		472
Total Dissolved Solids	mg/L	341	631		1350
pH at 25 Degrees C	Degrees C	7.20	7.00		7.10
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1		<1
Arsenic, Total	ug/L	<1	<1		3.7
Barium, Total	ug/L	239.0	340.0		53.1
Beryllium, Total	ug/L	<0.2	<0.2		<0.2
Cadmium, Total	ug/L	#N/A	#N/A		#N/A
Chromium, Total	ug/L	#N/A	#N/A		#N/A
Cobalt, Total	ug/L	<1	<1		1.10
Lead, Total	ug/L	#N/A	#N/A		#N/A
Lithium, Total	ug/L	<20	<20		58.40
Mercury	ug/L	#N/A	#N/A		#N/A
Molybdenum, Total	ug/L	<10	<10	DRY	19
Molybdenum, Dissolved	ug/L	<10	<10		19
Radium-226	pCi/L	1.09	0.42		0.73
Radium-228	pCi/L	0.71	0.84		0.59
Selenium, Total	ug/L	<1	<1		<1
Thallium, Total	ug/L	#N/A	#N/A		#N/A
Total Radium	pCi/L	1.80	1.26		1.33
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	293	255		360
Alkalinity,Bicarbonate (CaCO3)	mg/L	293	255		360
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10		<10
Aluminum, Total	ug/L	<200	<200		<200
Dissolved Organic Carbon	mg/L	4.9	4.4		2.5
Iron, Total	ug/L	1780	2160		3310
Iron, Ferrous	mg/L	1.0	<0.2		1.9
Iron, Dissolved	ug/L	1780	2310		2290
Magnesium, Total	ug/L	30700	29100		54400
Manganese, Total	ug/L	327	115		772
Manganese, Dissolved	ug/L	335	121		753
Nitrogen, Nitrate	mg/L	<0.1	<0.1		<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1		<0.1
Phosphate as P04	mg/L	0.18	<0.15		<0.15
Potassium, Total	ug/L	6950	5160		10000
Silica, Total	ug/L	11000	12600		11300
Sodium, Total	ug/L	90200	83100		157000
Sulfide	mg/L	<0.1	<0.1		<0.1
Total Organic Carbon	mg/L	4.8	3.6		<4

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-105S	MW-105I	MW-105D	MW-106S
Sample Date		11/13/2023	11/13/2023	11/14/2023	11/13/2023
Pace Lab ID		50359596003	50359596004	50359670004	50359596001
Static Water Elevation		633.42	607.18	614.11	637.18
Field Parameters					
Temperature, Field	Degrees C	15.73	15.46	15.47	18.37
Dissolved Oxygen, Field	mg/L	0.09	0.18	0.33	0.04
Conductivity, Field	uS/cm	2046.15	778.99	678.38	331.29
ORP, Field	mV	-59.20	-75.62	-71.46	95.57
pH, Field	S.U.	6.54	6.67	6.77	6.65
Turbidity, Field	NTU	5.21	12.63	6.36	6.75
Appendix III Constituents					
Boron, Total	ug/L	26600	298	1460	2780
Calcium, Total	ug/L	409000	103000	110000	255000
Chloride	mg/L	141	95	114	50
Fluoride	mg/L	0.26	0.12	0.26	0.42
Sulfate	mg/L	1100	60	127	717
Total Dissolved Solids	mg/L	2080	526	635	1370
pH at 25 Degrees C	Degrees C	7.00	7.20	7.40	7.00
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	6.0	<1	2.9	2.5
Barium, Total	ug/L	33.0	299.0	257.0	32.9
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	<1	1.70
Lead, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Lithium, Total	ug/L	341.00	<20	21.40	41.80
Mercury	ug/L	#N/A	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	77	<10	13	20
Molybdenum, Dissolved	ug/L	73	<10	15	19
Radium-226	pCi/L	<0.267	1.20	0.76	<-0.234
Radium-228	pCi/L	0.68	0.70	0.43	0.57
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Total Radium	pCi/L	0.95	1.90	1.19	<0.573
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	258	300	267	258
Alkalinity,Bicarbonate (CaCO3)	mg/L	258	300	267	258
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	<200	<200	<200	993
Dissolved Organic Carbon	mg/L	2.4	2.9	4.0	1.9
Iron, Total	ug/L	9950	4830	3600	2600
Iron, Ferrous	mg/L	1.5	0.3	<0.2	<0.2
Iron, Dissolved	ug/L	10100	4700	2930	<100
Magnesium, Total	ug/L	97800	24900	27400	100000
Manganese, Total	ug/L	204	128	122	955
Manganese, Dissolved	ug/L	211	132	126	954
Nitrogen, Nitrate	mg/L	<0.1	<0.1	0	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	<0.15	0.26	0.26	<0.15
Potassium, Total	ug/L	19700	5490	5520	8420
Silica, Total	ug/L	18000	13000	12500	12800
Sodium, Total	ug/L	149000	65800	67900	43900
Sulfide	mg/L	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	1.5	1.9	2.6	<4

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-106I	MW-106D	MW-107S	MW-107I
Sample Date		NS	11/13/2023	11/15/2023	11/16/2023
Pace Lab ID			50359596002	50359760006	50359859002
Static Water Elevation		609.13	607.20	648.70	Dry to pump
Field Parameters					
Temperature, Field	Degrees C		17.16	16.22	14.14
Dissolved Oxygen, Field	mg/L		0.14	0.51	0.16
Conductivity, Field	uS/cm		1706.88	1470.62	1384.45
ORP, Field	mV		-110.17	-66.33	344.43
pH, Field	S.U.		6.84	6.79	6.60
Turbidity, Field	NTU		0.08	3.81	0.14
Appendix III Constituents					
Boron, Total	ug/L		12500	5320	6090
Calcium, Total	ug/L		229000	199000	199000
Chloride	mg/L		220	162	248
Fluoride	mg/L		0.25	0.70	0.54
Sulfate	mg/L		556	720	657
Total Dissolved Solids	mg/L		1440	1560	1310
pH at 25 Degrees C	Degrees C		7.00	7.00	7.60
Appendix IV Constituents					
Antimony, Total	ug/L		<1	<1	<1
Arsenic, Total	ug/L		163.0	<1	<1
Barium, Total	ug/L		29.7	17.2	38.0
Beryllium, Total	ug/L		<0.2	<0.2	<0.2
Cadmium, Total	ug/L		#N/A	#N/A	#N/A
Chromium, Total	ug/L		#N/A	#N/A	#N/A
Cobalt, Total	ug/L		<1	<1	<1
Lead, Total	ug/L		#N/A	#N/A	#N/A
Lithium, Total	ug/L		93.10	68.30	51.50
Mercury	ug/L		#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	DRY	270	74	79
Molybdenum, Dissolved	ug/L		273	75	89
Radium-226	pCi/L		0.41	1.53	<0.209
Radium-228	pCi/L		0.67	1.17	0.71
Selenium, Total	ug/L		<1	<1	<1
Thallium, Total	ug/L		#N/A	#N/A	#N/A
Total Radium	pCi/L		1.08	2.70	<0.914
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L		249	201	229
Alkalinity,Bicarbonate (CaCO3)	mg/L		249	201	229
Alkalinity,Carbonate (CaCO3)	mg/L		<10	<10	<10
Aluminum, Total	ug/L		<200	<200	<200
Dissolved Organic Carbon	mg/L		2.5	2.6	2.5
Iron, Total	ug/L		3760	1770	109
Iron, Ferrous	mg/L		0.5	1.5	<0.2
Iron, Dissolved	ug/L		3980	1780	<100
Magnesium, Total	ug/L		49100	73400	67300
Manganese, Total	ug/L		298	371	629
Manganese, Dissolved	ug/L		330	394	700
Nitrogen, Nitrate	mg/L		<0.1	<0.1	1
Nitrogen, Nitrite	mg/L		<0.1	<0.1	<0.1
Phosphate as P04	mg/L		0.81	<0.15	0.25
Potassium, Total	ug/L		13000	11600	9770
Silica, Total	ug/L		15300	12300	13800
Sodium, Total	ug/L		178000	168000	156000
Sulfide	mg/L		<0.1	<0.1	<0.1
Total Organic Carbon	mg/L		<4	1.4	2.00

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-107D	MW-108S	MW-108D	MW-109S
Sample Date		11/15/2023	11/13/2023	11/13/2023	NS
Pace Lab ID		50359760003	50359596005	50359596006	
Static Water Elevation		621.55	Dry to pump	598.03	641.16
Field Parameters					
Temperature, Field	Degrees C	15.23	15.83	14.78	
Dissolved Oxygen, Field	mg/L	0.15	suspect	suspect	
Conductivity, Field	uS/cm	1751.16	suspect	suspect	
ORP, Field	mV	-94.06	-84.00	-120.00	
pH, Field	S.U.	6.76	7.51	7.78	
Turbidity, Field	NTU	0.44	0.60	1.50	
Appendix III Constituents					
Boron, Total	ug/L	9050	2160	6000	
Calcium, Total	ug/L	246000	309000	245000	
Chloride	mg/L	241	167	226	
Fluoride	mg/L	0.37	0.77	0.47	
Sulfate	mg/L	655	900	634	
Total Dissolved Solids	mg/L	1550	1940	1590	
pH at 25 Degrees C	Degrees C	7.60	7.00	7.00	
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	
Arsenic, Total	ug/L	1.9	<1	<1	
Barium, Total	ug/L	55.5	36.2	41.2	
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	
Chromium, Total	ug/L	#N/A	#N/A	#N/A	
Cobalt, Total	ug/L	<1	<1	<1	
Lead, Total	ug/L	#N/A	#N/A	#N/A	
Lithium, Total	ug/L	55.30	74.80	72.90	
Mercury	ug/L	#N/A	#N/A	#N/A	
Molybdenum, Total	ug/L	93	88.5	125.0	DRY
Molybdenum, Dissolved	ug/L	93	87.0	127.0	
Radium-226	pCi/L	<0.271	<0.449	<-0.385	
Radium-228	pCi/L	1.31	1.43	0.93	
Selenium, Total	ug/L	<1	<1	<1	
Thallium, Total	ug/L	#N/A	#N/A	#N/A	
Total Radium	pCi/L	1.58	1.88	<0.933	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	209	327	237	
Alkalinity,Bicarbonate (CaCO3)	mg/L	209	327	237	
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	
Aluminum, Total	ug/L	<200	<200	<200	
Dissolved Organic Carbon	mg/L	4.0	2.3	2.0	
Iron, Total	ug/L	5700	5930	6420	
Iron, Ferrous	mg/L	0.5	0.7	<0.2	
Iron, Dissolved	ug/L	6080	6210	6950	
Magnesium, Total	ug/L	67700	118000	69100	
Manganese, Total	ug/L	363	584	436	
Manganese, Dissolved	ug/L	385	626	484	
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	
Phosphate as P04	mg/L	0.41	0.16	0.30	
Potassium, Total	ug/L	11700	13900	11600	
Silica, Total	ug/L	17400	14900	14500	
Sodium, Total	ug/L	173000	123000	150000	
Sulfide	mg/L	<0.1	<0.1	<0.1	
Total Organic Carbon	mg/L	<4	<4	<4	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-109I	MW-109D	MW-110S	MW-110I
Sample Date		11/15/2023	11/15/2023	11/15/2023	NS
Pace Lab ID		50359760001	50359760002	50359760004	
Static Water Elevation		629.28	629.13	627.49	Dry
Field Parameters					
Temperature, Field	Degrees C	14.06	14.26	14.61	
Dissolved Oxygen, Field	mg/L	0.17	0.06	0.06	
Conductivity, Field	uS/cm	902.47	682.53	1217.05	
ORP, Field	mV	-31.20	-122.06	-47.28	
pH, Field	S.U.	7.00	7.39	6.50	
Turbidity, Field	NTU	9.66	0.00	8.78	
Appendix III Constituents					
Boron, Total	ug/L	1220	1350	1550	
Calcium, Total	ug/L	156000	100000	217000	
Chloride	mg/L	90	95	95	
Fluoride	mg/L	0.11	0.12	0.11	
Sulfate	mg/L	174	55	352	
Total Dissolved Solids	mg/L	764	489	1110	
pH at 25 Degrees C	Degrees C	7.70	8.00	7.80	
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	
Arsenic, Total	ug/L	2.3	1.8	2.1	
Barium, Total	ug/L	243.0	75.8	40.0	
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	
Cadmium, Total	ug/L	#N/A	#N/A	#N/A	
Chromium, Total	ug/L	#N/A	#N/A	#N/A	
Cobalt, Total	ug/L	<1	<1	<1	
Lead, Total	ug/L	#N/A	#N/A	#N/A	
Lithium, Total	ug/L	<20	<20	23.80	
Mercury	ug/L	#N/A	#N/A	#N/A	
Molybdenum, Total	ug/L	<10	<10	13	DRY
Molybdenum, Dissolved	ug/L	<10	<10	14	
Radium-226	pCi/L	1.48	0.53	<0.162	
Radium-228	pCi/L	0.62	1.47	0.85	
Selenium, Total	ug/L	<1	<1	<1	
Thallium, Total	ug/L	#N/A	#N/A	#N/A	
Total Radium	pCi/L	2.10	2.00	1.01	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	382	273	371	
Alkalinity,Bicarbonate (CaCO3)	mg/L	382	273	371	
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	
Aluminum, Total	ug/L	<200	<200	<200	
Dissolved Organic Carbon	mg/L	3.2	2.9	4.4	
Iron, Total	ug/L	4490	2160	5060	
Iron, Ferrous	mg/L	1.6	1.8	1.7	
Iron, Dissolved	ug/L	4440	2150	4770	
Magnesium, Total	ug/L	43900	25000	56900	
Manganese, Total	ug/L	381	80	594	
Manganese, Dissolved	ug/L	390	79	591	
Nitrogen, Nitrate	mg/L	<0.1	0	<0.1	
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1	
Phosphate as P04	mg/L	<0.15	<0.15	<0.15	
Potassium, Total	ug/L	5400	2290	5250	
Silica, Total	ug/L	16100	12700	13200	
Sodium, Total	ug/L	58800	63100	78000	
Sulfide	mg/L	<0.1	<0.1	<0.1	
Total Organic Carbon	mg/L	3.5	1.3	1.9	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 3
Summary of Monitoring Results - November 2023
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-110D
Sample Date		11/14/2023
Pace Lab ID		50359670001
Static Water Elevation		580.76
Field Parameters		
Temperature, Field	Degrees C	15.29
Dissolved Oxygen, Field	mg/L	0.58
Conductivity, Field	uS/cm	1229.91
ORP, Field	mV	-80.79
pH, Field	S.U.	6.86
Turbidity, Field	NTU	13.61
Appendix III Constituents		
Boron, Total	ug/L	4440
Calcium, Total	ug/L	148000
Chloride	mg/L	176
Fluoride	mg/L	0.25
Sulfate	mg/L	344
Total Dissolved Solids	mg/L	950
pH at 25 Degrees C	Degrees C	7.20
Appendix IV Constituents		
Antimony, Total	ug/L	<1
Arsenic, Total	ug/L	1.3
Barium, Total	ug/L	57.4
Beryllium, Total	ug/L	<0.2
Cadmium, Total	ug/L	#N/A
Chromium, Total	ug/L	#N/A
Cobalt, Total	ug/L	<1
Lead, Total	ug/L	#N/A
Lithium, Total	ug/L	58.40
Mercury	ug/L	#N/A
Molybdenum, Total	ug/L	164
Molybdenum, Dissolved	ug/L	164
Radium-226	pCi/L	1.12
Radium-228	pCi/L	0.43
Selenium, Total	ug/L	<1
Thallium, Total	ug/L	#N/A
Total Radium	pCi/L	1.55
Geochemical Constituents		
Alkalinity, Total as CaCO3	mg/L	269
Alkalinity,Bicarbonate (CaCO3)	mg/L	269
Alkalinity,Carbonate (CaCO3)	mg/L	<10
Aluminum, Total	ug/L	<200
Dissolved Organic Carbon	mg/L	2.3
Iron, Total	ug/L	3230
Iron, Ferrous	mg/L	1.4
Iron, Dissolved	ug/L	3080
Magnesium, Total	ug/L	43400
Manganese, Total	ug/L	239
Manganese, Dissolved	ug/L	242
Nitrogen, Nitrate	mg/L	<0.1
Nitrogen, Nitrite	mg/L	<0.1
Phosphate as P04	mg/L	<0.15
Potassium, Total	ug/L	8680
Silica, Total	ug/L	12100
Sodium, Total	ug/L	115000
Sulfide	mg/L	<0.1
Total Organic Carbon	mg/L	2.1

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 4
Summary of Monitoring Results - February 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-18S	MW-18I	MW-18D
Sample Date		2/15/2024	2/15/2024	2/14/2024
Pace Lab ID		50365995003	50365995002	50365995001
Static Water Elevation		620.14	620.18	620.27
Field Parameters				
Temperature, Field	Degrees C	13.92	13.60	13.35
Dissolved Oxygen, Field	mg/L	0.01	0.00	0.02
Conductivity, Field	uS/cm	822.39	890.25	1054.00
ORP, Field	mV	-133.90	-178.40	-153.30
pH, Field	S.U.	6.99	7.11	6.74
Turbidity, Field	NTU	14.51	21.90	72.66
Appendix III Constituents				
Boron, Total	ug/L	214	387	628
Calcium, Total	ug/L	92500	98100	137000
Chloride	mg/L	132	170	169
Fluoride	mg/L	0.23	0.15	0.11
Sulfate	mg/L	80	69	71
Total Dissolved Solids	mg/L	611	640	790
pH at 25 Degrees C	Degrees C	7.50	7.20	7.00
Appendix IV Constituents				
Antimony, Total	ug/L	<1	<1	<1
Arsenic, Total	ug/L	1.7	2.3	23.7
Barium, Total	ug/L	237	445	487
Beryllium, Total	ug/L	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	#N/A	#N/A	#N/A
Chromium, Total	ug/L	#N/A	#N/A	#N/A
Cobalt, Total	ug/L	<1	<1	<1
Lead, Total	ug/L	#N/A	#N/A	#N/A
Lithium, Total	ug/L	<20	<20	<20
Mercury	ug/L	#N/A	#N/A	#N/A
Molybdenum, Total	ug/L	<10	<10	<10
Molybdenum, Dissolved	ug/L	<10	<10	<10
Radium-226	pCi/L	1.09	1.16	1.08
Radium-228	pCi/L	1.07	1.78	1.21
Selenium, Total	ug/L	<1	<1	<1
Thallium, Total	ug/L	#N/A	#N/A	#N/A
Total Radium	pCi/L	2.16	2.94	2.29
Geochemical Constituents				
Alkalinity, Total as CaCO3	mg/L	273	295	406
Alkalinity,Bicarbonate (CaCO3)	mg/L	273	295	406
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10
Aluminum, Total	ug/L	<200	<200	<200
Dissolved Organic Carbon	mg/L	2.2	3.6	4.2
Iron, Total	ug/L	1970	3070	5780
Iron, Ferrous	mg/L	1.5	<0.2	<0.2
Iron, Dissolved	ug/L	1970	2940	5990
Magnesium, Total	ug/L	28100	31300	37300
Manganese, Total	ug/L	315	137	63.6
Manganese, Dissolved	ug/L	322	136	65.4
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	<0.1	<0.1	<0.1
Phosphate as P04	mg/L	<0.15	<0.15	<0.15
Potassium, Total	ug/L	7580	9330	5390
Silica, Total	ug/L	9960	13500	15600
Sodium, Total	ug/L	81900	92900	90000
Sulfide	mg/L	<0.1	<0.1	<0.1
Total Organic Carbon	mg/L	2.2	3.2	4.2

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-1S	MW-1D	MW-2S	MW-2D	MW-2IL
Sample Date		5/6/2024	5/6/2024	5/9/2024	5/9/2024	5/9/2024
Pace Lab ID		50372288003	50372288004	50372695006	50372695007	50372695005
Static Water Elevation		662.05	662.14	658.33	658.31	662.30
Field Parameters						
Temperature, Field	Degrees C	18.80	19.58	13.07	14.53	15.47
Dissolved Oxygen, Field	mg/L	0.02	1.72	0.09	0.16	2.19
Conductivity, Field	uS/cm	798.98	911.46	929.31	1354.30	501.84
ORP, Field	mV	-151.81	-122.11	-132.00	-78.08	-139.73
pH, Field	S.U.	7.54	7.49	7.61	7.27	7.47
Turbidity, Field	NTU	29.63	5.01	0.00	0.59	0.13
Appendix III Constituents						
Boron, Total	ug/L	163	137	269	1010	142
Calcium, Total	ug/L	69200	79100	82600	149000	73900
Chloride	mg/L	126	154	179	238	8
Fluoride	mg/L	0.35	0.39	0.59	0.78	0.56
Sulfate	mg/L	91.6	97.1	143	299	0.37
Total Dissolved Solids	mg/L	513	580	690	1080	338
pH at 25 Degrees C	Degrees C	7.2	7.2	7.0	6.9	6.9
Appendix IV Constituents						
Antimony, Total	ug/L	<1	<1	<1	<1	<1
Arsenic, Total	ug/L	5.1	6.1	8.0	11.6	16.5
Barium, Total	ug/L	58	101	49	40	646
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	<1	<1
Lead, Total	ug/L	<10	<10	<10	<10	<10
Lithium, Total	ug/L	<20	<20	<20	34.9	<20
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	21.0	20.4	57.4	63.6	21.1
Molybdenum, Dissolved	ug/L	20.2	20.5	56.0	65.7	20.6
Radium-226	pCi/L	0.9	<0.332	<0.061	<-0.282	0.8
Radium-228	pCi/L	1.1	0.6	0.9	1.2	0.8
Selenium, Total	ug/L	<1	<1	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1	<1
Total Radium	pCi/L	2.0	0.9	<0.979	1.2	1.6
Geochemical Constituents						
Alkalinity, Total as CaCO3	mg/L	242	273	235	274	365
Alkalinity,Bicarbonate (CaCO3)	mg/L	242	273	235	274	365
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	4.1	3.7	3.9	<4	3.7
Iron, Total	ug/L	1880	3290	1500	3270	3270
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	21300	21700	23700	36700	28700
Manganese, Total	ug/L	149	157	255	390	101
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	5420	5670	8920	9620	1960
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	100000	117000	127000	165000	20300
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-2D1	MW-3S	MW-3D	MW-4SR
Sample Date		5/9/2024	5/7/2024	5/7/2024	4/30/2024
Pace Lab ID		50372695008	50372420001	50372420003	0
Static Water Elevation		662.77	#VALUE!	658.17	#VALUE!
Field Parameters					
Temperature, Field	Degrees C	16.05	16.75	16.73	
Dissolved Oxygen, Field	mg/L	0.19	5.25	0.36	
Conductivity, Field	uS/cm	1000.69	806.12	847.87	
ORP, Field	mV	-142.37	129.37	-106.03	
pH, Field	S.U.	7.42	6.85	7.46	
Turbidity, Field	NTU	0.00	0.00	10.58	
Appendix III Constituents					
Boron, Total	ug/L	377	594	354	
Calcium, Total	ug/L	172000	131000	97000	
Chloride	mg/L	66	79	170	
Fluoride	mg/L	0.46	0.13	0.21	
Sulfate	mg/L	254	156	86.3	
Total Dissolved Solids	mg/L	800	630	582	
pH at 25 Degrees C	Degrees C	7.0	6.8	7.0	
Appendix IV Constituents					
Antimony, Total	ug/L	<1	6	<1	
Arsenic, Total	ug/L	15.9	<1	3.3	
Barium, Total	ug/L	501	55	53	
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	
Cadmium, Total	ug/L	<2	<2	<2	
Chromium, Total	ug/L	<10	<10	<10	
Cobalt, Total	ug/L	<1	<1	<1	
Lead, Total	ug/L	<10	<10	<10	
Lithium, Total	ug/L	<20	<20	<20	
Mercury	ug/L	<0.2	<0.2	<0.2	
Molybdenum, Total	ug/L	<10	22.9	<10	DRY
Molybdenum, Dissolved	ug/L	<10	25.8	<10	
Radium-226	pCi/L	5.7	<0.067	<0.0932	
Radium-228	pCi/L	0.7	1.0	0.5	
Selenium, Total	ug/L	<1	42.8	<1	
Thallium, Total	ug/L	<1	<1	<1	
Total Radium	pCi/L	6.4	1.0	<0.637	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	414	318	242	
Alkalinity,Bicarbonate (CaCO3)	mg/L	414	318	242	
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	
Dissolved Organic Carbon	mg/L	5.4	3.8	1.9	
Iron, Total	ug/L	5860	<100	1530	
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	
Magnesium, Total	ug/L	54700	30200	25400	
Manganese, Total	ug/L	149	20	224	
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	
Nitrogen, Nitrate	mg/L	<0.1	1.10	<0.1	
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	
Potassium, Total	ug/L	3230	2090	3160	
Silica, Total	ug/L	#N/A	#N/A	#N/A	
Sodium, Total	ug/L	31400	47600	76000	
Sulfide	mg/L	#N/A	#N/A	#N/A	
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-4I	MW-4D	MW-5S	MW-5D
Sample Date		5/9/2024	5/9/2024	4/30/2024	5/3/2024
Pace Lab ID		50372695004	50372695003	0	50372183001
Static Water Elevation		645.60	645.63	655.37	645.33
Field Parameters					
Temperature, Field	Degrees C	15.22	15.20		16.49
Dissolved Oxygen, Field	mg/L	0.50	3.19		0.35
Conductivity, Field	uS/cm	702.77	703.37		1908.34
ORP, Field	mV	-103.96	-113.96		-145.74
pH, Field	S.U.	7.41	7.45		7.52
Turbidity, Field	NTU	4.62	0.00		3.14
Appendix III Constituents					
Boron, Total	ug/L	205	166		4010
Calcium, Total	ug/L	84300	86700		257000
Chloride	mg/L	103	105		287
Fluoride	mg/L	0.14	0.21		0.78
Sulfate	mg/L	47.4	59.3		524
Total Dissolved Solids	mg/L	484	484		1560
pH at 25 Degrees C	Degrees C	6.8	6.6		7.1
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1		<1
Arsenic, Total	ug/L	2.3	2.0		95.5
Barium, Total	ug/L	71	79		42
Beryllium, Total	ug/L	<0.2	<0.2		<0.2
Cadmium, Total	ug/L	<2	<2		<2
Chromium, Total	ug/L	<10	<10		<10
Cobalt, Total	ug/L	<1	<1		<1
Lead, Total	ug/L	<10	<10		<10
Lithium, Total	ug/L	<20	<20		79.0
Mercury	ug/L	<0.2	<0.2		<0.2
Molybdenum, Total	ug/L	<10	<10	DRY	145
Molybdenum, Dissolved	ug/L	<10	<10		152
Radium-226	pCi/L	0.5	0.5		0.5
Radium-228	pCi/L	<0.399	1.4		<0.391
Selenium, Total	ug/L	<1	<1		<1
Thallium, Total	ug/L	<1	<1		<1
Total Radium	pCi/L	0.9	1.9		0.9
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	259	256		330
Alkalinity,Bicarbonate (CaCO3)	mg/L	259	256		330
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10		<10
Aluminum, Total	ug/L	#N/A	#N/A		#N/A
Dissolved Organic Carbon	mg/L	1.9	1.5		<4
Iron, Total	ug/L	1190	1750		4280
Iron, Ferrous	mg/L	#N/A	#N/A		#N/A
Iron, Dissolved	ug/L	#N/A	#N/A		#N/A
Magnesium, Total	ug/L	19900	21500		66900
Manganese, Total	ug/L	160	96		339
Manganese, Dissolved	ug/L	#N/A	#N/A		#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1		<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A		#N/A
Phosphate as P04	mg/L	#N/A	#N/A		#N/A
Potassium, Total	ug/L	2420	3090		11000
Silica, Total	ug/L	#N/A	#N/A		#N/A
Sodium, Total	ug/L	66800	62900		186000
Sulfide	mg/L	#N/A	#N/A		#N/A
Total Organic Carbon	mg/L	#N/A	#N/A		#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-6S	MW-6I	MW-6D	MW-7S
Sample Date		5/10/2024	5/10/2024	5/10/2024	5/8/2024
Pace Lab ID		50372871001	50372871002	50372871003	50372547006
Static Water Elevation		660.61	659.94	627.02	657.58
Field Parameters					
Temperature, Field	Degrees C	15.75	16.30	16.78	17.56
Dissolved Oxygen, Field	mg/L	0.84	1.85	3.36	0.10
Conductivity, Field	uS/cm	1844.36	2273.20	1167.67	1663.51
ORP, Field	mV	-87.07	-118.43	-122.71	-126.32
pH, Field	S.U.	6.88	7.32	7.39	7.30
Turbidity, Field	NTU	0.46	21.38	5.25	10.15
Appendix III Constituents					
Boron, Total	ug/L	4090	2470	10600	13100
Calcium, Total	ug/L	179000	242000	283000	245000
Chloride	mg/L	243	282	231	210
Fluoride	mg/L	1.90	0.45	0.29	0.61
Sulfate	mg/L	410	715	792	648
Total Dissolved Solids	mg/L	1350	1820	1730	1350
pH at 25 Degrees C	Degrees C	7.3	6.8	6.8	7.6
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	14.0	8.7	<1	309
Barium, Total	ug/L	81	33	37	44
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	2.1	<1	1.0	1.3
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	48.0	62.2	60.7	83.3
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	229	136	302	391
Molybdenum, Dissolved	ug/L	254	145	323	372
Radium-226	pCi/L	<0.182	0.6	0.0	<0.236
Radium-228	pCi/L	0.8	0.9	0.0	1.1
Selenium, Total	ug/L	5.4	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	1.0	1.5	2.1	1.4
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	417	343	202	304
Alkalinity,Bicarbonate (CaCO3)	mg/L	417	343	202	304
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	<4	<4	<4	2.9
Iron, Total	ug/L	6170	4710	5710	3670
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	45900	85400	47000	48700
Manganese, Total	ug/L	1310	455	575	729
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	0.29	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	10000	13100	0	15600
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	178000	221000	169000	172000
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-7D	MW-7D1	MW-8S	MW-8D
Sample Date		5/8/2024	5/8/2024	5/6/2024	5/6/2024
Pace Lab ID		50372547007	50372547008	50372288001	50372288002
Static Water Elevation		657.51	626.93	657.79	652.64
Field Parameters					
Temperature, Field	Degrees C	17.45	19.68	14.35	14.95
Dissolved Oxygen, Field	mg/L	0.22	0.26	0.96	0.13
Conductivity, Field	uS/cm	1686.59	1655.71	1299.75	993.42
ORP, Field	mV	-138.52	-183.50	103.05	-153.78
pH, Field	S.U.	7.74	8.04	7.11	7.62
Turbidity, Field	NTU	0.00	3.05	0.00	0.00
Appendix III Constituents					
Boron, Total	ug/L	13300	14000	4390	516
Calcium, Total	ug/L	270000	246000	163000	115000
Chloride	mg/L	228	219	185	178
Fluoride	mg/L	0.44	0.26	0.15	0.29
Sulfate	mg/L	588	614	301	155
Total Dissolved Solids	mg/L	1450	1410	1030	650
pH at 25 Degrees C	Degrees C	7.0	7.4	6.8	7.0
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	522	392	<1	3.6
Barium, Total	ug/L	47	75	28	264
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	96.8	109.0	78.9	<20
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	449	556	209	48.5
Molybdenum, Dissolved	ug/L	428	523	196	48.7
Radium-226	pCi/L	0.5	1.3	<-0.195	1.3
Radium-228	pCi/L	1.5	0.8	<0.108	0.7
Selenium, Total	ug/L	<1	<1	3.2	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	2.0	2.0	<0.108	2.1
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	270	247	383	273
Alkalinity,Bicarbonate (CaCO3)	mg/L	270	247	383	273
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	<4	<4	4.0	3.3
Iron, Total	ug/L	2520	2920	<100	3070
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	48600	47200	50200	33500
Manganese, Total	ug/L	560	425	17	614
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1	0.79	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	17300	16700	14500	4970
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	176000	174000	119000	87900
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-9SR	MW-9I	MW-9D	MW-10S
Sample Date		4/30/2024	5/7/2024	5/7/2024	5/21/2024
Pace Lab ID		0	50372420004	50372420002	50373757001
Static Water Elevation		642.33	642.89	643.96	661.70
Field Parameters					
Temperature, Field	Degrees C		15.55	15.89	#N/A
Dissolved Oxygen, Field	mg/L		0.81	0.48	0.02
Conductivity, Field	uS/cm		2186.05	2306.22	1812.93
ORP, Field	mV		-98.30	-94.53	-74.37
pH, Field	S.U.		7.28	7.21	7.34
Turbidity, Field	NTU		0.00	0.00	12.02
Appendix III Constituents					
Boron, Total	ug/L		3710	2230	3810
Calcium, Total	ug/L		236000	225000	330000
Chloride	mg/L		446	460	870
Fluoride	mg/L		0.82	0.79	2.70
Sulfate	mg/L		511	544	916
Total Dissolved Solids	mg/L		1600	1630	1520
pH at 25 Degrees C	Degrees C		6.4	6.7	6.4
Appendix IV Constituents					
Antimony, Total	ug/L		<1	<1	<1
Arsenic, Total	ug/L		122	140	283
Barium, Total	ug/L		60	67	95
Beryllium, Total	ug/L		<0.2	<0.2	<0.2
Cadmium, Total	ug/L		<2	<2	<2
Chromium, Total	ug/L		<10	<10	<10
Cobalt, Total	ug/L		<1	<1	<1
Lead, Total	ug/L		<10	<10	<10
Lithium, Total	ug/L		56.8	36.8	46.7
Mercury	ug/L		<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	DRY	127	71.1	111
Molybdenum, Dissolved	ug/L		143	82.1	109
Radium-226	pCi/L		<0.217	0.9	0.4
Radium-228	pCi/L		1.2	1.0	<0.245
Selenium, Total	ug/L		<1	<1	1.3
Thallium, Total	ug/L		<1	<1	<1
Total Radium	pCi/L		1.4	1.9	<0.617
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L		285	338	282
Alkalinity,Bicarbonate (CaCO3)	mg/L		285	338	282
Alkalinity,Carbonate (CaCO3)	mg/L		<10	<10	<10
Aluminum, Total	ug/L		#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L		<4	<4	<4
Iron, Total	ug/L		2100	2810	1470
Iron, Ferrous	mg/L		#N/A	#N/A	#N/A
Iron, Dissolved	ug/L		#N/A	#N/A	#N/A
Magnesium, Total	ug/L		57800	61100	75300
Manganese, Total	ug/L		292	354	572
Manganese, Dissolved	ug/L		#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L		<0.1	0.13	<0.1
Nitrogen, Nitrite	mg/L		#N/A	#N/A	#N/A
Phosphate as P04	mg/L		#N/A	#N/A	#N/A
Potassium, Total	ug/L		9320	9480	11600
Silica, Total	ug/L		#N/A	#N/A	#N/A
Sodium, Total	ug/L		249000	290000	536000
Sulfide	mg/L		#N/A	#N/A	#N/A
Total Organic Carbon	mg/L		#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-10D	MW-11S	MW-11D	MW-12S
Sample Date		5/21/2024	5/10/2024	5/10/2024	4/30/2024
Pace Lab ID		50373757002	50372871004	50372871005	0
Static Water Elevation		661.67	657.12	657.38	#VALUE!
Field Parameters					
Temperature, Field	Degrees C	#N/A	17.18	14.51	
Dissolved Oxygen, Field	mg/L	0.08	0.95	0.22	
Conductivity, Field	uS/cm	2047.24	513.94	1235.60	
ORP, Field	mV	-95.83	-1.87	-121.20	
pH, Field	S.U.	7.34	7.88	7.28	
Turbidity, Field	NTU	0.00	5.23	48.22	
Appendix III Constituents					
Boron, Total	ug/L	2510	819	9970	
Calcium, Total	ug/L	384000	55300	197000	
Chloride	mg/L	638	30	76	
Fluoride	mg/L	1.80	1.70	0.51	
Sulfate	mg/L	1050	118	528	
Total Dissolved Solids	mg/L	2520	478	1160	
pH at 25 Degrees C	Degrees C	6.8	7.3	6.9	
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	
Arsenic, Total	ug/L	99.3	1.7	15.1	
Barium, Total	ug/L	46	80	23	
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	
Cadmium, Total	ug/L	<2	<2	<2	
Chromium, Total	ug/L	<10	<10	<10	
Cobalt, Total	ug/L	<1	<1	<1	
Lead, Total	ug/L	<10	<10	<10	
Lithium, Total	ug/L	61.5	<20	126	
Mercury	ug/L	<0.2	<0.2	<0.2	
Molybdenum, Total	ug/L	58.9	67.4	<10	DRY
Molybdenum, Dissolved	ug/L	58.4	75.3	<10	
Radium-226	pCi/L	1.3	<0.33	<0.314	
Radium-228	pCi/L	1.0	<0.476	0.7	
Selenium, Total	ug/L	<1	<1	<1	
Thallium, Total	ug/L	<1	<1	<1	
Total Radium	pCi/L	2.3	<0.806	1.0	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	335	220	265	
Alkalinity,Bicarbonate (CaCO3)	mg/L	335	202	265	
Alkalinity,Carbonate (CaCO3)	mg/L	<10	18	<10	
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	
Dissolved Organic Carbon	mg/L	<4	<1	1.3	
Iron, Total	ug/L	3530	110	5040	
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	
Magnesium, Total	ug/L	121000	31400	46000	
Manganese, Total	ug/L	380	<10	37	
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	
Nitrogen, Nitrate	mg/L	<0.1	0.16	<0.1	
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	
Potassium, Total	ug/L	11200	1820	2960	
Silica, Total	ug/L	#N/A	#N/A	#N/A	
Sodium, Total	ug/L	331000	20500	67100	
Sulfide	mg/L	#N/A	#N/A	#N/A	
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-12D	MW-12D1	MW-13S	MW-13D
Sample Date		5/9/2024	5/9/2024	5/3/2024	5/3/2024
Pace Lab ID		50372695002	50372695001	50372183002	50372183003
Static Water Elevation		644.20	630.95	658.82	658.83
Field Parameters					
Temperature, Field	Degrees C	15.84	16.47	16.65	16.59
Dissolved Oxygen, Field	mg/L	0.06	2.57	0.20	0.13
Conductivity, Field	uS/cm	2817.46	2049.55	1711.90	1877.05
ORP, Field	mV	-138.61	-118.04	-115.35	-142.36
pH, Field	S.U.	7.14	7.38	7.37	7.56
Turbidity, Field	NTU	0.38	2.25	0.00	0.00
Appendix III Constituents					
Boron, Total	ug/L	1800	4790	12000	13300
Calcium, Total	ug/L	269000	221000	213000	272000
Chloride	mg/L	543	267	229	246
Fluoride	mg/L	1.10	1.10	0.78	0.55
Sulfate	mg/L	598	529	523	664
Total Dissolved Solids	mg/L	2000	1530	1370	1600
pH at 25 Degrees C	Degrees C	6.2	7.2	7.2	7.4
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	121	218	319	255
Barium, Total	ug/L	49	74	47	33
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	59.6	82.7	60.4	73.2
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	73.4	121	342	304
Molybdenum, Dissolved	ug/L	78.4	127	348	308
Radium-226	pCi/L	0.7	<0	<0.244	<0.158
Radium-228	pCi/L	1.2	0.5	0.8	0.8
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	1.8	<0.47	1.1	0.9
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	304	315	323	235
Alkalinity,Bicarbonate (CaCO3)	mg/L	304	315	323	235
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	<4	2.9	2.2	2.9
Iron, Total	ug/L	4300	3870	1630	2450
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	65500	63000	49200	47900
Manganese, Total	ug/L	782	448	455	196
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	12200	11400	13500	16600
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	304000	171000	183000	184000
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-14D	MW-14I	MW-14IL	MW-14D1
Sample Date		5/8/2024	5/8/2024	5/8/2024	5/8/2024
Pace Lab ID		50372547004	50372547001	50372547002	50372547003
Static Water Elevation		657.53	650.30	614.53	609.24
Field Parameters					
Temperature, Field	Degrees C	16.02	17.94	17.54	16.40
Dissolved Oxygen, Field	mg/L	0.25	0.23	0.10	1.57
Conductivity, Field	uS/cm	3505.46	2751.98	798.54	799.82
ORP, Field	mV	-138.40	-113.55	-169.19	-143.68
pH, Field	S.U.	7.78	7.17	7.40	7.39
Turbidity, Field	NTU	0.00	8.57	36.21	7.17
Appendix III Constituents					
Boron, Total	ug/L	50100	39100	278	236
Calcium, Total	ug/L	373000	484000	98800	99500
Chloride	mg/L	206	179	116	119
Fluoride	mg/L	0.24	0.37	0.26	0.24
Sulfate	mg/L	2210	1730	76.4	70.9
Total Dissolved Solids	mg/L	3720	2900	540	535
pH at 25 Degrees C	Degrees C	7.5	7.0	7.3	7.5
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	136	2.2	25.8	25.6
Barium, Total	ug/L	41	34	356	366
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	587	506	<20	<20
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	198	129	<10	<10
Molybdenum, Dissolved	ug/L	187	121	<10	<10
Radium-226	pCi/L	<-0.059	<0.158	1.5	1.2
Radium-228	pCi/L	1.1	1.6	0.7	1.0
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	1.1	1.8	2.2	2.1
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	315	273	280	280
Alkalinity,Bicarbonate (CaCO3)	mg/L	315	273	280	280
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	3.4	2.3	2.3	3.0
Iron, Total	ug/L	2400	8130	5450	5270
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	223000	144000	25900	25600
Manganese, Total	ug/L	289	566	274	151
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	57300	34300	3300	3540
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	484000	239000	73300	70300
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-15S	MW-15I	MW-15D	MW-16S
Sample Date		5/10/2024	5/10/2024	5/10/2024	5/1/2024
Pace Lab ID		50372871006	50372871007	50372871008	50371989001
Static Water Elevation		666.33	666.37	666.25	658.20
Field Parameters					
Temperature, Field	Degrees C	14.00	15.88	16.03	14.65
Dissolved Oxygen, Field	mg/L	10.02	0.43	0.30	0.22
Conductivity, Field	uS/cm	556.07	635.90	579.29	1271.52
ORP, Field	mV	125.58	123.78	-74.95	#N/A
pH, Field	S.U.	7.44	7.22	7.23	#N/A
Turbidity, Field	NTU	12.91	0.00	2.21	0.00
Appendix III Constituents					
Boron, Total	ug/L	105	119	149	437
Calcium, Total	ug/L	90600	112000	101000	118000
Chloride	mg/L	23	21	20	242
Fluoride	mg/L	0.13	<0.1	<0.1	0.46
Sulfate	mg/L	54.6	46.9	65.2	178
Total Dissolved Solids	mg/L	433	479	414	856
pH at 25 Degrees C	Degrees C	7.2	7.2	7.2	6.9
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	<1	<1	1	<1
Barium, Total	ug/L	40	68	64	85
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	1.1	<1	1.3
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	<20	<20	<20	26.0
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	<10	<10	<10	156
Molybdenum, Dissolved	ug/L	<10	<10	<10	157
Radium-226	pCi/L	<0.271	0.3	0.6	0.5
Radium-228	pCi/L	<0.147	<-0.0595	0.6	0.5
Selenium, Total	ug/L	1.2	3.3	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	<0.418	<0.341	1.3	1.1
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	274	359	349	290
Alkalinity,Bicarbonate (CaCO3)	mg/L	274	359	349	290
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	1.6	<1	<1	2.4
Iron, Total	ug/L	<100	<100	1420	<100
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	23300	29900	29900	27500
Manganese, Total	ug/L	<10	23	97	500
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	6.20	3.30	<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	1410	1540	2030	7480
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	18600	13900	19200	148000
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-16D	MW-17S	MW-17I	MW-17IL
Sample Date		5/1/2024	4/30/2024	5/2/2024	5/2/2024
Pace Lab ID		50371989002	0	50372105001	50372105004
Static Water Elevation		657.22	#VALUE!	650.95	628.60
Field Parameters					
Temperature, Field	Degrees C	16.00		15.79	17.10
Dissolved Oxygen, Field	mg/L	0.63		1.67	0.13
Conductivity, Field	uS/cm	1426.56		878.10	875.13
ORP, Field	mV	#N/A		-100.47	-126.40
pH, Field	S.U.	#N/A		7.44	7.34
Turbidity, Field	NTU	3.68		0.00	0.00
Appendix III Constituents					
Boron, Total	ug/L	1640		146	188
Calcium, Total	ug/L	222000		87900	90400
Chloride	mg/L	161		152	143
Fluoride	mg/L	0.51		0.31	0.29
Sulfate	mg/L	494		97.5	87.7
Total Dissolved Solids	mg/L	1080		574	490
pH at 25 Degrees C	Degrees C	6.9		7.6	7.5
Appendix IV Constituents					
Antimony, Total	ug/L	<1		<1	<1
Arsenic, Total	ug/L	45.4		2.9	3.0
Barium, Total	ug/L	246		160	250
Beryllium, Total	ug/L	<0.2		<0.2	<0.2
Cadmium, Total	ug/L	<2		<2	<2
Chromium, Total	ug/L	<10		<10	<10
Cobalt, Total	ug/L	<1		<1	<1
Lead, Total	ug/L	<10		<10	<10
Lithium, Total	ug/L	<20		<20	<20
Mercury	ug/L	<0.2		<0.2	<0.2
Molybdenum, Total	ug/L	12.1	DRY	<10	<10
Molybdenum, Dissolved	ug/L	12.6		<10	<10
Radium-226	pCi/L	0.5		1.19	2.37
Radium-228	pCi/L	<0.353		0.43	0.81
Selenium, Total	ug/L	<1		<1	<1
Thallium, Total	ug/L	<1		<1	<1
Total Radium	pCi/L	0.8		1.62	3.18
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	274		261	273
Alkalinity,Bicarbonate (CaCO3)	mg/L	274		261	273
Alkalinity,Carbonate (CaCO3)	mg/L	<10		<10	<10
Aluminum, Total	ug/L	#N/A		#N/A	#N/A
Dissolved Organic Carbon	mg/L	4.3		1.7	1.9
Iron, Total	ug/L	12500		1880	2310
Iron, Ferrous	mg/L	#N/A		#N/A	#N/A
Iron, Dissolved	ug/L	#N/A		#N/A	#N/A
Magnesium, Total	ug/L	67700		25500	23600
Manganese, Total	ug/L	2610		309	282
Manganese, Dissolved	ug/L	#N/A		#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1		<0.1	0.29
Nitrogen, Nitrite	mg/L	#N/A		#N/A	#N/A
Phosphate as P04	mg/L	#N/A		#N/A	#N/A
Potassium, Total	ug/L	3620		6050	6600
Silica, Total	ug/L	#N/A		#N/A	#N/A
Sodium, Total	ug/L	52700		88600	83200
Sulfide	mg/L	#N/A		#N/A	#N/A
Total Organic Carbon	mg/L	#N/A		#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-17D	MW-18S	MW-18I	MW-18D
Sample Date		5/2/2024	5/2/2024	5/1/2024	5/2/2024
Pace Lab ID		50372105005	50372105006	50371989003	50372105007
Static Water Elevation		627.69	627.13	627.33	627.39
Field Parameters					
Temperature, Field	Degrees C	17.44	17.90	17.13	18.39
Dissolved Oxygen, Field	mg/L	2.20	0.08	0.07	0.10
Conductivity, Field	uS/cm	885.02	887.66	946.34	1049.64
ORP, Field	mV	-105.00	-115.93	-172.38	-143.33
pH, Field	S.U.	7.37	7.23	7.36	7.23
Turbidity, Field	NTU	0.29	0.00	0.01	1.32
Appendix III Constituents					
Boron, Total	ug/L	196	258	376	568
Calcium, Total	ug/L	85900	83600	92200	129000
Chloride	mg/L	150	174	167	204
Fluoride	mg/L	0.29	0.22	0.17	<0.1
Sulfate	mg/L	90.7	78.6	78.0	80.2
Total Dissolved Solids	mg/L	579	605	620	738
pH at 25 Degrees C	Degrees C	7.4	7.4	7.1	7.4
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	3.7	1.3	2.3	20.2
Barium, Total	ug/L	221	278	451	514
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	<20	<20	<20	<20
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	<10	<10	<10	<10
Molybdenum, Dissolved	ug/L	<10	<10	<10	<10
Radium-226	pCi/L	1.81	1.36	2.37	1.05
Radium-228	pCi/L	0.37	0.81	1.90	<0.273
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	2.18	2.17	4.27	1.32
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	276	511	295	367
Alkalinity,Bicarbonate (CaCO3)	mg/L	276	511	295	367
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	2.0	4.0	2.8	3.4
Iron, Total	ug/L	2320	1400	2800	5950
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	23900	26300	29500	35600
Manganese, Total	ug/L	336	287	121	63
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	0.12	0.25	<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	6700	8150	9110	5430
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	93400	103000	97500	91800
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	M-4	PZ-100S	PZ-100D	PZ-101S
Sample Date		5/21/2024	5/15/2024	5/20/2024	5/15/2024
Pace Lab ID		50373759001	50373213003	50373655001	50373213001
Static Water Elevation		657.08	645.97	628.96	634.00
Field Parameters					
Temperature, Field	Degrees C	18.58	16.93	20.26	16.36
Dissolved Oxygen, Field	mg/L	0.00	0.34	#N/A	0.24
Conductivity, Field	uS/cm	2128.38	1849.00	1714.29	1542.12
ORP, Field	mV	-176.02	-107.67	-188.45	-92.64
pH, Field	S.U.	7.48	7.32	7.73	6.89
Turbidity, Field	NTU	1.51	0.00	4.49	0.00
Appendix III Constituents					
Boron, Total	ug/L	24800	2400	5810	2330
Calcium, Total	ug/L	377000	184000	236000	273000
Chloride	mg/L	136	346	259	104
Fluoride	mg/L	0.25	1.70	0.64	0.21
Sulfate	mg/L	1040	466	513	626
Total Dissolved Solids	mg/L	1860	1520	1540	1490
pH at 25 Degrees C	Degrees C	7.3	7.2	7.3	7.4
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	749	3.2	187	8.4
Barium, Total	ug/L	168	36	59	91
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	279	47.6	73.6	45.4
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	239	122	115	29.3
Molybdenum, Dissolved	ug/L	230	119	115	26.4
Radium-226	pCi/L	1.45	0.47	0.86	0.95
Radium-228	pCi/L	0.75	0.47	0.71	0.44
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	2.20	0.95	1.57	1.39
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	288	313	301	461
Alkalinity,Bicarbonate (CaCO3)	mg/L	288	313	301	461
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	4.5	<4	<4	3.1
Iron, Total	ug/L	5490	2490	3170	10200
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	44500	60500	64200	84900
Manganese, Total	ug/L	929	365	198	355
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	27000	9870	11100	11000
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	130000	213000	152000	82300
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	PZ-101D	MW-102S	MW-102D	MW-103S
Sample Date		5/15/2024	4/30/2024	5/20/2024	5/13/2024
Pace Lab ID		50373213002	0	50373655003	50372994001
Static Water Elevation		#VALUE!	619.61	617.46	665.98
Field Parameters					
Temperature, Field	Degrees C	16.25		#N/A	15.97
Dissolved Oxygen, Field	mg/L	0.51		0.04	0.33
Conductivity, Field	uS/cm	1907.67		1205.54	1572.44
ORP, Field	mV	-93.18		-147.32	-85.97
pH, Field	S.U.	7.10		7.50	6.81
Turbidity, Field	NTU	5.72		8.99	0.18
Appendix III Constituents					
Boron, Total	ug/L	2420		23300	848
Calcium, Total	ug/L	283000		368000	263000
Chloride	mg/L	253		141	72
Fluoride	mg/L	0.21		0.18	0.23
Sulfate	mg/L	578		1170	367
Total Dissolved Solids	mg/L	1730		2030	1270
pH at 25 Degrees C	Degrees C	7.2		7.3	6.9
Appendix IV Constituents					
Antimony, Total	ug/L	<1		<1	<1
Arsenic, Total	ug/L	7.5		46.1	24.7
Barium, Total	ug/L	82		55	62
Beryllium, Total	ug/L	<0.2		<0.2	<0.2
Cadmium, Total	ug/L	<2		<2	<2
Chromium, Total	ug/L	<10		<10	<10
Cobalt, Total	ug/L	<1		<1	1.6
Lead, Total	ug/L	<10		<10	<10
Lithium, Total	ug/L	68.0		137	<20
Mercury	ug/L	<0.2		<0.2	<0.2
Molybdenum, Total	ug/L	101	DRY	541	24.3
Molybdenum, Dissolved	ug/L	96.4		536	24.7
Radium-226	pCi/L	<-0.298		<0.194	0.8
Radium-228	pCi/L	0.99		1.1	0.7
Selenium, Total	ug/L	<1		<1	<1
Thallium, Total	ug/L	<1		<1	<1
Total Radium	pCi/L	0.99		1.3	1.5
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	430		102	661
Alkalinity,Bicarbonate (CaCO3)	mg/L	430		102	661
Alkalinity,Carbonate (CaCO3)	mg/L	<10		<10	<10
Aluminum, Total	ug/L	#N/A		#N/A	#N/A
Dissolved Organic Carbon	mg/L	<4		2.0	5.1
Iron, Total	ug/L	5860		7540	18100
Iron, Ferrous	mg/L	#N/A		#N/A	#N/A
Iron, Dissolved	ug/L	#N/A		#N/A	#N/A
Magnesium, Total	ug/L	68000		53200	76700
Manganese, Total	ug/L	530		743	325
Manganese, Dissolved	ug/L	#N/A		#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1		<0.1	<0.1
Nitrogen, Nitrite	mg/L	#N/A		#N/A	#N/A
Phosphate as P04	mg/L	#N/A		#N/A	#N/A
Potassium, Total	ug/L	14900		13500	2000
Silica, Total	ug/L	#N/A		#N/A	#N/A
Sodium, Total	ug/L	156000		160000	45300
Sulfide	mg/L	#N/A		#N/A	#N/A
Total Organic Carbon	mg/L	#N/A		#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-103I	MW-103D	MW-104S	MW-104D
Sample Date		5/13/2024	5/13/2024	4/30/2024	5/17/2024
Pace Lab ID		50372994002	50372994003	0	50373639001
Static Water Elevation		616.44	613.42	#VALUE!	#VALUE!
Field Parameters					
Temperature, Field	Degrees C	16.50	17.41		18.75
Dissolved Oxygen, Field	mg/L	0.73	1.67		2.45
Conductivity, Field	uS/cm	1083.31	1023.16		1645.90
ORP, Field	mV	-105.97	-123.30		-37.76
pH, Field	S.U.	7.22	7.44		7.00
Turbidity, Field	NTU	1.21	0.20		23.39
Appendix III Constituents					
Boron, Total	ug/L	385	359		2990
Calcium, Total	ug/L	105000	90500		235000
Chloride	mg/L	207	225		203
Fluoride	mg/L	0.19	0.14		0.21
Sulfate	mg/L	32.2	16.5		567
Total Dissolved Solids	mg/L	710	659		1460
pH at 25 Degrees C	Degrees C	7.2	7.2		7.1
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1		<1
Arsenic, Total	ug/L	<1	<1		1.9
Barium, Total	ug/L	272	346		51
Beryllium, Total	ug/L	<0.2	<0.2		<0.2
Cadmium, Total	ug/L	<2	<2		<2
Chromium, Total	ug/L	<10	<10		<10
Cobalt, Total	ug/L	<1	<1		<1
Lead, Total	ug/L	<10	<10		<10
Lithium, Total	ug/L	<20	<20		54.0
Mercury	ug/L	<0.2	<0.2		<0.2
Molybdenum, Total	ug/L	<10	<10	DRY	17.7
Molybdenum, Dissolved	ug/L	<10	<10		18.1
Radium-226	pCi/L	1.7	1.0		0.4
Radium-228	pCi/L	1.2	0.9		<0.388
Selenium, Total	ug/L	<1	<1		1.4
Thallium, Total	ug/L	<1	<1		<1
Total Radium	pCi/L	3.0	1.8		<0.761
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	299	279		359
Alkalinity,Bicarbonate (CaCO3)	mg/L	299	279		359
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10		<10
Aluminum, Total	ug/L	#N/A	#N/A		#N/A
Dissolved Organic Carbon	mg/L	<4	<4		2.2
Iron, Total	ug/L	1670	2140		2210
Iron, Ferrous	mg/L	#N/A	#N/A		#N/A
Iron, Dissolved	ug/L	#N/A	#N/A		#N/A
Magnesium, Total	ug/L	30200	30500		65400
Manganese, Total	ug/L	343	129		679
Manganese, Dissolved	ug/L	#N/A	#N/A		#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1		0.19
Nitrogen, Nitrite	mg/L	#N/A	#N/A		#N/A
Phosphate as P04	mg/L	#N/A	#N/A		#N/A
Potassium, Total	ug/L	8300	5380		11700
Silica, Total	ug/L	#N/A	#N/A		#N/A
Sodium, Total	ug/L	98400	93600		144000
Sulfide	mg/L	#N/A	#N/A		#N/A
Total Organic Carbon	mg/L	#N/A	#N/A		#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-105S	MW-105I	MW-105D	MW-106S
Sample Date		5/16/2024	5/16/2024	5/17/2024	5/13/2024
Pace Lab ID		50373421002	50373421001	50373639008	50372994004
Static Water Elevation		636.30	609.74	614.29	637.84
Field Parameters					
Temperature, Field	Degrees C	17.06	16.39	15.55	22.43
Dissolved Oxygen, Field	mg/L	1.69	0.08	0.39	0.06
Conductivity, Field	uS/cm	2970.87	1041.82	1182.74	1237.25
ORP, Field	mV	-88.47	-120.15	-103.24	105.55
pH, Field	S.U.	7.11	7.26	7.29	7.24
Turbidity, Field	NTU	7.65	14.28	82.41	5.09
Appendix III Constituents					
Boron, Total	ug/L	27300	244	1640	369
Calcium, Total	ug/L	388000	98300	110000	267000
Chloride	mg/L	177	126	119	18
Fluoride	mg/L	0.34	0.17	0.30	0.45
Sulfate	mg/L	1260	80.0	150	879
Total Dissolved Solids	mg/L	2180	546	675	1510
pH at 25 Degrees C	Degrees C	7.0	7.2	6.9	7.4
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	6.1	<1	3.7	<1
Barium, Total	ug/L	32	288	255	19
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	1.1
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	356.0	<20	23.9	28.1
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	75.9	<10	12.3	14.7
Molybdenum, Dissolved	ug/L	75.2	<10	13.5	15.7
Radium-226	pCi/L	0.8	1.7	1.0	<0.231
Radium-228	pCi/L	0.9	0.8	1.2	<0.264
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	1.6	2.6	2.2	<0.495
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	260	274	275	194
Alkalinity,Bicarbonate (CaCO3)	mg/L	260	274	275	194
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	1.9	2.5	3.0	2.0
Iron, Total	ug/L	9500	4410	4380	<100
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	99900	24200	28600	105000
Manganese, Total	ug/L	199	134	126	1030
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1	0.10	<0.1
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	18200	5310	5540	6460
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	155000	69500	74500	19900
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-106I	MW-106D	MW-107S	MW-107I
Sample Date		5/13/2024	5/13/2024	5/16/2024	5/16/2024
Pace Lab ID		50372994005	50372994006	50373421004	50373421005
Static Water Elevation		610.56	609.23	650.16	622.05
Field Parameters					
Temperature, Field	Degrees C	24.62	25.57	14.29	17.40
Dissolved Oxygen, Field	mg/L	0.16	0.10	0.07	0.18
Conductivity, Field	uS/cm	1499.46	1488.37	1503.75	1647.23
ORP, Field	mV	-124.80	-128.39	-115.73	50.68
pH, Field	S.U.	7.38	7.50	7.41	7.14
Turbidity, Field	NTU	5.43	0.18	0.00	0.00
Appendix III Constituents					
Boron, Total	ug/L	11100	12300	3320	6970
Calcium, Total	ug/L	226000	225000	193000	196000
Chloride	mg/L	249	227	174	196
Fluoride	mg/L	0.40	0.31	0.73	0.57
Sulfate	mg/L	514	587	614	608
Total Dissolved Solids	mg/L	1440	1450	1250	1420
pH at 25 Degrees C	Degrees C	7.1	7.2	7.2	7.3
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	<1
Arsenic, Total	ug/L	110	148	<1	<1
Barium, Total	ug/L	60	29	16	31
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2
Cadmium, Total	ug/L	<2	<2	<2	<2
Chromium, Total	ug/L	<10	<10	<10	<10
Cobalt, Total	ug/L	<1	<1	<1	<1
Lead, Total	ug/L	<10	<10	<10	<10
Lithium, Total	ug/L	81.3	88.2	64.9	51.5
Mercury	ug/L	<0.2	<0.2	<0.2	<0.2
Molybdenum, Total	ug/L	352	249	60.7	112
Molybdenum, Dissolved	ug/L	358	260	57.5	111
Radium-226	pCi/L	<0.0597	<0.436	0.7	<-0.131
Radium-228	pCi/L	1.0	0.8	0.9	0.6
Selenium, Total	ug/L	<1	<1	<1	<1
Thallium, Total	ug/L	<1	<1	<1	<1
Total Radium	pCi/L	1.0	1.2	1.5	<0.612
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	254	253	213	219
Alkalinity,Bicarbonate (CaCO3)	mg/L	254	253	213	219
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	<10
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Dissolved Organic Carbon	mg/L	<4	<4	1.7	1.8
Iron, Total	ug/L	5230	3750	1540	<100
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	#N/A
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Magnesium, Total	ug/L	46500	49500	72200	66300
Manganese, Total	ug/L	401	327	382	346
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	#N/A
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	0.26
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	#N/A
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	#N/A
Potassium, Total	ug/L	14500	12500	9800	9170
Silica, Total	ug/L	#N/A	#N/A	#N/A	#N/A
Sodium, Total	ug/L	174000	177000	128000	165000
Sulfide	mg/L	#N/A	#N/A	#N/A	#N/A
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-107D	MW-108S	MW-108D	MW-109S
Sample Date		5/16/2024	5/20/2024	5/21/2024	4/30/2024
Pace Lab ID		50373421006	50373655005	50373760001	0
Static Water Elevation		622.74	#VALUE!	#VALUE!	641.10
Field Parameters					
Temperature, Field	Degrees C	18.43	#N/A	#N/A	
Dissolved Oxygen, Field	mg/L	0.12	0.14	0.04	
Conductivity, Field	uS/cm	1645.18	1343.78	1046.72	
ORP, Field	mV	-119.06	-71.63	-113.52	
pH, Field	S.U.	7.28	7.11	7.35	
Turbidity, Field	NTU	20.03	0.33	0.00	
Appendix III Constituents					
Boron, Total	ug/L	6040	3060	5550	
Calcium, Total	ug/L	222000	284000	236000	
Chloride	mg/L	189	217	244	
Fluoride	mg/L	0.49	0.76	0.62	
Sulfate	mg/L	714	819	673	
Total Dissolved Solids	mg/L	1450	1820	1390	
pH at 25 Degrees C	Degrees C	7.2	6.6	6.6	
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	
Arsenic, Total	ug/L	1.5	<1	<1	
Barium, Total	ug/L	54	31	39	
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	
Cadmium, Total	ug/L	<2	<2	<2	
Chromium, Total	ug/L	<10	<10	<10	
Cobalt, Total	ug/L	<1	<1	<1	
Lead, Total	ug/L	<10	<10	<10	
Lithium, Total	ug/L	55.9	76.6	67.0	
Mercury	ug/L	<0.2	<0.2	<0.2	
Molybdenum, Total	ug/L	86.1	118	128	DRY
Molybdenum, Dissolved	ug/L	80.7	118	128	
Radium-226	pCi/L	0.5	<-0.248	<0.301	
Radium-228	pCi/L	0.8	0.5	<0.244	
Selenium, Total	ug/L	<1	<1	<1	
Thallium, Total	ug/L	<1	<1	<1	
Total Radium	pCi/L	1.3	<0.457	<0.545	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	221	318	263	
Alkalinity,Bicarbonate (CaCO3)	mg/L	221	318	263	
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	
Dissolved Organic Carbon	mg/L	2.1	<4	<4	
Iron, Total	ug/L	3730	3910	5400	
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	
Magnesium, Total	ug/L	67700	96000	63200	
Manganese, Total	ug/L	342	557	426	
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	
Potassium, Total	ug/L	10400	13200	11400	
Silica, Total	ug/L	#N/A	#N/A	#N/A	
Sodium, Total	ug/L	159000	148000	139000	
Sulfide	mg/L	#N/A	#N/A	#N/A	
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-109I	MW-109D	MW-110S	MW-110I
Sample Date		5/17/2024	5/17/2024	5/16/2024	4/30/2024
Pace Lab ID		50373639004	50373639007	50373421007	0
Static Water Elevation		627.77	627.66	626.64	#VALUE!
Field Parameters					
Temperature, Field	Degrees C	#N/A	14.68	20.36	
Dissolved Oxygen, Field	mg/L	0.00	8.88	4.38	
Conductivity, Field	uS/cm	759.98	962.02	1617.44	
ORP, Field	mV	-37.86	-136.70	-128.79	
pH, Field	S.U.	6.63	6.18	5.91	
Turbidity, Field	NTU	8.36	3.34	2.14	
Appendix III Constituents					
Boron, Total	ug/L	857	746	1400	
Calcium, Total	ug/L	182000	89800	186000	
Chloride	mg/L	84	107	104	
Fluoride	mg/L	<0.1	0.16	0.17	
Sulfate	mg/L	194	65.8	339	
Total Dissolved Solids	mg/L	874	519	960	
pH at 25 Degrees C	Degrees C	7.0	6.9	7.4	
Appendix IV Constituents					
Antimony, Total	ug/L	<1	<1	<1	
Arsenic, Total	ug/L	3.1	1.7	1.6	
Barium, Total	ug/L	181	76	43	
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	
Cadmium, Total	ug/L	<2	<2	<2	
Chromium, Total	ug/L	<10	<10	<10	
Cobalt, Total	ug/L	<1	<1	<1	
Lead, Total	ug/L	<10	<10	<10	
Lithium, Total	ug/L	<20	<20	26	
Mercury	ug/L	<0.2	<0.2	<0.2	
Molybdenum, Total	ug/L	<10	<10	13.3	DRY
Molybdenum, Dissolved	ug/L	<10	<10	12.4	
Radium-226	pCi/L	1.2	<0	<0.589	
Radium-228	pCi/L	0.7	<0.382	<-0.0599	
Selenium, Total	ug/L	<1	<1	<1	
Thallium, Total	ug/L	<1	<1	<1	
Total Radium	pCi/L	1.9	<0.382	<0.589	
Geochemical Constituents					
Alkalinity, Total as CaCO3	mg/L	485	258	391	
Alkalinity,Bicarbonate (CaCO3)	mg/L	485	258	391	
Alkalinity,Carbonate (CaCO3)	mg/L	<10	<10	<10	
Aluminum, Total	ug/L	#N/A	#N/A	#N/A	
Dissolved Organic Carbon	mg/L	5.2	2.6	2.2	
Iron, Total	ug/L	8380	1720	2750	
Iron, Ferrous	mg/L	#N/A	#N/A	#N/A	
Iron, Dissolved	ug/L	#N/A	#N/A	#N/A	
Magnesium, Total	ug/L	45900	22200	51600	
Manganese, Total	ug/L	719	79	619	
Manganese, Dissolved	ug/L	#N/A	#N/A	#N/A	
Nitrogen, Nitrate	mg/L	<0.1	<0.1	<0.1	
Nitrogen, Nitrite	mg/L	#N/A	#N/A	#N/A	
Phosphate as P04	mg/L	#N/A	#N/A	#N/A	
Potassium, Total	ug/L	4890	2660	5140	
Silica, Total	ug/L	#N/A	#N/A	#N/A	
Sodium, Total	ug/L	50900	59400	73100	
Sulfide	mg/L	#N/A	#N/A	#N/A	
Total Organic Carbon	mg/L	#N/A	#N/A	#N/A	

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 5
Summary of Monitoring Results - May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Well ID	Units	MW-110D
Sample Date		5/16/2024
Pace Lab ID		50373421008
Static Water Elevation		579.93
Field Parameters		
Temperature, Field	Degrees C	21.81
Dissolved Oxygen, Field	mg/L	6.18
Conductivity, Field	uS/cm	1791.59
ORP, Field	mV	-138.25
pH, Field	S.U.	6.13
Turbidity, Field	NTU	20.17
Appendix III Constituents		
Boron, Total	ug/L	3380
Calcium, Total	ug/L	159000
Chloride	mg/L	218
Fluoride	mg/L	0.25
Sulfate	mg/L	355
Total Dissolved Solids	mg/L	1070
pH at 25 Degrees C	Degrees C	7.6
Appendix IV Constituents		
Antimony, Total	ug/L	<1
Arsenic, Total	ug/L	1.4
Barium, Total	ug/L	58
Beryllium, Total	ug/L	<0.2
Cadmium, Total	ug/L	<2
Chromium, Total	ug/L	<10
Cobalt, Total	ug/L	1
Lead, Total	ug/L	<10
Lithium, Total	ug/L	67
Mercury	ug/L	<0.2
Molybdenum, Total	ug/L	145.0
Molybdenum, Dissolved	ug/L	142.0
Radium-226	pCi/L	<0.388
Radium-228	pCi/L	0.5
Selenium, Total	ug/L	<1
Thallium, Total	ug/L	<1
Total Radium	pCi/L	0.9
Geochemical Constituents		
Alkalinity, Total as CaCO3	mg/L	287
Alkalinity,Bicarbonate (CaCO3)	mg/L	287
Alkalinity,Carbonate (CaCO3)	mg/L	<10
Aluminum, Total	ug/L	#N/A
Dissolved Organic Carbon	mg/L	2.3
Iron, Total	ug/L	1760
Iron, Ferrous	mg/L	#N/A
Iron, Dissolved	ug/L	#N/A
Magnesium, Total	ug/L	50500
Manganese, Total	ug/L	272
Manganese, Dissolved	ug/L	#N/A
Nitrogen, Nitrate	mg/L	<0.1
Nitrogen, Nitrite	mg/L	#N/A
Phosphate as P04	mg/L	#N/A
Potassium, Total	ug/L	9790
Silica, Total	ug/L	#N/A
Sodium, Total	ug/L	121000
Sulfide	mg/L	#N/A
Total Organic Carbon	mg/L	#N/A

Notes:
ft MSL: Elevation, feet mean sea level
°C: Degrees celcius
uS/cm: microsiemen per centimeter
umhos/cm: micromhos per centimeter
#NA: Not analyzed
NM: Not Measured
NS: Not Sampled
mV: millivolt
Std. Units: standard units
mg/L: milligram per liter
ug/L: microgram per liter
pCi/L: picoCurie per liter
Static water elevation listed for a well may have been collected on a date different than date of well sampling.

Table 6
Groundwater Protection Standards -
November 2023 and May 2024
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station
Indianapolis, Indiana
Atlas Project No. 170AES0002

Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
Units	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
Shallow Zone GWPS	6	10	2000	4	5	100	6	4	15	40	2	100	50	2	5
Intermediate Zone GWPS	6	10	2000	4	5	100	6	4	15	40	2	100	50	2	5
Deep Zone GWPS	6	10	2000	4	5	100	6	4	15	40	2	100	50	2	5

Notes:
ug/L = micrograms per liter (ppb)
mg/L = milligrams per liter (ppm)
pCi/L = picoCuries per liter
GWPS = Groundwater Protection Standard

Appendix A: Gauging Data and Groundwater Flow Rate Calculations

Table A-1
Gauging Summary
April 30 - May 1, 2024
AES Indiana
Harding Street Generating Station
Atlas Project No. 170AES0002

Well	Date	Time	DTW, from top of Reference Point	Reference Point Elevation (TOC)		SWE, ft MSL	Notes
Existing CCR Well Network							
MW-1S	4/30/2024	12:05	13.28	675.33		662.05	
MW-1D	4/30/2024	12:03	13.03	675.17		662.14	
MW-2S	4/30/2024		26.66	684.99		658.33	
MW-2IL	4/30/2024		26.56	688.86		662.30	
MW-2D	4/30/2024		26.89	685.20		658.31	
MW-2D1	4/30/2024		26.07	688.84		662.77	
MW-3S	4/30/2024		Dry (26.97)	688.98		<662.01	
MW-3D	4/30/2024		30.65	688.82		658.17	
MW-4SR	4/30/2024		Dry (42.53)	688.29		<645.76	
MW-4I	4/30/2024		43.04	688.64		645.60	
MW-4D	4/30/2024		42.95	688.58		645.63	
MW-5S	4/30/2024		34.06	689.43		655.37	
MW-5D	4/30/2024		42.36	687.69		645.33	
MW-6S	4/30/2024		35.06	695.67		660.61	
MW-6I	4/30/2024		34.62	694.56		659.94	
MW-6D	4/30/2024		67.43	694.45		627.02	
MW-7S	4/30/2024		39.18	696.76		657.58	
MW-7D	4/30/2024		38.78	696.29		657.51	
MW-7D1	4/30/2024		68.11	695.04		626.93	
MW-8S	4/30/2024		14.99	672.78		657.79	
MW-8D	4/30/2024	9:55	18.18	670.82		652.64	
MW-9S	4/30/2024	9:53	35.61	689.02		653.41	
MW-9SR	4/30/2024		45.7	688.03		642.33	
MW-9I	4/30/2024		46.22	689.11		642.89	
MW-9D	4/30/2024		45.31	689.27		643.96	
MW-10S	4/30/2024		29.40	691.10		661.70	
MW-10D	4/30/2024		29.61	691.28		661.67	
MW-11S	4/30/2024		28.81	685.93		657.12	7.3 cm removed (0.239501 ft) 686.17 old TOC
MW-11D	4/30/2024		28.56	685.94		657.38	7 cm removed (0.229659 ft) 686.17 old TOC
MW-12S	4/30/2024		Dry (45.12)	688.82		<643.7	
MW-12D	4/30/2024		44.53	688.73		644.20	
MW-12D1	4/30/2024		57.12	688.07		630.95	
MW-13S	4/30/2024		37.26	696.08		658.82	
MW-13D	4/30/2024		37.95	696.78		658.83	
MW-14I	4/30/2024		47.44	697.74		650.30	
MW-14IL	4/30/2024		83.41	697.94		614.53	
MW-14D	4/30/2024		40.35	697.88		657.53	
MW-14D1	4/30/2024		88.83	698.07		609.24	
MW-15S	4/30/2024	15:34	19.13	685.46		666.33	
MW-15I	4/30/2024	15:31	19.22	685.59		666.37	
MW-15D	4/30/2024	15:27	18.95	685.20		666.25	
Nature & Extent Wells/Piezometers							
MW-16S	4/30/2024	11:55	13.95	672.15		658.20	
MW-16D	4/30/2024	11:57	15.05	672.27		657.22	
MW-17S	4/30/2024	10:24	Dry (14.15)	670.81		<656.66	
MW-17I	4/30/2024	10:22	19.89	670.84		650.95	
MW-17IL	4/30/2024	10:20	42.06	670.66		628.60	
MW-17D	4/30/2024	10:18	42.99	670.68		627.69	
MW-18S	4/30/2024	10:56	42.48	669.61		627.13	
MW-18I	4/30/2024	10:58	42.15	669.48		627.33	
MW-18D	4/30/2024	11:00	41.93	669.32		627.39	
M-4	4/30/2024		36.17	693.25		657.08	
PZ-100S	4/30/2024		35.82	681.79		645.97	
PZ-100D	4/30/2024		52.88	681.84		628.96	
PZ-101S	4/30/2024		55.36	689.36		634.00	
PZ-101D	4/30/2024		Dry (88.21)	689.40		<601.19	
MW-102S	4/30/2024	14:22	57.49	677.10		619.61	
MW-102D	4/30/2024	14:19	60.02	677.48		617.46	
MW-103S	4/30/2024	13:22	35.29	701.27		665.98	
MW-103I	4/30/2024	13:25	84.82	701.26		616.44	
MW-103D	4/30/2024	13:26	88.12	701.54		613.42	
MW-104S	4/30/2024		Dry (54.48)	676.60		<622.12	
MW-104D	4/30/2024		Dry (88.69)	677.01		<588.32	
MW-105S	4/30/2024	14:00	25.17	661.47		636.30	
MW-105I	4/30/2024	13:54	51.63	661.37		609.74	
MW-105D	4/30/2024	13:43	46.75	661.04		614.29	orange staining - iron oxide?
MW-106S	4/30/2024	14:06	33.21	671.05		637.84	
MW-106I	4/30/2024	14:08	60.49	671.05		610.56	
MW-106D	4/30/2024	14:10	61.77	671.00		609.23	
MW-107S	4/30/2024		8.07	658.23		650.16	
MW-107I	4/30/2024		36.42	658.47		622.05	
MW-107D	4/30/2024		35.81	658.55		622.74	
MW-108S	4/30/2024	14:49	Dry to pump (33.3)	642.22		<608.92	
MW-108D	4/30/2024	14:47	Dry to pump (46.9)	642.03		<595.13	
MW-109S	4/30/2024		38.03	679.13		641.10	
MW-109I	4/30/2024		51.34	679.11		627.77	
MW-109D	4/30/2024		51.37	679.03		627.66	
MW-110S	4/30/2024		53.32	679.96		626.64	
MW-110I	4/30/2024		Dry to TD (76.87)	679.79		<602.92	
MW-110D	4/30/2024		99.67	679.60		579.93	

Table A-1
Gauging Summary
April 30 - May 1, 2024
AES Indiana
Harding Street Generating Station
Atlas Project No. 170AES0002

Well	Date	Time	DTW, from top of Reference Point	Reference Point Elevation (TOC)		SWE, ft MSL	Notes
Historic Piezometers/Wells							
M-3	4/30/2024		11.62	693.58		681.96	
M-6	4/30/2024	12:11	8.28	676.52		668.24	
P-2	4/30/2024		13.92	675.73		661.81	
P-3	4/30/2024		19.65	685.67		666.02	
P-4	4/30/2024	12:33	19.32	684.53		665.21	
P-5	4/30/2024	12:28	17.97	683.75		665.78	
P-6	4/30/2024		12.58	677.49		664.91	
PZ-1	4/30/2024		Dry (44.7)	714.54		<669.84	
PZ-2	4/30/2024		Dry (47.37)	714.91		<667.54	
PZ-3	4/30/2024		48.92	713.81		664.89	
PZ-4	Not Gauged					-	
PZ-5	4/30/2024		45.91	714.52		668.61	
PZ-6	4/30/2024		53.47	688.21		634.74	
PZ-7	4/30/2024		15.46	684.73		669.27	
PZ-8	4/30/2024		Dry (14.73)	683.96		<669.23	
PZ-9	4/30/2024		Dry (34.5)	683.86		<649.36	
PZ-10	4/30/2024		Dry (34.0)	683.91		<649.91	
PZ-11	4/30/2024		Dry (25.5)	685.12		<659.62	
PZ-12	4/30/2024		36.12	709.68		673.56	
PZ-13	4/30/2024		21.83	698.01		676.18	
PZ-14	4/30/2024	Damaged/pipe missing		708.67		-	
Ash Pond Piezometers							
P1 PZ-1S	5/1/2024		13.76	687.30		673.54	
P1 PZ-1D	5/1/2024		23.96	687.25		663.29	
P2 PZ-1S	5/1/2024		54.48	717.16		662.68	
P2 PZ-1D	5/1/2024		56.43	716.33		659.90	
P2 PZ-2S	Not Gauged					-	
P2 PZ-2D	Not Gauged					-	
P2 PZ-3S	5/1/2024		55.19	718.21		663.02	
P2 PZ-3D	5/1/2024		60.55	718.19		657.64	
P2 A/B PZ-1S	5/1/2024		26.89	691.55		664.66	
P2 A/B PZ-1D	5/1/2024		30.40	691.19		660.79	
P2 A/B PZ-2S	5/1/2024		26.64	689.49		662.85	
P2 A/B PZ-2D	5/1/2024		26.63	689.06		662.43	
P3 PZ-1S	5/1/2024		10.04	680.52		670.48	
P3 PZ-1D	5/1/2024		17.57	681.15		663.58	
Drive Point Piezometers							
HA PZ-1				670.80		670.80	
HA PZ-2	4/30/2024	Damaged/Cant Gauge		670.56		-	
HA PZ-3	4/30/2024	11:17	12.27	671.08		658.81	
HA PZ-4	4/30/2024	-	Covered by tree limb	663.67		-	
HA PZ-5	4/30/2024	10:50	12.11	667.91		655.80	

Well				Reference Point Elevation (top of gage placard)	Staff Total Height (ft)*	SWE, ft MSL	Notes
Survey Shot SG-2	4/30/2024	12:00		-	-		staked 4/30/24 - unable to survey before river flooded
Survey Shot SG-3	4/30/2024	11:45		-	-		staked 4/30/24 - unable to survey before river flooded
Survey Shot SG-4	4/30/2024	11:37		-	-		staked 4/30/24 - unable to survey before river flooded
Survey Shot SG-5	4/30/2024	10:52		-	-		staked 4/30/24 - unable to survey before river flooded

	Date	Time	Gage Height Above Datum (ft)	Datum Height		SWE, ft MSL	Notes
River Gage	4/30/2024	12:00	3.14	662.73		665.87	Upstream of lowhead dam

Note: Gauging times were inadvertently not recorded by gauging personnel for the wells where a time isn't indicated. Gauging was conducted on April 30 between approximatley 9:30am and 3:00pm, and May 1 between 1:00pm and 3:00pm.

TABLE A-2
HORIZONTAL GRADIENT AND SEEPAGE VELOCITY CALCULATIONS - MAY 2024
HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

Points/Area for Calculation	Area	Flow Zone	Gauging Event	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	Horizontal Gradient - Δ H / Δ L (ft/ft)	Seepage Velocity - V (ft/yr)
P2 PZ-1D to MW-14D	Ash Pond System	Shallow	4/30/2024	1310	659.90	657.53	654.28	6.59	16.61	12	0.3	0.4995	26
M-4 to MW-106S	Quarry	Shallow	4/30/2024	550	657.08	637.84	19.24	--	68.32	68	0.3	0.035	2910
MW-6S to MW-107S	Quarry	Shallow	4/30/2024	640	660.61	650.16	10.45	175.75	--	176	0.3	0.016	3490
MW-109S to MW-110S	Quarry	Shallow	4/30/2024	1650	641.1	626.64	14.46	127.28	--	127	0.3	0.0088	1360
Ash Pond System Geometric Mean (Shallow)												**0.4995**	**26**
Quarry Geometric Mean (Shallow)												**0.017**	**2399**
MW-2IL to MW-10D	Ash Pond System	Intermediate	4/30/2024	805	662.30	661.67	0.63	27.30	86.46	57	0.3	0.0008	54
MW-2IL to MW-14	Ash Pond System	Intermediate	4/30/2024	2750	662.30	650.3	12.00	27.30	2.13	15	0.3	0.0044	78
MW-4I to MW-109I	Ash Pond System	Intermediate	4/30/2024	1200	645.60	627.77	17.83	34.48	89	62	0.3	0.0149	1120
MW-7D to MW-102S	Quarry	Intermediate	4/30/2024	570	657.51	619.61	37.90	105.17	--	105	0.3	0.066	8510
MW-10D to MW-107I	Quarry	Intermediate	4/30/2024	930	661.67	622.05	39.62	86.46	--	86	0.3	0.043	4480
Ash Pond System Geometric Mean (Intermediate)												**0.0037**	**168**
Quarry Geometric Mean (Intermediate)												**0.034**	**1952**
MW-2D1 to MW-6D	Ash Pond System	Deep	4/30/2024	1155	662.77	627.02	35.75	57.71	57.94	58	0.3	0.031	2180
MW-3D to MW-5D	Ash Pond System	Deep	4/30/2024	1070	658.17	645.33	12.84	218.27	7.92	113	0.3	0.012	1650
MW-7D1 to MW-106D	Quarry	Deep	4/30/2024	650	626.93	609.23	17.70	92.6	65.97	79	0.3	0.027	2630
MW-9D to 625 contour	Quarry	Deep	4/30/2024	480	643.96	625.00	18.96	247	-	247	0.3	0.040	11900
MW-5D to MW-107D	Quarry	Deep	4/30/2024	945	645.33	622.74	22.59	7.9	-	8	0.3	0.024	230
Ash Pond System Geometric Mean (Deep)												**0.019**	**1900**
Quarry Geometric Mean (Deep)												**0.030**	**1730**

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*

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

K value for a nearby well within the same flow zone are shown in lieu of anomolously high K data (MW-10S for MW-6S and MW-13D for MW-7D)

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

HALEY ALDRICH

Table A-3
Gauging Summary
October 30, 2024
AES Indiana
Harding Street Generating Station
Atlas Project No. 170AES0002

Well	Date	Time	DTW, from top of Reference Point	Reference Point Elevation (TOC)		SWE, ft MSL	Notes
Existing CCR Well Network							
MW-1S	10/30/2024	9:49	15.39	675.33		659.94	
MW-1D	10/30/2024	9:47	15.12	675.17		660.05	
MW-2S	10/30/2024	13:32	24.59	684.99		660.40	
MW-2IL	10/30/2024	13:34	24.80	688.86		664.06	
MW-2D	10/30/2024	13:37	31.64	685.20		653.56	
MW-2D1	10/30/2024	13:40	31.64	688.84		657.20	
MW-3S	10/30/2024	13:46	Dry to TD (34.90)	688.98		<654.08	Pulled pump to gauge
MW-3D	10/30/2024	13:48	36.18	688.82		652.64	
MW-4SR	10/30/2024	14:00	Dry to TD (42.50)	688.29		<645.79	Pulled pump to gauge
MW-4I	10/30/2024	13:55	46.85	688.64		641.79	
MW-4D	10/30/2024	13:58	46.75	688.58		641.83	
MW-5S	10/30/2024	14:35	Dry to TD (38.9)	689.43		<650.53	Pulled pump to gauge
MW-5D	10/30/2024	14:30	54.02	687.69		633.67	
MW-6S	10/30/2024	13:25	37.81	695.67		657.86	Pulled pump to gauge
MW-6I	10/30/2024	13:19	37.50	694.56		657.06	
MW-6D	10/30/2024	13:16	70.04	694.45		624.41	
MW-7S	10/30/2024	13:03	42.10	696.76		654.66	
MW-7D	10/30/2024	13:05	41.65	696.29		654.64	
MW-7D1	10/30/2024	13:07	69.90	695.04		625.14	
MW-8S	10/30/2024	10:40	18.05	672.78		654.73	
MW-8D	10/30/2024	10:43	20.48	670.82		650.34	
MW-9SR	10/30/2024	14:12	Dry to TD (45.8)	688.03		<642.23	Pulled pump to gauge
MW-9I	10/30/2024	14:13	49.80	689.11		639.31	
MW-9D	10/30/2024	14:15	50.05	689.27		639.22	
MW-10S	10/30/2024	13:27	32.89	691.10		658.21	
MW-10D	10/30/2024	13:30	33.10	691.28		658.18	
MW-11S	10/30/2024	10:50	32.12	685.93		653.81	
MW-11D	10/30/2024	10:51	35.03	685.94		650.91	
MW-12S	10/30/2024	14:25	Dry to TD (42.90)	688.82		<645.92	Pulled pump to gauge
MW-12D	10/30/2024	14:22	47.10	688.73		641.63	
MW-12D1	10/30/2024	14:20	59.39	688.07		628.68	
MW-13S	10/30/2024	13:10	39.85	696.08		656.23	
MW-13D	10/30/2024	13:12	40.60	696.78		656.18	
MW-14I	10/30/2024	10:56	44.75	697.74		652.99	
MW-14IL	10/30/2024	10:57	87.05	697.94		610.89	
MW-14D	10/30/2024	10:58	44.93	697.88		652.95	
MW-14D1	10/30/2024	10:59	87.73	698.07		610.34	
MW-15S	10/30/2024	14:02	Dry to pump (20.80)	685.46		<664.66	
MW-15I	10/30/2024	13:59	24.09	685.59		661.50	
MW-15D	10/30/2024	13:57	23.82	685.20		661.38	
Nature & Extent Wells/Piezometers							
MW-16S	10/30/2024	10:07	15.82	672.15		656.33	
MW-16D	10/30/2024	10:00	17.13	672.27		655.14	
MW-17S	10/30/2024	12:23	Dry to pump (14.15)	670.81		<656.66	
MW-17I	10/30/2024	12:21	22.41	670.84		648.43	
MW-17IL	10/30/2024	12:19	48.63	670.66		622.03	
MW-17D	10/30/2024	12:16	49.67	670.68		621.01	
MW-18S	10/30/2024	11:45	49.70	669.61		619.91	
MW-18I	10/30/2024	11:43	49.56	669.48		619.92	
MW-18D	10/30/2024	11:41	49.34	669.32		619.98	
M-4	10/30/2024	12:53	39.71	693.25		653.54	
PZ-100S	10/30/2024	9:21	38.25	681.79		643.54	
PZ-100D	10/30/2024	9:22	54.94	681.84		626.90	
PZ-101S	10/30/2024	9:18	56.70	689.36		632.66	
PZ-101D	10/30/2024	9:19	88.21	689.40		601.19	
MW-102S	10/30/2024	9:50	57.19	677.10		619.91	
MW-102D	10/30/2024	9:51	61.00	677.48		616.48	
MW-103S	10/30/2024	10:02	35.52	701.27		665.75	
MW-103I	10/30/2024	10:03	90.45	701.26		610.81	
MW-103D	10/30/2024	10:04	93.37	701.54		608.17	
MW-104S	10/30/2024	9:34	Dry to TD (62.44)	676.60		<614.16	Pulled pump to gauge
MW-104D	10/30/2024	9:35	88.85	677.01		588.16	Pulled pump to gauge
MW-105S	10/30/2024	10:13	27.75	661.47		633.72	
MW-105I	10/30/2024	10:13	54.30	661.37		607.07	
MW-105D	10/30/2024	10:13	47.10	661.04		613.94	iron oxide/orange staining
MW-106S	10/30/2024	9:55	34.10	671.05		636.95	
MW-106I	10/30/2024	9:55	62.05	671.05		609.00	
MW-106D	10/30/2024	9:55	63.97	671.00		607.03	
MW-107S	10/30/2024	9:42	10.05	658.23		648.18	
MW-107I	10/30/2024	9:42	38.69	658.47		619.78	Pulled pump to gauge
MW-107D	10/30/2024	9:42	37.52	658.55		621.03	
MW-108S	10/30/2024	10:24	34.14	642.22		608.08	Pulled pump to gauge
MW-108D	10/30/2024	10:24	47.11	642.03		594.92	Pulled pump to gauge
MW-109S	10/30/2024	9:23	38.05	679.13		641.08	
MW-109I	10/30/2024	9:24	53.20	679.11		625.91	

Table A-3
Gauging Summary
October 30, 2024
AES Indiana
Harding Street Generating Station
Atlas Project No. 170AES0002

Well	Date	Time	DTW, from top of Reference Point	Reference Point Elevation (TOC)		SWE, ft MSL	Notes
MW-109D	10/30/2024	9:25	53.23	679.03		625.80	
MW-110S	10/30/2024	9:29	54.10	679.96		625.86	
MW-110I	10/30/2024	9:30	Dry to TD (76.87)	679.79		<602.92	No pump installed
MW-110D	10/30/2024	9:31	99.48	679.60		580.12	
Historic Piezometers/Wells							
M-3	10/30/2024	12:50	15.75	693.58		677.83	
M-6	10/30/2024	13:23	Dry (10.27)	676.52		<666.25	
P-2	10/30/2024	14:38	20.25	675.73		655.48	
P-3	10/30/2024	Can't open		685.67		685.67	
P-4	10/30/2024	13:41	22.51	684.53		662.02	
P-5	10/30/2024	13:36	20.60	683.75		663.15	
P-6	10/30/2024	14:22	15.44	677.49		662.05	
PZ-1	10/30/2024	12:07	Dry (47.4)	714.54		<667.14	
PZ-2	10/30/2024	12:11	Dry (46.7)	714.91		<668.21	
PZ-3	10/30/2024	12:04	49.32	713.81		664.49	
PZ-4	Not gauged			?		-	
PZ-5	10/30/2024	12:13	41.72	714.52		672.80	
PZ-6	Not gauged			688.21		688.21	
PZ-7	10/30/2024	13:41	Dry (17.3)	684.73		<667.43	
PZ-8	10/30/2024	13:43	Dry (14.7)	683.96		<669.26	
PZ-9	10/30/2024	13:51	Dry (33.6)	683.86		<650.26	
PZ-10	10/30/2024	13:12	34.00	683.91		649.91	
PZ-11	Not gauged			685.12		-	
PZ-12	10/30/2024	12:57	37.45	709.68		672.23	
PZ-13	10/30/2024	13:00	Dry (24.9)	698.01		<673.11	
PZ-14		Damaged/pipe missing		708.67		-	
Ash Pond Piezometers							
P1 PZ-1S	10/30/2024	12:44	Dry (20.3)	687.30		<667.00	
P1 PZ-1D	10/30/2024	12:42	27.02	687.25		660.23	
P2 PZ-1S	10/30/2024	11:36	55.18	717.16		661.98	
P2 PZ-1D	10/30/2024	11:38	58.62	716.33		657.71	
P2 PZ-2S	Can't locate			707.15		-	
P2 PZ-2D	Can't locate			706.92		-	
P2 PZ-3S	10/30/2024	11:40	56.52	718.21		661.69	
P2 PZ-3D	10/30/2024	11:41	63.82	718.19		654.37	
P2 A/B PZ-1S	10/30/2024	12:24	Dry (30.4)	691.55		<661.15	
P2 A/B PZ-1D	10/30/2024	12:22	32.31	691.19		658.88	
P2 A/B PZ-2S	10/30/2024	12:17	Dry (28.3)	689.49		<661.19	
P2 A/B PZ-2D	10/30/2024	12:19	30.08	689.06		658.98	
P3 PZ-1S	10/30/2024	12:35	Dry (10.4)	680.52		<670.12	
P3 PZ-1D	10/30/2024	12:38	22.45	681.15		658.70	
Drive Point Piezometers							
HA PZ-1	Not gauged			670.80		670.80	
HA PZ-2	Damaged, can't gauge			670.56		670.56	
HA PZ-3	10/30/2024	11:02	16.83	671.08		654.25	
HA PZ-4	Can't access - tree fell and laying on piezometer			663.67		663.67	
HA PZ-5	10/30/2024	11:35	13.13	667.91		654.78	

Well				Reference Point Elevation (top of gage placard)	Staff Total Height (ft)*	SWE, ft MSL	Notes
Survey Shot SG-2	10/30/2024			-	-	pending survey	staked 10/30/2024
Survey Shot SG-3	10/30/2024			-	-	pending survey	staked 10/30/2024
Survey Shot SG-4	10/30/2024			-	-	pending survey	staked 10/30/2024
Survey Shot SG-5	10/30/2024			-	-	pending survey	staked 10/30/2024

	Date	Time	Gage Height Above Datum (ft)	Datum Height		SWE, ft MSL	Notes
River Gage	10/30/2024	12:00	1.88	662.73		664.61	Upstream of lowhead dam

TABLE A-4
HORIZONTAL GRADIENT AND SEEPAGE VELOCITY CALCULATIONS - OCTOBER 2024
HARDING STREET GENERATING STATION
INDIANAPOLIS, INDIANA

Points/Area for Calculation	Area	Flow Zone	Gauging Event	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	Horizontal Gradient - Δ H / Δ L (ft/ft)	Seepage Velocity - V (ft/yr)
P2 PZ-1D to MW-14D	Ash Pond System	Shallow	10/30/2024	1310	657.71	652.95	654.28	6.59	16.61	12	0.3	0.4995	51
M-4 to MW-106S	Quarry	Shallow	10/30/2024	550	653.54	636.95	16.59	--	68.32	68	0.3	0.030	2510
MW-6S to MW-107S	Quarry	Shallow	10/30/2024	640	657.86	648.18	9.68	175.75	--	176	0.3	0.015	3230
MW-109S to MW-110S	Quarry	Shallow	10/30/2024	1650	641.08	625.86	15.22	127.28	--	127	0.3	0.0092	1430
Ash Pond System Geometric Mean (Shallow)												**0.4995**	**51**
Quarry Geometric Mean (Shallow)												**0.016**	**2263**
MW-2IL to MW-10D	Ash Pond System	Intermediate	10/30/2024	805	664.06	658.18	5.88	27.30	86.46	57	0.3	0.0073	505
MW-2IL to MW-14	Ash Pond System	Intermediate	10/30/2024	2750	664.06	652.99	11.07	27.30	2.13	15	0.3	0.0040	72
MW-9I to PZ-101S	Ash Pond System	Intermediate	10/30/2024	750	639.31	632.66	6.65	34.48	89	62	0.3	0.0089	666
MW-7D to MW-102S	Quarry	Intermediate	10/30/2024	570	654.64	619.91	34.73	105.17	--	105	0.3	0.061	7800
MW-6I to MW-107I	Quarry	Intermediate	10/30/2024	640	657.06	619.78	37.28	86.46	--	86	0.3	0.058	6130
Ash Pond System Geometric Mean (Intermediate)												**0.0064**	**289**
Quarry Geometric Mean (Intermediate)												**0.037**	**2105**
MW-2D1 to MW-6D	Ash Pond System	Deep	10/30/2024	1155	657.20	624.41	32.79	57.71	57.94	58	0.3	0.028	2000
MW-3D to MW-5D	Ash Pond System	Deep	10/30/2024	1070	652.64	633.67	18.97	218.27	7.92	113	0.3	0.018	2440
MW-7D1 to MW-106D	Quarry	Deep	10/30/2024	650	625.14	607.03	18.11	92.6	65.97	79	0.3	0.028	2690
PZ-101D to MW-104D	Quarry	Deep	10/30/2024	1220	643.96	601.19	42.77	16	195	106	0.3	0.035	4500
MW-5D to MW-107D	Quarry	Deep	10/30/2024	945	645.33	633.67	11.66	7.9	-	8	0.3	0.012	119
Ash Pond System Geometric Mean (Deep)												**0.022**	**2210**
Quarry Geometric Mean (Deep)												**0.023**	**1060**

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*

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

K value for a nearby well within the same flow zone are shown in lieu of anomolously high K data (MW-10S for MW-6S and MW-13D for MW-7D)

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

HALEY ALDRICH

Appendix B: Laboratory Certificates of Analyses

November 2023

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

January 30, 2024

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

RE: Project: Harding Street P1R1
Pace Project No.: 50358203

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2023. 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,

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: Harding Street P1R1
Pace Project No.: 50358203

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street P1R1
Pace Project No.: 50358203

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50358203001	**MW-4I**	Water	11/01/23 12:35	11/01/23 17:14
50358203002	**MW-4D**	Water	11/01/23 14:40	11/01/23 17:14

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R1
Pace Project No.: 50358203

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50358203001	**MW-4I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	MGM	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358203002	**MW-4D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	MGM	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	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

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

SUMMARY OF DETECTION

Project: Harding Street P1R1
Pace Project No.: 50358203

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358203001	**MW-4I**					
EPA 9056	Chloride	105	mg/L	2.5	11/09/23 20:59	
EPA 9056	Fluoride	0.11	mg/L	0.10	11/09/23 20:42	
EPA 9056	Sulfate	44.3	mg/L	2.5	11/09/23 20:59	
EPA 6010	Barium	68.1	ug/L	10.0	11/13/23 12:18	
EPA 6010	Boron	595	ug/L	100	11/13/23 12:18	
EPA 6010	Calcium	90600	ug/L	1000	11/13/23 12:18	
EPA 6010	Iron	1280	ug/L	100	11/13/23 12:18	
EPA 6010	Magnesium	21200	ug/L	1000	11/13/23 12:18	
EPA 6010	Manganese	157	ug/L	10.0	11/13/23 12:18	
EPA 6010	Potassium	2390	ug/L	1000	11/13/23 12:18	
EPA 6010	Silica	12000	ug/L	450	11/13/23 12:18	N2
EPA 6010	Sodium	65400	ug/L	1000	11/13/23 12:18	
EPA 6010	Iron, Dissolved	1120	ug/L	100	11/13/23 13:28	
EPA 6010	Manganese, Dissolved	161	ug/L	10.0	11/13/23 13:28	
EPA 6020	Arsenic	2.3	ug/L	1.0	11/03/23 23:35	
EPA 903.1	Radium-226	0.530 ± 0.650 (1.06) C:NA T:86%	pCi/L		11/17/23 14:58	
EPA 904.0	Radium-228	0.445 ± 0.397 (0.802) C:86% T:68%	pCi/L		11/16/23 11:16	
Total Radium Calculation	Total Radium	0.975 ± 1.05 (1.86)	pCi/L		11/20/23 12:16	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	11/02/23 20:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	11/02/23 20:28	
SM 2540C	Total Dissolved Solids	501	mg/L	10.0	11/06/23 12:44	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	11/09/23 17:19	H3
SM 5310C	Total Organic Carbon	1.9	mg/L	1.0	11/10/23 23:36	
50358203002	**MW-4D**					
EPA 9056	Chloride	106	mg/L	2.5	11/09/23 21:33	
EPA 9056	Fluoride	0.16	mg/L	0.10	11/09/23 21:16	
EPA 9056	Sulfate	44.8	mg/L	0.25	11/09/23 21:16	
EPA 6010	Barium	78.6	ug/L	10.0	11/13/23 12:19	
EPA 6010	Boron	216	ug/L	100	11/13/23 12:19	
EPA 6010	Calcium	84400	ug/L	1000	11/13/23 12:19	
EPA 6010	Iron	1840	ug/L	100	11/13/23 12:19	
EPA 6010	Magnesium	21700	ug/L	1000	11/13/23 12:19	
EPA 6010	Manganese	108	ug/L	10.0	11/13/23 12:19	
EPA 6010	Potassium	2950	ug/L	1000	11/13/23 12:19	
EPA 6010	Silica	13600	ug/L	450	11/13/23 12:19	N2
EPA 6010	Sodium	69800	ug/L	1000	11/13/23 12:19	
EPA 6010	Iron, Dissolved	1790	ug/L	100	11/13/23 14:37	
EPA 6010	Manganese, Dissolved	111	ug/L	10.0	11/13/23 14:37	
EPA 6020	Arsenic	2.1	ug/L	1.0	11/03/23 23:39	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R1
Pace Project No.: 50358203

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358203002	**MW-4D**					
EPA 903.1	Radium-226	0.0837 ± 0.635 (1.26) C:NA T:90%	pCi/L		11/17/23 14:58	
EPA 904.0	Radium-228	0.728 ± 0.397 (0.696) C:82% T:74%	pCi/L		11/16/23 11:16	
Total Radium Calculation	Total Radium	0.812 ± 1.03 (1.96)	pCi/L		11/20/23 12:16	
SM 2320B	Alkalinity, Total as CaCO3	253	mg/L	10.0	11/02/23 20:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	253	mg/L	10.0	11/02/23 20:28	
SM 2540C	Total Dissolved Solids	503	mg/L	10.0	11/06/23 12:44	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	11/09/23 17:20	H3
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	11/10/23 23:46	
SM 5310C	Dissolved Organic Carbon	1.0	mg/L	1.0	11/07/23 03:58	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358203

Sample: MW-4I **Lab ID: 50358203001** Collected: 11/01/23 12:35 Received: 11/01/23 17:14 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	**105**	mg/L	2.5	0.67	10		11/09/23 20:59	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.017	1		11/09/23 20:42	16984-48-8	
Sulfate	**44.3**	mg/L	2.5	1.9	10		11/09/23 20:59	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/08/23 16:02	11/13/23 12:18	7429-90-5	
Barium	**68.1**	ug/L	10.0	0.45	1	11/08/23 16:02	11/13/23 12:18	7440-39-3	
Boron	**595**	ug/L	100	6.2	1	11/08/23 16:02	11/13/23 12:18	7440-42-8	
Calcium	**90600**	ug/L	1000	67.7	1	11/08/23 16:02	11/13/23 12:18	7440-70-2	
Iron	**1280**	ug/L	100	30.0	1	11/08/23 16:02	11/13/23 12:18	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/08/23 16:02	11/13/23 12:18	7439-93-2	
Magnesium	**21200**	ug/L	1000	33.6	1	11/08/23 16:02	11/13/23 12:18	7439-95-4	
Manganese	**157**	ug/L	10.0	1.8	1	11/08/23 16:02	11/13/23 12:18	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/08/23 16:02	11/13/23 12:18	7439-98-7	
Potassium	**2390**	ug/L	1000	97.8	1	11/08/23 16:02	11/13/23 12:18	7440-09-7	
Silica	**12000**	ug/L	450		1	11/08/23 16:02	11/13/23 12:18	7631-86-9	N2
Sodium	**65400**	ug/L	1000	54.8	1	11/08/23 16:02	11/13/23 12:18	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1120**	ug/L	100	28.6	1	11/12/23 20:56	11/13/23 13:28	7439-89-6	
Manganese, Dissolved	**161**	ug/L	10.0	2.8	1	11/12/23 20:56	11/13/23 13:28	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.2	1	11/12/23 20:56	11/13/23 13:28	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	0.13	1	11/03/23 09:05	11/03/23 23:35	7440-36-0	
Arsenic	**2.3**	ug/L	1.0	0.10	1	11/03/23 09:05	11/03/23 23:35	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/03/23 09:05	11/03/23 23:35	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/03/23 09:05	11/03/23 23:35	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/03/23 09:05	11/03/23 23:35	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**258**	mg/L	10.0	10.0	1		11/02/23 20:28		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		11/02/23 20:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/02/23 20:28		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**501**	mg/L	10.0	10.0	1		11/06/23 12:44		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358203

Sample: MW-4I **Lab ID: 50358203001** Collected: 11/01/23 12:35 Received: 11/01/23 17:14 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	**7.8**	Std. Units	0.10	0.10	1		11/09/23 17:19		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 11:01	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/02/23 00:01	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/02/23 00:01	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/08/23 13:00	11/10/23 10:44		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/10/23 23:36	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.24	1		11/07/23 03:32		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358203

Sample: MW-4D **Lab ID: 50358203002** Collected: 11/01/23 14:40 Received: 11/01/23 17:14 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	0.67	10		11/09/23 21:33	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.017	1		11/09/23 21:16	16984-48-8	
Sulfate	**44.8**	mg/L	0.25	0.19	1		11/09/23 21:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/08/23 16:02	11/13/23 12:19	7429-90-5	
Barium	**78.6**	ug/L	10.0	0.45	1	11/08/23 16:02	11/13/23 12:19	7440-39-3	
Boron	**216**	ug/L	100	6.2	1	11/08/23 16:02	11/13/23 12:19	7440-42-8	
Calcium	**84400**	ug/L	1000	67.7	1	11/08/23 16:02	11/13/23 12:19	7440-70-2	
Iron	**1840**	ug/L	100	30.0	1	11/08/23 16:02	11/13/23 12:19	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/08/23 16:02	11/13/23 12:19	7439-93-2	
Magnesium	**21700**	ug/L	1000	33.6	1	11/08/23 16:02	11/13/23 12:19	7439-95-4	
Manganese	**108**	ug/L	10.0	1.8	1	11/08/23 16:02	11/13/23 12:19	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/08/23 16:02	11/13/23 12:19	7439-98-7	
Potassium	**2950**	ug/L	1000	97.8	1	11/08/23 16:02	11/13/23 12:19	7440-09-7	
Silica	**13600**	ug/L	450		1	11/08/23 16:02	11/13/23 12:19	7631-86-9	N2
Sodium	**69800**	ug/L	1000	54.8	1	11/08/23 16:02	11/13/23 12:19	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1790**	ug/L	100	28.6	1	11/12/23 20:56	11/13/23 14:37	7439-89-6	
Manganese, Dissolved	**111**	ug/L	10.0	2.8	1	11/12/23 20:56	11/13/23 14:37	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.2	1	11/12/23 20:56	11/13/23 14:37	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	0.13	1	11/03/23 09:05	11/03/23 23:39	7440-36-0	
Arsenic	**2.1**	ug/L	1.0	0.10	1	11/03/23 09:05	11/03/23 23:39	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/03/23 09:05	11/03/23 23:39	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/03/23 09:05	11/03/23 23:39	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/03/23 09:05	11/03/23 23:39	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**253**	mg/L	10.0	10.0	1		11/02/23 20:28		
Alkalinity,Bicarbonate (CaCO3)	**253**	mg/L	10.0	10.0	1		11/02/23 20:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/02/23 20:28		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**503**	mg/L	10.0	10.0	1		11/06/23 12:44		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358203

Sample: MW-4D **Lab ID: 50358203002** Collected: 11/01/23 14:40 Received: 11/01/23 17:14 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	**7.7**	Std. Units	0.10	0.10	1		11/09/23 17:20		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 11:08	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/02/23 00:05	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/02/23 00:05	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/08/23 13:00	11/10/23 10:44		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.0**	mg/L	1.0	0.24	1		11/10/23 23:46	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.0**	mg/L	1.0	0.24	1		11/07/23 03:58		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 761299
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3489307 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/09/23 12:33	
Fluoride	mg/L	ND	0.10	0.017	11/09/23 12:33	
Sulfate	mg/L	ND	0.25	0.19	11/09/23 12:33	

LABORATORY CONTROL SAMPLE: 3489308

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	0.95	95	80-120	
Sulfate	mg/L	5	4.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3489309 3489310

Parameter	Units	50357988001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	33.5	25	25	59.4	55.9	103	90	80-120	6	15	
Fluoride	mg/L	0.49	1	1	1.4	1.4	94	95	80-120	0	15	
Sulfate	mg/L	31.7	5	5	36.3	36.3	92	92	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 760584
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3485899 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	11/13/23 12:12	
Barium	ug/L	ND	10.0	0.45	11/13/23 12:12	
Boron	ug/L	ND	100	6.2	11/13/23 12:12	
Calcium	ug/L	ND	1000	67.7	11/13/23 12:12	
Iron	ug/L	ND	100	30.0	11/13/23 12:12	
Lithium	ug/L	ND	20.0	6.8	11/13/23 12:12	
Magnesium	ug/L	ND	1000	33.6	11/13/23 12:12	
Manganese	ug/L	ND	10.0	1.8	11/13/23 12:12	
Molybdenum	ug/L	ND	10.0	0.78	11/13/23 12:12	
Potassium	ug/L	ND	1000	97.8	11/13/23 12:12	
Silica	ug/L	ND	450		11/13/23 12:12	N2
Sodium	ug/L	ND	1000	54.8	11/13/23 12:12	

LABORATORY CONTROL SAMPLE: 3485900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9940	99	80-120	
Barium	ug/L	1000	972	97	80-120	
Boron	ug/L	1000	938	94	80-120	
Calcium	ug/L	10000	10100	101	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lithium	ug/L	1000	980	98	80-120	
Magnesium	ug/L	10000	9640	96	80-120	
Manganese	ug/L	1000	954	95	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9620	96	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	9350	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3485901 3485902

Parameter	Units	50358215001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	<0.20 mg/L	10000	10000	10100	10200	101	102	75-125	0	20	
Barium	ug/L	0.12 mg/L	1000	1000	1110	1120	100	100	75-125	0	20	
Boron	ug/L	<0.10 mg/L	1000	1000	990	998	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3485901 3485902

Parameter	Units	50358215001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	72.8 mg/L	10000	10000	81700	82000	89	91	75-125	0	20	
Iron	ug/L	3.9 mg/L	10000	10000	14200	14300	103	104	75-125	1	20	
Lithium	ug/L	<0.020 mg/L	1000	1000	1020	1020	102	102	75-125	0	20	
Magnesium	ug/L	22.6 mg/L	10000	10000	31900	32100	93	95	75-125	1	20	
Manganese	ug/L	0.48 mg/L	1000	1000	1450	1460	97	97	75-125	1	20	
Molybdenum	ug/L	<0.010 mg/L	1000	1000	1070	1070	107	107	75-125	0	20	
Potassium	ug/L	0.89 mg/L	10000	10000	10700	10700	98	98	75-125	0	20	
Silica	ug/L	11.1 mg/L	10700	10700	22400	22400	106	106	75-125	0	20	N2
Sodium	ug/L	1.2 mg/L	10000	10000	10800	10800	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 762141
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3493550 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	28.6	11/13/23 13:22	
Manganese, Dissolved	ug/L	ND	10.0	2.8	11/13/23 13:22	
Molybdenum, Dissolved	ug/L	ND	10.0	1.2	11/13/23 13:22	

LABORATORY CONTROL SAMPLE: 3493551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9650	96	80-120	
Manganese, Dissolved	ug/L	1000	928	93	80-120	
Molybdenum, Dissolved	ug/L	1000	971	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493552 3493553

Parameter	Units	50358203001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	1120	10000	10000	11000	10500	99	93	75-125	5	20	
Manganese, Dissolved	ug/L	161	1000	1000	1120	1060	95	90	75-125	5	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	959	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 760597
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3485970 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.13	11/03/23 23:19	
Arsenic	ug/L	ND	1.0	0.10	11/03/23 23:19	
Beryllium	ug/L	ND	0.20	0.026	11/03/23 23:19	
Cobalt	ug/L	ND	1.0	0.082	11/03/23 23:19	
Selenium	ug/L	ND	1.0	0.44	11/03/23 23:19	

LABORATORY CONTROL SAMPLE: 3485971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.3	101	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Beryllium	ug/L	40	40.4	101	80-120	
Cobalt	ug/L	40	41.8	104	80-120	
Selenium	ug/L	40	40.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3485972 3485973

Parameter	Units	50358218003 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	41.6	42.1	102	103	75-125	1	20	
Arsenic	ug/L	0.011 mg/L	40	40	52.2	51.7	102	101	75-125	1	20	
Beryllium	ug/L	ND	40	40	41.6	41.4	104	104	75-125	0	20	
Cobalt	ug/L	0.0016 mg/L	40	40	40.7	41.1	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	38.1	39.5	95	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 760606
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3486004 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/02/23 20:28	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/02/23 20:28	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/02/23 20:28	

LABORATORY CONTROL SAMPLE: 3486005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.9	100	90-110	

SAMPLE DUPLICATE: 3486006

Parameter	Units	50358203001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	258	264	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	258	264	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3486007

Parameter	Units	50358218003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	390	395	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	390	395	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 761025
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3488205 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/06/23 12:41	

LABORATORY CONTROL SAMPLE: 3488206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3488207

Parameter	Units	50358231001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	845	876	4	10	

SAMPLE DUPLICATE: 3488208

Parameter	Units	50358214005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1320	1320	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 761958
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: 50358203001, 50358203002

SAMPLE DUPLICATE: 3492433

Parameter	Units	50357379001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.3	1	2	H3

SAMPLE DUPLICATE: 3492434

Parameter	Units	50358214003 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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 760793
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3486941 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/03/23 15:41	

LABORATORY CONTROL SAMPLE: 3486942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.51	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3486943 3486944

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.50	99	98	90-110	1	20	

MATRIX SPIKE SAMPLE: 3486945

Parameter	Units	50358436001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.54	107	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 762067
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3493223 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 10:49	H3,N2

LABORATORY CONTROL SAMPLE: 3493224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	100	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493225 3493226

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	0.69	2.5	2.5	3.3	3.3	103	103	90-110	0	20	H3,N2

MATRIX SPIKE SAMPLE: 3493227

Parameter	Units	50358454002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.0	103	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 760376
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: 50358203001, 50358203002

METHOD BLANK: 3484893 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/01/23 23:56	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/01/23 23:56	

LABORATORY CONTROL SAMPLE: 3484894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3484895 3484896

Parameter	Units	50358203002 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	
Nitrogen, Nitrite	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 761482
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3490157 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/10/23 10:29	

LABORATORY CONTROL SAMPLE: 3490158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.5			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3490159 3490160

Parameter	Units	60440830001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.51			2.0	1.9				4		

MATRIX SPIKE SAMPLE: 3490161

Parameter	Units	60440734003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	1.9		3.4			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 762121
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3493458 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/13/23 15:36	

LABORATORY CONTROL SAMPLE: 3493459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493460 3493461

Parameter	Units	50357988001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.4	40	40	40.3	40.4	97	98	80-120	0	20	

MATRIX SPIKE SAMPLE: 3493462

Parameter	Units	50357988006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.0	40	41.0	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 761056
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358203001, 50358203002

METHOD BLANK: 3488419 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/06/23 23:01	

LABORATORY CONTROL SAMPLE: 3488420

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: 3488421 3488422

Parameter	Units	50358000006 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	2.1	10	10	11.8	11.8	97	97	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3488424 3488425

Parameter	Units	50358390001 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	11.7	11.7	98	98	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358203

Sample: MW-4I **Lab ID: 50358203001** Collected: 11/01/23 12:35 Received: 11/01/23 17:14 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 ± 0.650 (1.06) C:NA T:86%**	pCi/L	11/17/23 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.445 ± 0.397 (0.802) C:86% T:68%**	pCi/L	11/16/23 11:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.975 ± 1.05 (1.86)**	pCi/L	11/20/23 12:16	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358203

Sample: MW-4D **Lab ID: 50358203002** Collected: 11/01/23 14:40 Received: 11/01/23 17:14 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	**0.0837 ± 0.635 (1.26) C:NA T:90%**	pCi/L	11/17/23 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.728 ± 0.397 (0.696) C:82% T:74%**	pCi/L	11/16/23 11:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.812 ± 1.03 (1.96)**	pCi/L	11/20/23 12:16	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 627813
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: 50358203001, 50358203002

METHOD BLANK: 3060124 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.151 ± 0.362 (0.700) C:NA T:86%	pCi/L	11/17/23 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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358203

QC Batch: 627814
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: 50358203001, 50358203002

METHOD BLANK: 3060129 Matrix: Water
Associated Lab Samples: 50358203001, 50358203002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.225 ± 0.300 (0.638) C:86% T:82%	pCi/L	11/16/23 11:34	

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

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

QUALIFIERS

Project: Harding Street P1R1
Pace Project No.: 50358203

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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R1
Pace Project No.: 50358203

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358203001	**MW-4I**	EPA 9056	761299		
50358203002	**MW-4D**	EPA 9056	761299		
50358203001	**MW-4I**	EPA 3010	760584	EPA 6010	762555
50358203002	**MW-4D**	EPA 3010	760584	EPA 6010	762555
50358203001	**MW-4I**	EPA 3010	762141	EPA 6010	762568
50358203002	**MW-4D**	EPA 3010	762141	EPA 6010	762568
50358203001	**MW-4I**	EPA 200.2	760597	EPA 6020	760819
50358203002	**MW-4D**	EPA 200.2	760597	EPA 6020	760819
50358203001	**MW-4I**	EPA 903.1	627813		
50358203002	**MW-4D**	EPA 903.1	627813		
50358203001	**MW-4I**	EPA 904.0	627814		
50358203002	**MW-4D**	EPA 904.0	627814		
50358203001	**MW-4I**	Total Radium Calculation	631114		
50358203002	**MW-4D**	Total Radium Calculation	631114		
50358203001	**MW-4I**	SM 2320B	760606		
50358203002	**MW-4D**	SM 2320B	760606		
50358203001	**MW-4I**	SM 2540C	761025		
50358203002	**MW-4D**	SM 2540C	761025		
50358203001	**MW-4I**	SM 4500-H+B	761958		
50358203002	**MW-4D**	SM 4500-H+B	761958		
50358203001	**MW-4I**	SM 4500-S2-D	760793		
50358203002	**MW-4D**	SM 4500-S2-D	760793		
50358203001	**MW-4I**	HACH 8146	762067		
50358203002	**MW-4D**	HACH 8146	762067		
50358203001	**MW-4I**	EPA 353.2	760376		
50358203002	**MW-4D**	EPA 353.2	760376		
50358203001	**MW-4I**	EPA 365.1	761482	EPA 365.1	762176
50358203002	**MW-4D**	EPA 365.1	761482	EPA 365.1	762176
50358203001	**MW-4I**	SM 5310C	762121		
50358203002	**MW-4D**	SM 5310C	762121		
50358203001	**MW-4I**	SM 5310C	761056		
50358203002	**MW-4D**	SM 5310C	761056		

CHAIN-OF-CUSTODY / Analytical Request Do

WO# : 50358203

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacele

Section A	Section B	Section C	
Required Client Information:	**Required Project Information:**	**Invoice Information:**	
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street P1R1	Pace Project Manager: will.statz@pacelabs.com,	
Requested Due Date: 5DAY	Project #: 170LF01501	**Pace Profile #: 10498-41**	

Regulatory Agency
State / Location
IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
	MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS																	Requested Analysis Filtered (Y/N)												
1	MW-41	WT	G	11-1	1235				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		
2	MW-4D	WT	G	11-1	1440				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		
3		WT																	X	X	X	X	X	X	X	X	X	X		
4		WT																	X	X	X	X	X	X	X	X	X	X		
5		WT																	X	X	X	X	X	X	X	X	X	X		
6		WT																	X	X	X	X	X	X	X	X	X	X		
7		WT																	X	X	X	X	X	X	X	X	X	X		
8		WT																	X	X	X	X	X	X	X	X	X	X		
9		WT																	X	X	X	X	X	X	X	X	X	X		
10		WT																	X	X	X	X	X	X	X	X	X	X		
11		WT																	X	X	X	X	X	X	X	X	X	X		
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time		11-1-23	1630	JOHN AMOSLI	11.1.23	1630				
Rad 226/228 to Pace PA	JOHN AMOSLI ATCGS	11.1.23	1714		11/1/23	1714	0.9	Y	N	Y
P1R1							1.2			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Erika Valerio		TEMP in C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:	DATE Signed: 11-1-2023	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/01/23 1740 JA

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G (H)

4. **Cooler Temperature(s):** 0.9 | 0.9 | 1.2 | 1.2 | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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: NO2, NO3	✓					
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 1 of 1

Sample Container Count

** Place a RED 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	1			2	2	1	1	1	1		1				WT	✓	✓		✓
2												1	1			2	2	1	1	1	1		1				WT	✓	✓		✓
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 30, 2024

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

RE: Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2023. 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

This report replaces the version generated on 11/17/23. Sample ID formatting was adjusted. WHS 11/21/23

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

Sincerely,

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: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50358204001	**MW-18I**	Water	11/01/23 13:50	11/01/23 17:14
50358204002	**MW-18D**	Water	11/01/23 15:25	11/01/23 17:14

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50358204001	**MW-18I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	MGM	5	PASI-I
		EPA 903.1	MAR1	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358204002	**MW-18D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	MGM	5	PASI-I
		EPA 903.1	MAR1	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358204001	**MW-18I**					
EPA 9056	Chloride	163	mg/L	2.5	11/09/23 22:40	
EPA 9056	Fluoride	0.13	mg/L	0.10	11/09/23 22:23	
EPA 9056	Sulfate	48.3	mg/L	2.5	11/09/23 22:40	
EPA 6010	Barium	429	ug/L	10.0	11/13/23 12:20	
EPA 6010	Boron	334	ug/L	100	11/13/23 12:20	
EPA 6010	Calcium	96200	ug/L	1000	11/13/23 12:20	
EPA 6010	Iron	2860	ug/L	100	11/13/23 12:20	
EPA 6010	Magnesium	30400	ug/L	1000	11/13/23 12:20	
EPA 6010	Manganese	122	ug/L	10.0	11/13/23 12:20	
EPA 6010	Potassium	9150	ug/L	1000	11/13/23 12:20	
EPA 6010	Silica	13600	ug/L	450	11/13/23 12:20	N2
EPA 6010	Sodium	88700	ug/L	1000	11/13/23 12:20	
EPA 6010	Iron, Dissolved	2690	ug/L	100	11/13/23 13:41	
EPA 6010	Manganese, Dissolved	120	ug/L	10.0	11/13/23 13:41	
EPA 6020	Arsenic	2.0	ug/L	1.0	11/03/23 23:43	
EPA 903.1	Radium-226	2.20 ± 1.04 (1.30) C:NA T:79%	pCi/L		11/16/23 14:04	
EPA 904.0	Radium-228	1.02 ± 0.497 (0.850) C:75% T:76%	pCi/L		11/16/23 14:36	
Total Radium Calculation	Total Radium	3.22 ± 1.54 (2.15)	pCi/L		11/17/23 13:10	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	11/02/23 20:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	11/02/23 20:28	
SM 2540C	Total Dissolved Solids	641	mg/L	10.0	11/06/23 12:44	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	11/09/23 17:21	H3
HACH 8146	Iron, Ferrous	1.4	mg/L	0.20	11/10/23 11:02	H3,N2
SM 5310C	Total Organic Carbon	3.9	mg/L	1.0	11/10/23 23:57	
SM 5310C	Dissolved Organic Carbon	3.0	mg/L	1.0	11/07/23 04:18	
50358204002	**MW-18D**					
EPA 9056	Chloride	142	mg/L	2.5	11/09/23 23:31	
EPA 9056	Sulfate	49.6	mg/L	2.5	11/09/23 23:31	
EPA 6010	Barium	319	ug/L	10.0	11/13/23 12:22	
EPA 6010	Boron	276	ug/L	100	11/13/23 12:22	
EPA 6010	Calcium	101000	ug/L	1000	11/13/23 12:22	
EPA 6010	Iron	3910	ug/L	100	11/13/23 12:22	
EPA 6010	Magnesium	28200	ug/L	1000	11/13/23 12:22	
EPA 6010	Manganese	49.1	ug/L	10.0	11/13/23 12:22	
EPA 6010	Potassium	4070	ug/L	1000	11/13/23 12:22	
EPA 6010	Silica	14000	ug/L	450	11/13/23 12:22	N2
EPA 6010	Sodium	66800	ug/L	1000	11/13/23 12:22	
EPA 6010	Iron, Dissolved	3860	ug/L	100	11/13/23 13:44	
EPA 6010	Manganese, Dissolved	51.6	ug/L	10.0	11/13/23 13:44	
EPA 6020	Arsenic	15.6	ug/L	1.0	11/03/23 23:47	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358204002	**MW-18D**					
EPA 903.1	Radium-226	0.266 ± 0.666 (1.21) C:NA T:81%	pCi/L		11/16/23 14:04	
EPA 904.0	Radium-228	0.457 ± 0.365 (0.716) C:83% T:76%	pCi/L		11/16/23 14:36	
Total Radium Calculation	Total Radium	0.723 ± 1.03 (1.93)	pCi/L		11/17/23 13:10	
SM 2320B	Alkalinity, Total as CaCO3	254	mg/L	10.0	11/02/23 20:28	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	254	mg/L	10.0	11/02/23 20:28	
SM 2540C	Total Dissolved Solids	613	mg/L	10.0	11/06/23 12:44	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	11/09/23 17:21	H3
HACH 8146	Iron, Ferrous	0.44	mg/L	0.20	11/10/23 11:09	H3,N2
EPA 365.1	Phosphate as P04	0.19	mg/L	0.15	11/10/23 10:45	
SM 5310C	Total Organic Carbon	3.1	mg/L	1.0	11/11/23 00:08	
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	11/07/23 04:44	

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Sample: MW-18I **Lab ID: 50358204001** Collected: 11/01/23 13:50 Received: 11/01/23 17:14 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	**163**	mg/L	2.5	0.67	10		11/09/23 22:40	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.017	1		11/09/23 22:23	16984-48-8	
Sulfate	**48.3**	mg/L	2.5	1.9	10		11/09/23 22:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/08/23 16:02	11/13/23 12:20	7429-90-5	
Barium	**429**	ug/L	10.0	0.45	1	11/08/23 16:02	11/13/23 12:20	7440-39-3	
Boron	**334**	ug/L	100	6.2	1	11/08/23 16:02	11/13/23 12:20	7440-42-8	
Calcium	**96200**	ug/L	1000	67.7	1	11/08/23 16:02	11/13/23 12:20	7440-70-2	
Iron	**2860**	ug/L	100	30.0	1	11/08/23 16:02	11/13/23 12:20	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/08/23 16:02	11/13/23 12:20	7439-93-2	
Magnesium	**30400**	ug/L	1000	33.6	1	11/08/23 16:02	11/13/23 12:20	7439-95-4	
Manganese	**122**	ug/L	10.0	1.8	1	11/08/23 16:02	11/13/23 12:20	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/08/23 16:02	11/13/23 12:20	7439-98-7	
Potassium	**9150**	ug/L	1000	97.8	1	11/08/23 16:02	11/13/23 12:20	7440-09-7	
Silica	**13600**	ug/L	450		1	11/08/23 16:02	11/13/23 12:20	7631-86-9	N2
Sodium	**88700**	ug/L	1000	54.8	1	11/08/23 16:02	11/13/23 12:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2690**	ug/L	100	28.6	1	11/12/23 20:56	11/13/23 13:41	7439-89-6	
Manganese, Dissolved	**120**	ug/L	10.0	2.8	1	11/12/23 20:56	11/13/23 13:41	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.2	1	11/12/23 20:56	11/13/23 13:41	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	0.13	1	11/03/23 09:05	11/03/23 23:43	7440-36-0	
Arsenic	**2.0**	ug/L	1.0	0.10	1	11/03/23 09:05	11/03/23 23:43	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/03/23 09:05	11/03/23 23:43	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/03/23 09:05	11/03/23 23:43	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/03/23 09:05	11/03/23 23:43	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		11/02/23 20:28		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		11/02/23 20:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/02/23 20:28		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**641**	mg/L	10.0	10.0	1		11/06/23 12:44		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Sample: MW-18I **Lab ID: 50358204001** Collected: 11/01/23 13:50 Received: 11/01/23 17:14 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	**7.7**	Std. Units	0.10	0.10	1		11/09/23 17:21		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.4**	mg/L	0.20	0.035	1		11/10/23 11:02	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/02/23 00:03	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/02/23 00:03	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/08/23 13:00	11/10/23 10:45		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.9**	mg/L	1.0	0.24	1		11/10/23 23:57	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.0**	mg/L	1.0	0.24	1		11/07/23 04:18		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Sample: MW-18D **Lab ID: 50358204002** Collected: 11/01/23 15:25 Received: 11/01/23 17:14 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	**142**	mg/L	2.5	0.67	10		11/09/23 23:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		11/09/23 23:14	16984-48-8	
Sulfate	**49.6**	mg/L	2.5	1.9	10		11/09/23 23:31	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/08/23 16:02	11/13/23 12:22	7429-90-5	
Barium	**319**	ug/L	10.0	0.45	1	11/08/23 16:02	11/13/23 12:22	7440-39-3	
Boron	**276**	ug/L	100	6.2	1	11/08/23 16:02	11/13/23 12:22	7440-42-8	
Calcium	**101000**	ug/L	1000	67.7	1	11/08/23 16:02	11/13/23 12:22	7440-70-2	
Iron	**3910**	ug/L	100	30.0	1	11/08/23 16:02	11/13/23 12:22	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/08/23 16:02	11/13/23 12:22	7439-93-2	
Magnesium	**28200**	ug/L	1000	33.6	1	11/08/23 16:02	11/13/23 12:22	7439-95-4	
Manganese	**49.1**	ug/L	10.0	1.8	1	11/08/23 16:02	11/13/23 12:22	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/08/23 16:02	11/13/23 12:22	7439-98-7	
Potassium	**4070**	ug/L	1000	97.8	1	11/08/23 16:02	11/13/23 12:22	7440-09-7	
Silica	**14000**	ug/L	450		1	11/08/23 16:02	11/13/23 12:22	7631-86-9	N2
Sodium	**66800**	ug/L	1000	54.8	1	11/08/23 16:02	11/13/23 12:22	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3860**	ug/L	100	28.6	1	11/12/23 20:56	11/13/23 13:44	7439-89-6	
Manganese, Dissolved	**51.6**	ug/L	10.0	2.8	1	11/12/23 20:56	11/13/23 13:44	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.2	1	11/12/23 20:56	11/13/23 13:44	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	0.13	1	11/03/23 09:05	11/03/23 23:47	7440-36-0	
Arsenic	**15.6**	ug/L	1.0	0.10	1	11/03/23 09:05	11/03/23 23:47	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/03/23 09:05	11/03/23 23:47	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/03/23 09:05	11/03/23 23:47	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/03/23 09:05	11/03/23 23:47	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**254**	mg/L	10.0	10.0	1		11/02/23 20:28		
Alkalinity,Bicarbonate (CaCO3)	**254**	mg/L	10.0	10.0	1		11/02/23 20:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/02/23 20:28		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**613**	mg/L	10.0	10.0	1		11/06/23 12:44		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Sample: MW-18D **Lab ID: 50358204002** Collected: 11/01/23 15:25 Received: 11/01/23 17:14 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	**7.6**	Std. Units	0.10	0.10	1		11/09/23 17:21		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.44**	mg/L	0.20	0.035	1		11/10/23 11:09	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/02/23 00:10	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/02/23 00:10	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.19**	mg/L	0.15	0.15	1	11/08/23 13:00	11/10/23 10:45		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.1**	mg/L	1.0	0.24	1		11/11/23 00:08	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.3**	mg/L	1.0	0.24	1		11/07/23 04:44		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 761299
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3489307 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/09/23 12:33	
Fluoride	mg/L	ND	0.10	0.017	11/09/23 12:33	
Sulfate	mg/L	ND	0.25	0.19	11/09/23 12:33	

LABORATORY CONTROL SAMPLE: 3489308

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	0.95	95	80-120	
Sulfate	mg/L	5	4.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3489309 3489310

Parameter	Units	50357988001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	33.5	25	25	59.4	55.9	103	90	80-120	6	15	
Fluoride	mg/L	0.49	1	1	1.4	1.4	94	95	80-120	0	15	
Sulfate	mg/L	31.7	5	5	36.3	36.3	92	92	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 760584
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3485899 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	11/13/23 12:12	
Barium	ug/L	ND	10.0	0.45	11/13/23 12:12	
Boron	ug/L	ND	100	6.2	11/13/23 12:12	
Calcium	ug/L	ND	1000	67.7	11/13/23 12:12	
Iron	ug/L	ND	100	30.0	11/13/23 12:12	
Lithium	ug/L	ND	20.0	6.8	11/13/23 12:12	
Magnesium	ug/L	ND	1000	33.6	11/13/23 12:12	
Manganese	ug/L	ND	10.0	1.8	11/13/23 12:12	
Molybdenum	ug/L	ND	10.0	0.78	11/13/23 12:12	
Potassium	ug/L	ND	1000	97.8	11/13/23 12:12	
Silica	ug/L	ND	450		11/13/23 12:12	N2
Sodium	ug/L	ND	1000	54.8	11/13/23 12:12	

LABORATORY CONTROL SAMPLE: 3485900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9940	99	80-120	
Barium	ug/L	1000	972	97	80-120	
Boron	ug/L	1000	938	94	80-120	
Calcium	ug/L	10000	10100	101	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lithium	ug/L	1000	980	98	80-120	
Magnesium	ug/L	10000	9640	96	80-120	
Manganese	ug/L	1000	954	95	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9620	96	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	9350	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3485901 3485902

Parameter	Units	50358215001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	<0.20 mg/L	10000	10000	10100	10200	101	102	75-125	0	20	
Barium	ug/L	0.12 mg/L	1000	1000	1110	1120	100	100	75-125	0	20	
Boron	ug/L	<0.10 mg/L	1000	1000	990	998	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3485901 3485902

Parameter	Units	50358215001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	72.8 mg/L	10000	10000	81700	82000	89	91	75-125	0	20	
Iron	ug/L	3.9 mg/L	10000	10000	14200	14300	103	104	75-125	1	20	
Lithium	ug/L	<0.020 mg/L	1000	1000	1020	1020	102	102	75-125	0	20	
Magnesium	ug/L	22.6 mg/L	10000	10000	31900	32100	93	95	75-125	1	20	
Manganese	ug/L	0.48 mg/L	1000	1000	1450	1460	97	97	75-125	1	20	
Molybdenum	ug/L	<0.010 mg/L	1000	1000	1070	1070	107	107	75-125	0	20	
Potassium	ug/L	0.89 mg/L	10000	10000	10700	10700	98	98	75-125	0	20	
Silica	ug/L	11.1 mg/L	10700	10700	22400	22400	106	106	75-125	0	20	N2
Sodium	ug/L	1.2 mg/L	10000	10000	10800	10800	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 762141
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3493550 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	28.6	11/13/23 13:22	
Manganese, Dissolved	ug/L	ND	10.0	2.8	11/13/23 13:22	
Molybdenum, Dissolved	ug/L	ND	10.0	1.2	11/13/23 13:22	

LABORATORY CONTROL SAMPLE: 3493551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9650	96	80-120	
Manganese, Dissolved	ug/L	1000	928	93	80-120	
Molybdenum, Dissolved	ug/L	1000	971	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493552 3493553

Parameter	Units	50358203001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	1120	10000	10000	11000	10500	99	93	75-125	5	20	
Manganese, Dissolved	ug/L	161	1000	1000	1120	1060	95	90	75-125	5	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	959	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 760597
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3485970 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.13	11/03/23 23:19	
Arsenic	ug/L	ND	1.0	0.10	11/03/23 23:19	
Beryllium	ug/L	ND	0.20	0.026	11/03/23 23:19	
Cobalt	ug/L	ND	1.0	0.082	11/03/23 23:19	
Selenium	ug/L	ND	1.0	0.44	11/03/23 23:19	

LABORATORY CONTROL SAMPLE: 3485971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.3	101	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Beryllium	ug/L	40	40.4	101	80-120	
Cobalt	ug/L	40	41.8	104	80-120	
Selenium	ug/L	40	40.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3485972 3485973

Parameter	Units	50358218003 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	41.6	42.1	102	103	75-125	1	20	
Arsenic	ug/L	0.011 mg/L	40	40	52.2	51.7	102	101	75-125	1	20	
Beryllium	ug/L	ND	40	40	41.6	41.4	104	104	75-125	0	20	
Cobalt	ug/L	0.0016 mg/L	40	40	40.7	41.1	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	38.1	39.5	95	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 760606
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3486004 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/02/23 20:28	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/02/23 20:28	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/02/23 20:28	

LABORATORY CONTROL SAMPLE: 3486005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.9	100	90-110	

SAMPLE DUPLICATE: 3486006

Parameter	Units	50358203001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	258	264	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	258	264	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3486007

Parameter	Units	50358218003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	390	395	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	390	395	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 761025
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3488205 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/06/23 12:41	

LABORATORY CONTROL SAMPLE: 3488206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3488207

Parameter	Units	50358231001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	845	876	4	10	

SAMPLE DUPLICATE: 3488208

Parameter	Units	50358214005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1320	1320	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 761958
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: 50358204001, 50358204002

SAMPLE DUPLICATE: 3492433

Parameter	Units	50357379001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.3	1	2	H3

SAMPLE DUPLICATE: 3492434

Parameter	Units	50358214003 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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 760793
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3486941 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/03/23 15:41	

LABORATORY CONTROL SAMPLE: 3486942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.51	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3486943 3486944

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.50	99	98	90-110	1	20	

MATRIX SPIKE SAMPLE: 3486945

Parameter	Units	50358436001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.54	107	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 762067
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3493223 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 10:49	H3,N2

LABORATORY CONTROL SAMPLE: 3493224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	100	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493225 3493226

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	0.69	2.5	2.5	3.3	3.3	103	103	90-110	0	20	H3,N2

MATRIX SPIKE SAMPLE: 3493227

Parameter	Units	50358454002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.0	103	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 760376
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: 50358204001, 50358204002

METHOD BLANK: 3484893 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/01/23 23:56	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/01/23 23:56	

LABORATORY CONTROL SAMPLE: 3484894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3484895 3484896

Parameter	Units	50358203002 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	
Nitrogen, Nitrite	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 761482
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3490157 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/10/23 10:29	

LABORATORY CONTROL SAMPLE: 3490158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.5			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3490159 3490160

Parameter	Units	60440830001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.51			2.0	1.9				4		

MATRIX SPIKE SAMPLE: 3490161

Parameter	Units	60440734003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	1.9		3.4			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 762121
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3493458 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/13/23 15:36	

LABORATORY CONTROL SAMPLE: 3493459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493460 3493461

Parameter	Units	50357988001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.4	40	40	40.3	40.4	97	98	80-120	0	20	

MATRIX SPIKE SAMPLE: 3493462

Parameter	Units	50357988006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.0	40	41.0	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 761056
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358204001, 50358204002

METHOD BLANK: 3488419 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/06/23 23:01	

LABORATORY CONTROL SAMPLE: 3488420

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: 3488421 3488422

Parameter	Units	50358000006 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	2.1	10	10	11.8	11.8	97	97	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3488424 3488425

Parameter	Units	50358390001 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	11.7	11.7	98	98	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Sample: MW-18I **Lab ID: 50358204001** Collected: 11/01/23 13:50 Received: 11/01/23 17:14 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	**2.20 ± 1.04 (1.30) C:NA T:79%**	pCi/L	11/16/23 14:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.02 ± 0.497 (0.850) C:75% T:76%**	pCi/L	11/16/23 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.22 ± 1.54 (2.15)**	pCi/L	11/17/23 13:10	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Sample: MW-18D **Lab ID: 50358204002** Collected: 11/01/23 15:25 Received: 11/01/23 17:14 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	**0.266 ± 0.666 (1.21) C:NA T:81%**	pCi/L	11/16/23 14:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.457 ± 0.365 (0.716) C:83% T:76%**	pCi/L	11/16/23 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.723 ± 1.03 (1.93)**	pCi/L	11/17/23 13:10	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 627832
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: 50358204001, 50358204002

METHOD BLANK: 3060213 Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.538 ± 0.345 (0.646) C:88% T:82%	pCi/L	11/16/23 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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

QC Batch: 627831
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: 50358204001, 50358204002

METHOD BLANK: 3060211
Matrix: Water
Associated Lab Samples: 50358204001, 50358204002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.634 ± 0.352 (0.132) C:NA T:89%	pCi/L	11/16/23 13:50	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50358204

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358204001	**MW-18I**	EPA 9056	761299		
50358204002	**MW-18D**	EPA 9056	761299		
50358204001	**MW-18I**	EPA 3010	760584	EPA 6010	762555
50358204002	**MW-18D**	EPA 3010	760584	EPA 6010	762555
50358204001	**MW-18I**	EPA 3010	762141	EPA 6010	762568
50358204002	**MW-18D**	EPA 3010	762141	EPA 6010	762568
50358204001	**MW-18I**	EPA 200.2	760597	EPA 6020	760819
50358204002	**MW-18D**	EPA 200.2	760597	EPA 6020	760819
50358204001	**MW-18I**	EPA 903.1	627831		
50358204002	**MW-18D**	EPA 903.1	627831		
50358204001	**MW-18I**	EPA 904.0	627832		
50358204002	**MW-18D**	EPA 904.0	627832		
50358204001	**MW-18I**	Total Radium Calculation	630731		
50358204002	**MW-18D**	Total Radium Calculation	630731		
50358204001	**MW-18I**	SM 2320B	760606		
50358204002	**MW-18D**	SM 2320B	760606		
50358204001	**MW-18I**	SM 2540C	761025		
50358204002	**MW-18D**	SM 2540C	761025		
50358204001	**MW-18I**	SM 4500-H+B	761958		
50358204002	**MW-18D**	SM 4500-H+B	761958		
50358204001	**MW-18I**	SM 4500-S2-D	760793		
50358204002	**MW-18D**	SM 4500-S2-D	760793		
50358204001	**MW-18I**	HACH 8146	762067		
50358204002	**MW-18D**	HACH 8146	762067		
50358204001	**MW-18I**	EPA 353.2	760376		
50358204002	**MW-18D**	EPA 353.2	760376		
50358204001	**MW-18I**	EPA 365.1	761482	EPA 365.1	762176
50358204002	**MW-18D**	EPA 365.1	761482	EPA 365.1	762176
50358204001	**MW-18I**	SM 5310C	762121		
50358204002	**MW-18D**	SM 5310C	762121		
50358204001	**MW-18I**	SM 5310C	761056		
50358204002	**MW-18D**	SM 5310C	761056		

Pace

CHAIN-OF-CUSTODY / Analytical Request

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.p

WO# : 50358204

50358204

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date:	Project #: P1R3	Pace Profile #: 10498-48

Regulatory Agency
State / Location
IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
1	MW18-I		WT		11.1.23	1350	11.1.23	1350	#	11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		
2	MW18-D		WT		11.1.23	1525	11.1.23	1525	#	11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		
3			WT																	x	x	x	x	x	x	x	x	x	x		
4			WT																	x	x	x	x	x	x	x	x	x	x		
5			WT																	x	x	x	x	x	x	x	x	x	x		
6			WT																	x	x	x	x	x	x	x	x	x	x		
7			WT																	x	x	x	x	x	x	x	x	x	x		
8			WT																	x	x	x	x	x	x	x	x	x	x		
9			WT																	x	x	x	x	x	x	x	x	x	x		
10			WT																	x	x	x	x	x	x	x	x	x	x		
11			WT																	x	x	x	x	x	x	x	x	x	x		
12			WT																	x	x	x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILL JR (ATAS)	11.1.23	1714		11/1/23	1714	0.9 1.2	Y	N	Y
6020 - Be,Co, As, Se, Sb (5)										
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)										
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Keyon Lawhead / John A. MAGILL JR					
SIGNATURE of SAMPLER:		DATE Signed: 11.1.23				

F-IN-Q-290-rev.23, 26Jun2023

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/01/23 1740 JA

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G (H)

4. **Cooler Temperature(s):** 0.9 | 0.9 | 1.2 | 1.2 | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

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	✓	
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)			✓
Headspace Wisconsin Sulfide?			✓
Headspace in VOA Vials (>6mm): See Containter Count form for details			No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED 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	1			2	2	1	1	1	1		1				WT	✓	✓		✓
2												1	1			2	2	1	1	1	1		1				WT	✓	✓		✓
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street P1R1
Pace Project No.: 50358390

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2023. 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,

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: Harding Street P1R1
Pace Project No.: 50358390

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50358390001	**MW-17IL**	Water	11/02/23 11:00	11/02/23 19:15
50358390002	**MW-17IL MS**	Water	11/02/23 11:00	11/02/23 19:15
50358390003	**MW-17IL MSD**	Water	11/02/23 11:00	11/02/23 19:15
50358390004	**MW-17I**	Water	11/02/23 13:20	11/02/23 19:15
50358390005	**MW-17D**	Water	11/02/23 10:50	11/02/23 19:15
50358390006	**MW-16S**	Water	11/02/23 16:25	11/02/23 19:15
50358390007	**MW-16D**	Water	11/02/23 16:25	11/02/23 19:15
50358390008	**DUP 8**	Water	11/02/23 08:00	11/02/23 19:15

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50358390001	**MW-17IL**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358390002	**MW-17IL MS**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50358390003	**MW-17IL MSD**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50358390004	**MW-17I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358390005	**MW-17D**	EPA 9056	ADM	3	PASI-I

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	MTM	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358390006	**MW-16S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358390007	**MW-16D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358390008	**DUP 8**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358390001	**MW-17IL**					
EPA 9056	Chloride	129	mg/L	2.5	11/09/23 16:05	
EPA 9056	Fluoride	0.26	mg/L	0.10	11/09/23 15:46	
EPA 9056	Sulfate	85.5	mg/L	2.5	11/09/23 16:05	
EPA 6010	Barium	214	ug/L	10.0	11/11/23 12:15	
EPA 6010	Boron	231	ug/L	100	11/11/23 12:15	
EPA 6010	Calcium	88500	ug/L	1000	11/11/23 12:15	
EPA 6010	Iron	2070	ug/L	100	11/11/23 12:15	
EPA 6010	Magnesium	23900	ug/L	1000	11/11/23 12:15	
EPA 6010	Manganese	267	ug/L	10.0	11/11/23 12:15	
EPA 6010	Potassium	6310	ug/L	1000	11/11/23 12:15	
EPA 6010	Silica	9100	ug/L	450	11/11/23 12:15	N2
EPA 6010	Sodium	84100	ug/L	1000	11/11/23 12:15	
EPA 6010	Iron, Dissolved	2210	ug/L	100	11/13/23 13:49	
EPA 6010	Manganese, Dissolved	274	ug/L	10.0	11/13/23 13:49	
EPA 6020	Arsenic	2.8	ug/L	1.0	11/07/23 03:43	
EPA 903.1	Radium-226	1.82 ± 0.672 (0.610) C:NA T:86%	pCi/L		11/22/23 14:39	
EPA 904.0	Radium-228	0.852 ± 0.415 (0.711) C:88% T:81%	pCi/L		11/20/23 16:01	
Total Radium Calculation	Total Radium	2.67 ± 1.09 (1.32)	pCi/L		11/27/23 13:22	
SM 2320B	Alkalinity, Total as CaCO3	253	mg/L	10.0	11/03/23 23:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	253	mg/L	10.0	11/03/23 23:05	
SM 2540C	Total Dissolved Solids	567	mg/L	10.0	11/07/23 15:22	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	11/14/23 14:41	H3
HACH 8146	Iron, Ferrous	0.69	mg/L	0.20	11/10/23 11:21	H3,N2
EPA 365.1	Phosphate as P04	0.32	mg/L	0.15	11/10/23 15:19	
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	11/10/23 21:45	
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	11/07/23 08:01	
50358390002	**MW-17IL MS**					
EPA 903.1	Radium-226	102.88 %REC ± NA (NA) C:NA T:NA	pCi/L		11/22/23 14:39	
EPA 904.0	Radium-228	59.39 %REC ± NA (NA) C:NA T:NA	pCi/L		11/20/23 16:01	1d
50358390003	**MW-17IL MSD**					
EPA 903.1	Radium-226	116.74 %REC 12.62RPD ± NA (NA) C:NA T:NA	pCi/L		11/22/23 14:39	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358390003	**MW-17IL MSD**					
EPA 904.0	Radium-228	76.29 %REC 24.90RPD ± NA (NA) C:NA T:NA	pCi/L		11/20/23 16:01	
50358390004	**MW-17I**					
EPA 9056	Chloride	117	mg/L	2.5	11/09/23 13:01	
EPA 9056	Fluoride	0.27	mg/L	0.10	11/09/23 12:43	
EPA 9056	Sulfate	85.0	mg/L	2.5	11/09/23 13:01	
EPA 6010	Barium	133	ug/L	10.0	11/11/23 12:25	
EPA 6010	Boron	163	ug/L	100	11/11/23 12:25	
EPA 6010	Calcium	80100	ug/L	1000	11/11/23 12:25	
EPA 6010	Iron	1580	ug/L	100	11/11/23 12:25	
EPA 6010	Magnesium	24300	ug/L	1000	11/11/23 12:25	
EPA 6010	Manganese	266	ug/L	10.0	11/11/23 12:25	
EPA 6010	Potassium	5350	ug/L	1000	11/11/23 12:25	
EPA 6010	Silica	8220	ug/L	450	11/11/23 12:25	N2
EPA 6010	Sodium	81400	ug/L	1000	11/11/23 12:25	
EPA 6010	Iron, Dissolved	1670	ug/L	100	11/13/23 14:00	
EPA 6010	Manganese, Dissolved	271	ug/L	10.0	11/13/23 14:00	
EPA 6020	Arsenic	2.4	ug/L	1.0	11/07/23 04:06	
EPA 903.1	Radium-226	0.408 ± 0.445 (0.700) C:NA T:86%	pCi/L		11/22/23 14:51	
EPA 904.0	Radium-228	0.148 ± 0.364 (0.811) C:77% T:84%	pCi/L		11/20/23 16:01	
Total Radium Calculation	Total Radium	0.556 ± 0.809 (1.51)	pCi/L		11/27/23 13:22	
SM 2320B	Alkalinity, Total as CaCO3	233	mg/L	10.0	11/03/23 23:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	233	mg/L	10.0	11/03/23 23:05	
SM 2540C	Total Dissolved Solids	584	mg/L	10.0	11/07/23 15:23	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/14/23 14:42	H3
HACH 8146	Iron, Ferrous	0.58	mg/L	0.20	11/10/23 11:23	H3,N2
SM 5310C	Total Organic Carbon	1.9	mg/L	1.0	11/10/23 22:45	
SM 5310C	Dissolved Organic Carbon	3.6	mg/L	1.0	11/07/23 09:01	
50358390005	**MW-17D**					
EPA 9056	Chloride	140	mg/L	2.5	11/09/23 13:38	
EPA 9056	Fluoride	0.28	mg/L	0.10	11/09/23 13:19	
EPA 9056	Sulfate	96.6	mg/L	2.5	11/09/23 13:38	
EPA 6010	Barium	193	ug/L	10.0	11/11/23 12:27	
EPA 6010	Boron	224	ug/L	100	11/11/23 12:27	
EPA 6010	Calcium	90600	ug/L	1000	11/11/23 12:27	
EPA 6010	Iron	2110	ug/L	100	11/11/23 12:27	
EPA 6010	Magnesium	25600	ug/L	1000	11/11/23 12:27	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358390005	**MW-17D**					
EPA 6010	Manganese	326	ug/L	10.0	11/11/23 12:27	
EPA 6010	Potassium	6060	ug/L	1000	11/11/23 12:27	
EPA 6010	Silica	8870	ug/L	450	11/11/23 12:27	N2
EPA 6010	Sodium	86700	ug/L	1000	11/11/23 12:27	
EPA 6010	Iron, Dissolved	2110	ug/L	100	11/13/23 14:01	
EPA 6010	Manganese, Dissolved	334	ug/L	10.0	11/13/23 14:01	
EPA 6020	Arsenic	3.0	ug/L	1.0	11/07/23 04:10	
EPA 903.1	Radium-226	1.31 ± 0.693 (0.852) C:NA T:83%	pCi/L		11/22/23 14:51	
EPA 904.0	Radium-228	0.881 ± 0.506 (0.949) C:86% T:80%	pCi/L		11/20/23 16:01	
Total Radium Calculation	Total Radium	2.19 ± 1.20 (1.80)	pCi/L		11/27/23 13:22	
SM 2320B	Alkalinity, Total as CaCO3	245	mg/L	10.0	11/03/23 23:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	245	mg/L	10.0	11/03/23 23:05	
SM 2540C	Total Dissolved Solids	595	mg/L	10.0	11/07/23 15:23	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/14/23 14:44	H3
EPA 365.1	Phosphate as P04	0.25	mg/L	0.15	11/10/23 15:22	
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	11/11/23 00:04	
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	11/07/23 09:27	
50358390006	**MW-16S**					
EPA 9056	Chloride	163	mg/L	2.5	11/09/23 14:14	
EPA 9056	Fluoride	0.41	mg/L	0.10	11/09/23 13:56	
EPA 9056	Sulfate	127	mg/L	2.5	11/09/23 14:14	
EPA 6010	Barium	63.9	ug/L	10.0	11/11/23 12:28	
EPA 6010	Boron	543	ug/L	100	11/11/23 12:28	
EPA 6010	Calcium	107000	ug/L	1000	11/11/23 12:28	
EPA 6010	Lithium	30.8	ug/L	20.0	11/11/23 12:28	
EPA 6010	Magnesium	26200	ug/L	1000	11/11/23 12:28	
EPA 6010	Manganese	501	ug/L	10.0	11/11/23 12:28	
EPA 6010	Molybdenum	157	ug/L	10.0	11/11/23 12:28	
EPA 6010	Potassium	7520	ug/L	1000	11/11/23 12:28	
EPA 6010	Silica	16200	ug/L	450	11/11/23 12:28	N2
EPA 6010	Sodium	95300	ug/L	1000	11/11/23 12:28	
EPA 6010	Manganese, Dissolved	508	ug/L	10.0	11/13/23 14:16	
EPA 6010	Molybdenum, Dissolved	160	ug/L	10.0	11/13/23 14:16	
EPA 6020	Cobalt	1.1	ug/L	1.0	11/07/23 04:13	
EPA 903.1	Radium-226	0.109 ± 0.565 (1.06) C:NA T:95%	pCi/L		11/22/23 14:51	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358390006	**MW-16S**					
EPA 904.0	Radium-228	0.396 ± 0.501 (1.07) C:70% T:81%	pCi/L		11/20/23 16:02	
Total Radium Calculation	Total Radium	0.505 ± 1.07 (2.13)	pCi/L		11/27/23 13:22	
SM 2320B	Alkalinity, Total as CaCO3	253	mg/L	10.0	11/03/23 23:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	253	mg/L	10.0	11/03/23 23:05	
SM 2540C	Total Dissolved Solids	683	mg/L	10.0	11/07/23 15:23	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/14/23 14:45	H3
EPA 365.1	Phosphate as P04	0.21	mg/L	0.15	11/10/23 15:23	
SM 5310C	Total Organic Carbon	1.9	mg/L	1.0	11/11/23 00:30	
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	11/07/23 09:47	
50358390007	**MW-16D**					
EPA 9056	Chloride	162	mg/L	2.5	11/09/23 14:51	
EPA 9056	Fluoride	0.53	mg/L	0.10	11/09/23 14:33	
EPA 9056	Sulfate	489	mg/L	2.5	11/09/23 14:51	
EPA 6010	Aluminum	254	ug/L	200	11/11/23 12:30	
EPA 6010	Barium	243	ug/L	10.0	11/11/23 12:30	
EPA 6010	Boron	1400	ug/L	100	11/11/23 12:30	
EPA 6010	Calcium	211000	ug/L	2000	11/11/23 13:25	
EPA 6010	Iron	11500	ug/L	100	11/11/23 12:30	
EPA 6010	Magnesium	66600	ug/L	1000	11/11/23 12:30	
EPA 6010	Manganese	2520	ug/L	10.0	11/11/23 12:30	
EPA 6010	Molybdenum	12.4	ug/L	10.0	11/11/23 12:30	
EPA 6010	Potassium	3460	ug/L	1000	11/11/23 12:30	
EPA 6010	Silica	13700	ug/L	450	11/11/23 12:30	N2
EPA 6010	Sodium	51200	ug/L	1000	11/11/23 12:30	
EPA 6010	Iron, Dissolved	10900	ug/L	100	11/13/23 14:04	
EPA 6010	Manganese, Dissolved	2480	ug/L	10.0	11/13/23 14:04	
EPA 6010	Molybdenum, Dissolved	12.3	ug/L	10.0	11/13/23 14:04	
EPA 6020	Arsenic	34.5	ug/L	1.0	11/07/23 04:17	
EPA 903.1	Radium-226	0.308 ± 0.514 (0.893) C:NA T:90%	pCi/L		11/22/23 14:51	
EPA 904.0	Radium-228	0.917 ± 0.507 (0.931) C:88% T:74%	pCi/L		11/20/23 16:02	
Total Radium Calculation	Total Radium	1.23 ± 1.02 (1.82)	pCi/L		11/27/23 13:22	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	11/03/23 23:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	11/03/23 23:05	
SM 2540C	Total Dissolved Solids	1130	mg/L	10.0	11/07/23 15:23	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/14/23 14:46	H3
HACH 8146	Iron, Ferrous	1.5	mg/L	0.20	11/10/23 11:31	H3,N2
EPA 365.1	Phosphate as P04	1.0	mg/L	0.15	11/10/23 15:23	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358390007	**MW-16D**					
SM 5310C	Total Organic Carbon	4.9	mg/L	1.0	11/11/23 00:50	
SM 5310C	Dissolved Organic Carbon	7.1	mg/L	1.0	11/14/23 20:16	
50358390008	**DUP 8**					
EPA 9056	Chloride	165	mg/L	2.5	11/09/23 19:27	
EPA 9056	Fluoride	0.42	mg/L	0.10	11/09/23 19:08	
EPA 9056	Sulfate	127	mg/L	2.5	11/09/23 19:27	
EPA 6010	Barium	64.8	ug/L	10.0	11/11/23 12:31	
EPA 6010	Boron	546	ug/L	100	11/11/23 12:31	
EPA 6010	Calcium	108000	ug/L	1000	11/11/23 12:31	
EPA 6010	Lithium	31.0	ug/L	20.0	11/11/23 12:31	
EPA 6010	Magnesium	26100	ug/L	1000	11/11/23 12:31	
EPA 6010	Manganese	502	ug/L	10.0	11/11/23 12:31	
EPA 6010	Molybdenum	158	ug/L	10.0	11/11/23 12:31	
EPA 6010	Potassium	7650	ug/L	1000	11/11/23 12:31	
EPA 6010	Silica	16300	ug/L	450	11/11/23 12:31	N2
EPA 6010	Sodium	96300	ug/L	1000	11/11/23 12:31	
EPA 6010	Manganese, Dissolved	517	ug/L	10.0	11/13/23 14:05	
EPA 6010	Molybdenum, Dissolved	163	ug/L	10.0	11/13/23 14:05	
EPA 6020	Cobalt	1.1	ug/L	1.0	11/07/23 04:27	
EPA 903.1	Radium-226	0.000 ± 0.425 (0.860) C:NA T:86%	pCi/L		11/22/23 14:51	
EPA 904.0	Radium-228	0.539 ± 0.456 (0.921) C:83% T:83%	pCi/L		11/20/23 16:03	
Total Radium Calculation	Total Radium	0.539 ± 0.881 (1.78)	pCi/L		11/27/23 13:22	
SM 2320B	Alkalinity, Total as CaCO3	254	mg/L	10.0	11/03/23 23:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	254	mg/L	10.0	11/03/23 23:05	
SM 2540C	Total Dissolved Solids	704	mg/L	10.0	11/07/23 15:24	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	11/14/23 14:46	H3
SM 5310C	Total Organic Carbon	2.1	mg/L	1.0	11/11/23 01:17	
SM 5310C	Dissolved Organic Carbon	2.7	mg/L	1.0	11/14/23 20:28	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17IL **Lab ID: 50358390001** Collected: 11/02/23 11:00 Received: 11/02/23 19:15 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	**129**	mg/L	2.5	0.67	10		11/09/23 16:05	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		11/09/23 15:46	16984-48-8	
Sulfate	**85.5**	mg/L	2.5	1.9	10		11/09/23 16:05	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/08/23 08:48	11/11/23 12:15	7429-90-5	
Barium	**214**	ug/L	10.0	1.6	1	11/08/23 08:48	11/11/23 12:15	7440-39-3	
Boron	**231**	ug/L	100	11.4	1	11/08/23 08:48	11/11/23 12:15	7440-42-8	
Calcium	**88500**	ug/L	1000	56.7	1	11/08/23 08:48	11/11/23 12:15	7440-70-2	
Iron	**2070**	ug/L	100	18.1	1	11/08/23 08:48	11/11/23 12:15	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/08/23 08:48	11/11/23 12:15	7439-93-2	
Magnesium	**23900**	ug/L	1000	32.8	1	11/08/23 08:48	11/11/23 12:15	7439-95-4	
Manganese	**267**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:15	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:15	7439-98-7	
Potassium	**6310**	ug/L	1000	120	1	11/08/23 08:48	11/11/23 12:15	7440-09-7	
Silica	**9100**	ug/L	450		1	11/08/23 08:48	11/11/23 12:15	7631-86-9	N2
Sodium	**84100**	ug/L	1000	48.2	1	11/08/23 08:48	11/11/23 12:15	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2210**	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 13:49	7439-89-6	
Manganese, Dissolved	**274**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 13:49	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 13:49	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	0.49	1	11/05/23 10:00	11/07/23 03:43	7440-36-0	
Arsenic	**2.8**	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 03:43	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/07/23 03:43	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 03:43	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 03:43	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**253**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Bicarbonate (CaCO3)	**253**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 23:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**567**	mg/L	10.0	10.0	1		11/07/23 15:22		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17IL **Lab ID: 50358390001** Collected: 11/02/23 11:00 Received: 11/02/23 19:15 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	**6.8**	Std. Units	0.10	0.10	1		11/14/23 14:41		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.69**	mg/L	0.20	0.035	1		11/10/23 11:21	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/03/23 00:38	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/03/23 00:38	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.32**	mg/L	0.15	0.15	1	11/09/23 12:00	11/10/23 15:19		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.0**	mg/L	1.0	0.24	1		11/10/23 21:45	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/07/23 08:01		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17I **Lab ID: 50358390004** Collected: 11/02/23 13:20 Received: 11/02/23 19:15 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	**117**	mg/L	2.5	0.67	10		11/09/23 13:01	16887-00-6	
Fluoride	**0.27**	mg/L	0.10	0.017	1		11/09/23 12:43	16984-48-8	
Sulfate	**85.0**	mg/L	2.5	1.9	10		11/09/23 13:01	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/08/23 08:48	11/11/23 12:25	7429-90-5	
Barium	**133**	ug/L	10.0	1.6	1	11/08/23 08:48	11/11/23 12:25	7440-39-3	
Boron	**163**	ug/L	100	11.4	1	11/08/23 08:48	11/11/23 12:25	7440-42-8	
Calcium	**80100**	ug/L	1000	56.7	1	11/08/23 08:48	11/11/23 12:25	7440-70-2	
Iron	**1580**	ug/L	100	18.1	1	11/08/23 08:48	11/11/23 12:25	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/08/23 08:48	11/11/23 12:25	7439-93-2	
Magnesium	**24300**	ug/L	1000	32.8	1	11/08/23 08:48	11/11/23 12:25	7439-95-4	
Manganese	**266**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:25	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:25	7439-98-7	
Potassium	**5350**	ug/L	1000	120	1	11/08/23 08:48	11/11/23 12:25	7440-09-7	
Silica	**8220**	ug/L	450		1	11/08/23 08:48	11/11/23 12:25	7631-86-9	N2
Sodium	**81400**	ug/L	1000	48.2	1	11/08/23 08:48	11/11/23 12:25	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1670**	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:00	7439-89-6	
Manganese, Dissolved	**271**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:00	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:00	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	0.49	1	11/05/23 10:00	11/07/23 04:06	7440-36-0	
Arsenic	**2.4**	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:06	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:00	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:06	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:06	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**233**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Bicarbonate (CaCO3)	**233**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 23:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**584**	mg/L	10.0	10.0	1		11/07/23 15:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17I **Lab ID: 50358390004** Collected: 11/02/23 13:20 Received: 11/02/23 19:15 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	**7.0**	Std. Units	0.10	0.10	1		11/14/23 14:42		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.58**	mg/L	0.20	0.035	1		11/10/23 11:23	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/03/23 00:44	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/03/23 00:44	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/09/23 12:00	11/10/23 15:21		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/10/23 22:45	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.6**	mg/L	1.0	0.24	1		11/07/23 09:01		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17D **Lab ID: 50358390005** Collected: 11/02/23 10:50 Received: 11/02/23 19:15 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	**140**	mg/L	2.5	0.67	10		11/09/23 13:38	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.017	1		11/09/23 13:19	16984-48-8	
Sulfate	**96.6**	mg/L	2.5	1.9	10		11/09/23 13:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/08/23 08:48	11/11/23 12:27	7429-90-5	
Barium	**193**	ug/L	10.0	1.6	1	11/08/23 08:48	11/11/23 12:27	7440-39-3	
Boron	**224**	ug/L	100	11.4	1	11/08/23 08:48	11/11/23 12:27	7440-42-8	
Calcium	**90600**	ug/L	1000	56.7	1	11/08/23 08:48	11/11/23 12:27	7440-70-2	
Iron	**2110**	ug/L	100	18.1	1	11/08/23 08:48	11/11/23 12:27	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/08/23 08:48	11/11/23 12:27	7439-93-2	
Magnesium	**25600**	ug/L	1000	32.8	1	11/08/23 08:48	11/11/23 12:27	7439-95-4	
Manganese	**326**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:27	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:27	7439-98-7	
Potassium	**6060**	ug/L	1000	120	1	11/08/23 08:48	11/11/23 12:27	7440-09-7	
Silica	**8870**	ug/L	450		1	11/08/23 08:48	11/11/23 12:27	7631-86-9	N2
Sodium	**86700**	ug/L	1000	48.2	1	11/08/23 08:48	11/11/23 12:27	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2110**	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:01	7439-89-6	
Manganese, Dissolved	**334**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:01	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:01	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	0.49	1	11/05/23 10:00	11/07/23 04:10	7440-36-0	
Arsenic	**3.0**	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:10	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:03	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:10	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:10	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**245**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Bicarbonate (CaCO3)	**245**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 23:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**595**	mg/L	10.0	10.0	1		11/07/23 15:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17D **Lab ID: 50358390005** Collected: 11/02/23 10:50 Received: 11/02/23 19:15 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	**7.2**	Std. Units	0.10	0.10	1		11/14/23 14:44		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 11:20	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/03/23 00:36	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/03/23 00:36	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.25**	mg/L	0.15	0.15	1	11/09/23 12:00	11/10/23 15:22		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.0**	mg/L	1.0	0.24	1		11/11/23 00:04	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	1.0	0.24	1		11/07/23 09:27		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-16S **Lab ID: 50358390006** Collected: 11/02/23 16:25 Received: 11/02/23 19:15 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	**163**	mg/L	2.5	0.67	10		11/09/23 14:14	16887-00-6	
Fluoride	**0.41**	mg/L	0.10	0.017	1		11/09/23 13:56	16984-48-8	
Sulfate	**127**	mg/L	2.5	1.9	10		11/09/23 14:14	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/08/23 08:48	11/11/23 12:28	7429-90-5	
Barium	**63.9**	ug/L	10.0	1.6	1	11/08/23 08:48	11/11/23 12:28	7440-39-3	
Boron	**543**	ug/L	100	11.4	1	11/08/23 08:48	11/11/23 12:28	7440-42-8	
Calcium	**107000**	ug/L	1000	56.7	1	11/08/23 08:48	11/11/23 12:28	7440-70-2	
Iron	ND	ug/L	100	18.1	1	11/08/23 08:48	11/11/23 12:28	7439-89-6	
Lithium	**30.8**	ug/L	20.0	5.1	1	11/08/23 08:48	11/11/23 12:28	7439-93-2	
Magnesium	**26200**	ug/L	1000	32.8	1	11/08/23 08:48	11/11/23 12:28	7439-95-4	
Manganese	**501**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:28	7439-96-5	
Molybdenum	**157**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:28	7439-98-7	
Potassium	**7520**	ug/L	1000	120	1	11/08/23 08:48	11/11/23 12:28	7440-09-7	
Silica	**16200**	ug/L	450		1	11/08/23 08:48	11/11/23 12:28	7631-86-9	N2
Sodium	**95300**	ug/L	1000	48.2	1	11/08/23 08:48	11/11/23 12:28	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	ND	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:16	7439-89-6	
Manganese, Dissolved	**508**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:16	7439-96-5	
Molybdenum, Dissolved	**160**	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:16	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	0.49	1	11/05/23 10:00	11/07/23 04:13	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:13	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:10	7440-41-7	
Cobalt	**1.1**	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:13	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:13	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**253**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Bicarbonate (CaCO3)	**253**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 23:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**683**	mg/L	10.0	10.0	1		11/07/23 15:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-16S **Lab ID: 50358390006** Collected: 11/02/23 16:25 Received: 11/02/23 19:15 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	**7.2**	Std. Units	0.10	0.10	1		11/14/23 14:45		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 11:31	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/03/23 00:46	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/03/23 00:46	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.21**	mg/L	0.15	0.15	1	11/09/23 12:00	11/10/23 15:23		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/11/23 00:30	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.24	1		11/07/23 09:47		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-16D **Lab ID: 50358390007** Collected: 11/02/23 16:25 Received: 11/02/23 19:15 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	**162**	mg/L	2.5	0.67	10		11/09/23 14:51	16887-00-6	
Fluoride	**0.53**	mg/L	0.10	0.017	1		11/09/23 14:33	16984-48-8	
Sulfate	**489**	mg/L	2.5	1.9	10		11/09/23 14:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	**254**	ug/L	200	79.3	1	11/08/23 08:48	11/11/23 12:30	7429-90-5	
Barium	**243**	ug/L	10.0	1.6	1	11/08/23 08:48	11/11/23 12:30	7440-39-3	
Boron	**1400**	ug/L	100	11.4	1	11/08/23 08:48	11/11/23 12:30	7440-42-8	
Calcium	**211000**	ug/L	2000	113	2	11/08/23 08:48	11/11/23 13:25	7440-70-2	
Iron	**11500**	ug/L	100	18.1	1	11/08/23 08:48	11/11/23 12:30	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/08/23 08:48	11/11/23 12:30	7439-93-2	
Magnesium	**66600**	ug/L	1000	32.8	1	11/08/23 08:48	11/11/23 12:30	7439-95-4	
Manganese	**2520**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:30	7439-96-5	
Molybdenum	**12.4**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:30	7439-98-7	
Potassium	**3460**	ug/L	1000	120	1	11/08/23 08:48	11/11/23 12:30	7440-09-7	
Silica	**13700**	ug/L	450		1	11/08/23 08:48	11/11/23 12:30	7631-86-9	N2
Sodium	**51200**	ug/L	1000	48.2	1	11/08/23 08:48	11/11/23 12:30	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**10900**	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:04	7439-89-6	
Manganese, Dissolved	**2480**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:04	7439-96-5	
Molybdenum, Dissolved	**12.3**	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:04	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	0.49	1	11/05/23 10:00	11/07/23 04:17	7440-36-0	
Arsenic	**34.5**	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:17	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:13	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:17	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:17	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		11/03/23 23:05		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 23:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1130**	mg/L	10.0	10.0	1		11/07/23 15:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-16D **Lab ID: 50358390007** Collected: 11/02/23 16:25 Received: 11/02/23 19:15 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	**7.2**	Std. Units	0.10	0.10	1		11/14/23 14:46		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.5**	mg/L	0.20	0.035	1		11/10/23 11:31	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/03/23 00:48	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/03/23 00:48	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**1.0**	mg/L	0.15	0.15	1	11/09/23 12:00	11/10/23 15:23		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**4.9**	mg/L	1.0	0.24	1		11/11/23 00:50	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**7.1**	mg/L	1.0	0.24	1		11/14/23 20:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: DUP 8 **Lab ID: 50358390008** Collected: 11/02/23 08:00 Received: 11/02/23 19:15 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	**165**	mg/L	2.5	0.67	10		11/09/23 19:27	16887-00-6	
Fluoride	**0.42**	mg/L	0.10	0.017	1		11/09/23 19:08	16984-48-8	
Sulfate	**127**	mg/L	2.5	1.9	10		11/09/23 19:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/08/23 08:48	11/11/23 12:31	7429-90-5	
Barium	**64.8**	ug/L	10.0	1.6	1	11/08/23 08:48	11/11/23 12:31	7440-39-3	
Boron	**546**	ug/L	100	11.4	1	11/08/23 08:48	11/11/23 12:31	7440-42-8	
Calcium	**108000**	ug/L	1000	56.7	1	11/08/23 08:48	11/11/23 12:31	7440-70-2	
Iron	ND	ug/L	100	18.1	1	11/08/23 08:48	11/11/23 12:31	7439-89-6	
Lithium	**31.0**	ug/L	20.0	5.1	1	11/08/23 08:48	11/11/23 12:31	7439-93-2	
Magnesium	**26100**	ug/L	1000	32.8	1	11/08/23 08:48	11/11/23 12:31	7439-95-4	
Manganese	**502**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:31	7439-96-5	
Molybdenum	**158**	ug/L	10.0	1.1	1	11/08/23 08:48	11/11/23 12:31	7439-98-7	
Potassium	**7650**	ug/L	1000	120	1	11/08/23 08:48	11/11/23 12:31	7440-09-7	
Silica	**16300**	ug/L	450		1	11/08/23 08:48	11/11/23 12:31	7631-86-9	N2
Sodium	**96300**	ug/L	1000	48.2	1	11/08/23 08:48	11/11/23 12:31	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	ND	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:05	7439-89-6	
Manganese, Dissolved	**517**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:05	7439-96-5	
Molybdenum, Dissolved	**163**	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:05	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	0.49	1	11/05/23 10:00	11/07/23 04:27	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:27	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:23	7440-41-7	
Cobalt	**1.1**	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:27	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:27	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**254**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Bicarbonate (CaCO3)	**254**	mg/L	10.0	10.0	1		11/03/23 23:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 23:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**704**	mg/L	10.0	10.0	1		11/07/23 15:24		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: DUP 8 **Lab ID: 50358390008** Collected: 11/02/23 08:00 Received: 11/02/23 19:15 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	**7.3**	Std. Units	0.10	0.10	1		11/14/23 14:46		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/03/23 15:41	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 11:09	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/03/23 00:35	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/03/23 00:35	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/09/23 12:00	11/10/23 15:25		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.1**	mg/L	1.0	0.24	1		11/11/23 01:17	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.7**	mg/L	1.0	0.24	1		11/14/23 20:28		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 761640
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3490967 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/09/23 12:06	
Fluoride	mg/L	ND	0.10	0.017	11/09/23 12:06	
Sulfate	mg/L	ND	0.25	0.19	11/09/23 12:06	

LABORATORY CONTROL SAMPLE: 3490968

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	4.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3490969 3490970

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	129	25	25	152	152	91	93	80-120	0	15	
Fluoride	mg/L	0.26	1	1	1.3	1.3	101	101	80-120	0	15	
Sulfate	mg/L	85.5	50	50	131	132	92	92	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 761200
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3489033 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	79.3	11/11/23 11:52	
Barium	ug/L	ND	10.0	1.6	11/11/23 11:52	
Boron	ug/L	ND	100	11.4	11/11/23 11:52	
Calcium	ug/L	ND	1000	56.7	11/11/23 11:52	
Iron	ug/L	ND	100	18.1	11/11/23 11:52	
Lithium	ug/L	ND	20.0	5.1	11/11/23 11:52	
Magnesium	ug/L	ND	1000	32.8	11/11/23 11:52	
Manganese	ug/L	ND	10.0	1.1	11/11/23 11:52	
Molybdenum	ug/L	ND	10.0	1.1	11/11/23 11:52	
Potassium	ug/L	ND	1000	120	11/11/23 11:52	
Silica	ug/L	ND	450		11/11/23 11:52	N2
Sodium	ug/L	ND	1000	48.2	11/11/23 11:52	

LABORATORY CONTROL SAMPLE: 3489034

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9300	93	80-120	
Barium	ug/L	1000	959	96	80-120	
Boron	ug/L	1000	948	95	80-120	
Calcium	ug/L	10000	9540	95	80-120	
Iron	ug/L	10000	9520	95	80-120	
Lithium	ug/L	1000	977	98	80-120	
Magnesium	ug/L	10000	9580	96	80-120	
Manganese	ug/L	1000	916	92	80-120	
Molybdenum	ug/L	1000	973	97	80-120	
Potassium	ug/L	10000	9470	95	80-120	
Silica	ug/L	10700	10100	94	80-120	N2
Sodium	ug/L	10000	9410	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3489035 3489036

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9500	9420	95	94	75-125	1	20	
Barium	ug/L	214	1000	1000	1210	1210	99	100	75-125	1	20	
Boron	ug/L	231	1000	1000	1260	1250	103	102	75-125	1	20	
Calcium	ug/L	88500	10000	10000	97300	97600	88	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3489035 3489036

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	2070	10000	10000	11900	11900	99	98	75-125	0	20	
Lithium	ug/L	ND	1000	1000	1020	1010	101	101	75-125	1	20	
Magnesium	ug/L	23900	10000	10000	33500	33600	96	96	75-125	0	20	
Manganese	ug/L	267	1000	1000	1210	1210	95	94	75-125	0	20	
Molybdenum	ug/L	ND	1000	1000	1040	1030	103	103	75-125	0	20	
Potassium	ug/L	6310	10000	10000	15900	16000	96	97	75-125	0	20	
Silica	ug/L	9100	10700	10700	19800	19700	100	99	75-125	0	20	N2
Sodium	ug/L	84100	10000	10000	92600	93100	86	91	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 762143
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3493555 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/13/23 13:47	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/13/23 13:47	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/13/23 13:47	

LABORATORY CONTROL SAMPLE: 3493556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	20000	18600	93	80-120	
Manganese, Dissolved	ug/L	2000	1750	87	80-120	
Molybdenum, Dissolved	ug/L	2000	1930	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493557 3493558

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	2210	10000	10000	11100	11600	89	94	75-125	4	20	
Manganese, Dissolved	ug/L	274	1000	1000	1110	1150	83	87	75-125	4	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	942	978	93	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 760849
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3487263 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/07/23 03:36	
Arsenic	ug/L	ND	1.0	0.075	11/07/23 03:36	
Beryllium	ug/L	ND	0.20	0.035	11/07/23 03:36	
Cobalt	ug/L	ND	1.0	0.046	11/07/23 03:36	
Selenium	ug/L	ND	1.0	0.20	11/07/23 03:36	

LABORATORY CONTROL SAMPLE: 3487264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.5	101	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Beryllium	ug/L	40	38.4	96	80-120	
Cobalt	ug/L	40	42.1	105	80-120	
Selenium	ug/L	40	40.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3487265 3487266

Parameter	Units	50358390001 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	40.8	40.4	102	101	75-125	1	20	
Arsenic	ug/L	2.8	40	40	41.8	41.5	97	97	75-125	1	20	
Beryllium	ug/L	ND	40	40	40.7	41.7	102	104	75-125	3	20	
Cobalt	ug/L	ND	40	40	39.2	39.4	98	98	75-125	1	20	
Selenium	ug/L	ND	40	40	40.5	39.5	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 760838
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3487203 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/03/23 23:05	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/03/23 23:05	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/03/23 23:05	

LABORATORY CONTROL SAMPLE: 3487204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.8	100	90-110	

SAMPLE DUPLICATE: 3487205

Parameter	Units	50358390001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	253	259	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	253	259	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3487206

Parameter	Units	50358403008 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	569	580	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	569	580	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 761272
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3489227 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/07/23 15:19	

LABORATORY CONTROL SAMPLE: 3489228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	280	93	80-120	

SAMPLE DUPLICATE: 3489229

Parameter	Units	50358265003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	703	722	3	10	

SAMPLE DUPLICATE: 3489230

Parameter	Units	50358390001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	567	574	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 762884
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: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

SAMPLE DUPLICATE: 3496538

Parameter	Units	50358390001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	1	2	H3

SAMPLE DUPLICATE: 3496539

Parameter	Units	50358403008 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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 760793
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3486941 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/03/23 15:41	

LABORATORY CONTROL SAMPLE: 3486942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.51	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3486943 3486944

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.50	99	98	90-110	1	20	

MATRIX SPIKE SAMPLE: 3486945

Parameter	Units	50358436001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.54	107	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 762067
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3493223 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 10:49	H3,N2

LABORATORY CONTROL SAMPLE: 3493224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	100	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493225 3493226

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	0.69	2.5	2.5	3.3	3.3	103	103	90-110	0	20	H3,N2

MATRIX SPIKE SAMPLE: 3493227

Parameter	Units	50358454002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.0	103	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 760617
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: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3486236 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/02/23 23:59	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/02/23 23:59	

LABORATORY CONTROL SAMPLE: 3486237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 3486238

Parameter	Units	50358219009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	99	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 3486239

Parameter	Units	50358390001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	99	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 761817
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3491744 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/10/23 15:18	

LABORATORY CONTROL SAMPLE: 3491745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491746 3491747

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.32			1.7	1.6				3		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 762134 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3493522 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/13/23 15:30	

LABORATORY CONTROL SAMPLE: 3493523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493524 3493525

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.0	40	40	41.0	40.7	98	97	80-120	1	20	

MATRIX SPIKE SAMPLE: 3493526

Parameter	Units	50358390004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.9	40	40.5	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 761056
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006

METHOD BLANK: 3488419 Matrix: Water
Associated Lab Samples: 50358390001, 50358390004, 50358390005, 50358390006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/06/23 23:01	

LABORATORY CONTROL SAMPLE: 3488420

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: 3488421 3488422

Parameter	Units	50358000006 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	2.1	10	10	11.8	11.8	97	97	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3488424 3488425

Parameter	Units	50358390001 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	11.7	11.7	98	98	80-120	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 762633
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358390007, 50358390008

METHOD BLANK: 3495673 Matrix: Water
Associated Lab Samples: 50358390007, 50358390008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/14/23 19:55	

LABORATORY CONTROL SAMPLE: 3495674

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: 3495675 3495676

Parameter	Units	50358403008 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	6.8	10	10	16.1	16.2	93	94	80-120	0	20	

MATRIX SPIKE SAMPLE: 3495677

Parameter	Units	50358403009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	8.5	10	17.9	94	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17IL **Lab ID: 50358390001** Collected: 11/02/23 11:00 Received: 11/02/23 19:15 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	**1.82 ± 0.672 (0.610) C:NA T:86%**	pCi/L	11/22/23 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.852 ± 0.415 (0.711) C:88% T:81%**	pCi/L	11/20/23 16:01	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.67 ± 1.09 (1.32)**	pCi/L	11/27/23 13:22	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17IL MS **Lab ID: 50358390002** Collected: 11/02/23 11:00 Received: 11/02/23 19:15 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	**102.88 %REC ± NA (NA) C:NA T:NA**	pCi/L	11/22/23 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**59.39 %REC ± NA (NA) C:NA T:NA**	pCi/L	11/20/23 16:01	15262-20-1	1d

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17IL MSD **Lab ID: 50358390003** Collected: 11/02/23 11:00 Received: 11/02/23 19:15 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	**116.74 %REC 12.62RPD ± NA (NA) C:NA T:NA**	pCi/L	11/22/23 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**76.29 %REC 24.90RPD ± NA (NA) C:NA T:NA**	pCi/L	11/20/23 16:01	15262-20-1	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17I **Lab ID: 50358390004** Collected: 11/02/23 13:20 Received: 11/02/23 19:15 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	**0.408 ± 0.445 (0.700) C:NA T:86%**	pCi/L	11/22/23 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.148 ± 0.364 (0.811) C:77% T:84%**	pCi/L	11/20/23 16:01	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.556 ± 0.809 (1.51)**	pCi/L	11/27/23 13:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-17D **Lab ID: 50358390005** Collected: 11/02/23 10:50 Received: 11/02/23 19:15 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	**1.31 ± 0.693 (0.852) C:NA T:83%**	pCi/L	11/22/23 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.881 ± 0.506 (0.949) C:86% T:80%**	pCi/L	11/20/23 16:01	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.19 ± 1.20 (1.80)**	pCi/L	11/27/23 13:22	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-16S **Lab ID: 50358390006** Collected: 11/02/23 16:25 Received: 11/02/23 19:15 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	**0.109 ± 0.565 (1.06) C:NA T:95%**	pCi/L	11/22/23 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.396 ± 0.501 (1.07) C:70% T:81%**	pCi/L	11/20/23 16:02	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.505 ± 1.07 (2.13)**	pCi/L	11/27/23 13:22	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: MW-16D **Lab ID: 50358390007** Collected: 11/02/23 16:25 Received: 11/02/23 19:15 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	**0.308 ± 0.514 (0.893) C:NA T:90%**	pCi/L	11/22/23 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.917 ± 0.507 (0.931) C:88% T:74%**	pCi/L	11/20/23 16:02	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.23 ± 1.02 (1.82)**	pCi/L	11/27/23 13:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

Sample: DUP 8 **Lab ID: 50358390008** Collected: 11/02/23 08:00 Received: 11/02/23 19:15 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	**0.000 ± 0.425 (0.860) C:NA T:86%**	pCi/L	11/22/23 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.539 ± 0.456 (0.921) C:83% T:83%**	pCi/L	11/20/23 16:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.539 ± 0.881 (1.78)**	pCi/L	11/27/23 13:22	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 628302 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: 50358390001, 50358390002, 50358390003, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3062812 Matrix: Water
Associated Lab Samples: 50358390001, 50358390002, 50358390003, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.349 ± 0.324 (0.654) C:81% T:83%	pCi/L	11/20/23 16:04	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R1
Pace Project No.: 50358390

QC Batch: 628301 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: 50358390001, 50358390002, 50358390003, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

METHOD BLANK: 3062811 Matrix: Water
Associated Lab Samples: 50358390001, 50358390002, 50358390003, 50358390004, 50358390005, 50358390006, 50358390007, 50358390008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0393 ± 0.180 (0.365) C:NA T:90%	pCi/L	11/22/23 14:27	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Harding Street P1R1
Pace Project No.: 50358390

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

1d	Matrix spike recovery is low and outside of the default acceptance criteria. Results reported based on acceptable RPD for the RQS set.
H3	Sample was received or analysis requested beyond the recognized method holding time.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358390001	**MW-17IL**	EPA 9056	761640		
50358390004	**MW-17I**	EPA 9056	761640		
50358390005	**MW-17D**	EPA 9056	761640		
50358390006	**MW-16S**	EPA 9056	761640		
50358390007	**MW-16D**	EPA 9056	761640		
50358390008	**DUP 8**	EPA 9056	761640		
50358390001	**MW-17IL**	EPA 3010	761200	EPA 6010	762330
50358390004	**MW-17I**	EPA 3010	761200	EPA 6010	762330
50358390005	**MW-17D**	EPA 3010	761200	EPA 6010	762330
50358390006	**MW-16S**	EPA 3010	761200	EPA 6010	762330
50358390007	**MW-16D**	EPA 3010	761200	EPA 6010	762330
50358390008	**DUP 8**	EPA 3010	761200	EPA 6010	762330
50358390001	**MW-17IL**	EPA 3010	762143	EPA 6010	762576
50358390004	**MW-17I**	EPA 3010	762143	EPA 6010	762576
50358390005	**MW-17D**	EPA 3010	762143	EPA 6010	762576
50358390006	**MW-16S**	EPA 3010	762143	EPA 6010	762576
50358390007	**MW-16D**	EPA 3010	762143	EPA 6010	762576
50358390008	**DUP 8**	EPA 3010	762143	EPA 6010	762576
50358390001	**MW-17IL**	EPA 200.2	760849	EPA 6020	760974
50358390004	**MW-17I**	EPA 200.2	760849	EPA 6020	760974
50358390005	**MW-17D**	EPA 200.2	760849	EPA 6020	760974
50358390006	**MW-16S**	EPA 200.2	760849	EPA 6020	760974
50358390007	**MW-16D**	EPA 200.2	760849	EPA 6020	760974
50358390008	**DUP 8**	EPA 200.2	760849	EPA 6020	760974
50358390001	**MW-17IL**	EPA 903.1	628301		
50358390002	**MW-17IL MS**	EPA 903.1	628301		
50358390003	**MW-17IL MSD**	EPA 903.1	628301		
50358390004	**MW-17I**	EPA 903.1	628301		
50358390005	**MW-17D**	EPA 903.1	628301		
50358390006	**MW-16S**	EPA 903.1	628301		
50358390007	**MW-16D**	EPA 903.1	628301		
50358390008	**DUP 8**	EPA 903.1	628301		
50358390001	**MW-17IL**	EPA 904.0	628302		
50358390002	**MW-17IL MS**	EPA 904.0	628302		
50358390003	**MW-17IL MSD**	EPA 904.0	628302		
50358390004	**MW-17I**	EPA 904.0	628302		
50358390005	**MW-17D**	EPA 904.0	628302		
50358390006	**MW-16S**	EPA 904.0	628302		
50358390007	**MW-16D**	EPA 904.0	628302		
50358390008	**DUP 8**	EPA 904.0	628302		
50358390001	**MW-17IL**	Total Radium Calculation	632112		
50358390004	**MW-17I**	Total Radium Calculation	632112		
50358390005	**MW-17D**	Total Radium Calculation	632112		
50358390006	**MW-16S**	Total Radium Calculation	632112		
50358390007	**MW-16D**	Total Radium Calculation	632112		
50358390008	**DUP 8**	Total Radium Calculation	632112		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358390001	**MW-17IL**	SM 2320B	760838		
50358390004	**MW-17I**	SM 2320B	760838		
50358390005	**MW-17D**	SM 2320B	760838		
50358390006	**MW-16S**	SM 2320B	760838		
50358390007	**MW-16D**	SM 2320B	760838		
50358390008	**DUP 8**	SM 2320B	760838		
50358390001	**MW-17IL**	SM 2540C	761272		
50358390004	**MW-17I**	SM 2540C	761272		
50358390005	**MW-17D**	SM 2540C	761272		
50358390006	**MW-16S**	SM 2540C	761272		
50358390007	**MW-16D**	SM 2540C	761272		
50358390008	**DUP 8**	SM 2540C	761272		
50358390001	**MW-17IL**	SM 4500-H+B	762884		
50358390004	**MW-17I**	SM 4500-H+B	762884		
50358390005	**MW-17D**	SM 4500-H+B	762884		
50358390006	**MW-16S**	SM 4500-H+B	762884		
50358390007	**MW-16D**	SM 4500-H+B	762884		
50358390008	**DUP 8**	SM 4500-H+B	762884		
50358390001	**MW-17IL**	SM 4500-S2-D	760793		
50358390004	**MW-17I**	SM 4500-S2-D	760793		
50358390005	**MW-17D**	SM 4500-S2-D	760793		
50358390006	**MW-16S**	SM 4500-S2-D	760793		
50358390007	**MW-16D**	SM 4500-S2-D	760793		
50358390008	**DUP 8**	SM 4500-S2-D	760793		
50358390001	**MW-17IL**	HACH 8146	762067		
50358390004	**MW-17I**	HACH 8146	762067		
50358390005	**MW-17D**	HACH 8146	762067		
50358390006	**MW-16S**	HACH 8146	762067		
50358390007	**MW-16D**	HACH 8146	762067		
50358390008	**DUP 8**	HACH 8146	762067		
50358390001	**MW-17IL**	EPA 353.2	760617		
50358390004	**MW-17I**	EPA 353.2	760617		
50358390005	**MW-17D**	EPA 353.2	760617		
50358390006	**MW-16S**	EPA 353.2	760617		
50358390007	**MW-16D**	EPA 353.2	760617		
50358390008	**DUP 8**	EPA 353.2	760617		
50358390001	**MW-17IL**	EPA 365.1	761817	EPA 365.1	762382
50358390004	**MW-17I**	EPA 365.1	761817	EPA 365.1	762382
50358390005	**MW-17D**	EPA 365.1	761817	EPA 365.1	762382
50358390006	**MW-16S**	EPA 365.1	761817	EPA 365.1	762382
50358390007	**MW-16D**	EPA 365.1	761817	EPA 365.1	762382
50358390008	**DUP 8**	EPA 365.1	761817	EPA 365.1	762382
50358390001	**MW-17IL**	SM 5310C	762134		
50358390004	**MW-17I**	SM 5310C	762134		
50358390005	**MW-17D**	SM 5310C	762134		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R1
Pace Project No.: 50358390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358390006	**MW-16S**	SM 5310C	762134		
50358390007	**MW-16D**	SM 5310C	762134		
50358390008	**DUP 8**	SM 5310C	762134		
50358390001	**MW-17IL**	SM 5310C	761056		
50358390004	**MW-17I**	SM 5310C	761056		
50358390005	**MW-17D**	SM 5310C	761056		
50358390006	**MW-16S**	SM 5310C	761056		
50358390007	**MW-16D**	SM 5310C	762633		
50358390008	**DUP 8**	SM 5310C	762633		

CHAIN-OF-CUSTODY / Analytical Request Doc

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelab

WO# : 50358390

50358390

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	Regulatory Agency
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street P1R1	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #: P1R1	Pace Profile #: 10498-41	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-17L	WT				11.2.23	1100		11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		
2	MW-17I	WT					1320												x	x	x	x	x	x	x	x	x	x		
3	MW-17D	WT					1050												x	x	x	x	x	x	x	x	x	x		
4	MW-16S	WT					1625												x	x	x	x	x	x	x	x	x	x		
5	MW-16D	WT					1625												x	x	x	x	x	x	x	x	x	x		
6	MS 5	WT					1100												x	x	x	x	x	x	x	x	x	x		
7	MSD 5	WT					1100												x	x	x	x	x	x	x	x	x	x		
8	Dup 6	WT				—	—												x	x	x	x	x	x	x	x	x	x		
9		WT																	x	x	x	x	x	x	x	x	x	x		
10		WT																	x	x	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x	x	x		
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time	Kaeyon Lawhorn/AES	10.2.23	1755		10/2/23	17:55	0.6	Y	N	Y
Rad 226/228 to Pace PA							1.9			
							0.8			
							0.8			

SHORT HOLD

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Kaeyon Lawhorn	JOHN A. MAGILL JR				
SIGNATURE of SAMPLER:		DATE Signed: 11.2.23				

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/2/23 17:59 JG

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☐ No

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

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

4. **Cooler Temperature(s):** 0.6/0.6 | 1.9/1.9 | 0.8/0.8 | 0.8/0.8
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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:** NO2, NO3	—	—				
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 ____ of ____

Sample Container Count

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

									AMBER GLASS							PLASTIC									OTHER					Preservation			
			MeOH (only)																										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	Syringe Kit		Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/ZnAc >9
1												3	3			6	6	3	3	3	3		3					WT	✓	✓		✓
2												1	1			2	2	1	1	1	1		1									
3																																
4																																
5												↓	↓			↓	↓	↓	↓	↓	↓		↓					↓	↓	↓		↓
6																																
7																																
8												1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 30, 2024

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

RE: Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 03, 2023. 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,

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: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50358466001	**MW-9I**	Water	11/03/23 10:37	11/03/23 13:00
50358466002	**MW-9D**	Water	11/03/23 10:25	11/03/23 13:00
50358466003	**Dup 3**	Water	11/03/23 08:00	11/03/23 13:00

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50358466001	**MW-9I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358466002	**MW-9D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358466003	**Dup 3**	EPA 9056	KBB	3	PASI-I
		EPA 6010	FRW	12	PASI-I
		EPA 6010	FRW	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358466001	**MW-9I**					
EPA 9056	Chloride	109	mg/L	2.5	11/10/23 11:25	
EPA 9056	Fluoride	0.61	mg/L	0.10	11/10/23 11:09	
EPA 9056	Sulfate	162	mg/L	2.5	11/10/23 11:25	
EPA 6010	Barium	81.5	ug/L	10.0	11/13/23 13:26	
EPA 6010	Boron	1760	ug/L	100	11/13/23 13:26	
EPA 6010	Calcium	126000	ug/L	1000	11/13/23 13:26	
EPA 6010	Iron	1150	ug/L	100	11/13/23 13:26	
EPA 6010	Lithium	25.3	ug/L	20.0	11/13/23 13:26	
EPA 6010	Magnesium	30500	ug/L	1000	11/13/23 13:26	
EPA 6010	Manganese	231	ug/L	10.0	11/13/23 13:26	
EPA 6010	Molybdenum	89.6	ug/L	10.0	11/13/23 13:26	
EPA 6010	Potassium	5210	ug/L	1000	11/13/23 13:26	
EPA 6010	Silica	12200	ug/L	450	11/13/23 13:26	N2
EPA 6010	Sodium	70200	ug/L	1000	11/13/23 13:26	
EPA 6010	Iron, Dissolved	1130	ug/L	100	11/13/23 14:20	
EPA 6010	Manganese, Dissolved	225	ug/L	10.0	11/13/23 14:20	
EPA 6010	Molybdenum, Dissolved	87.6	ug/L	10.0	11/13/23 14:20	
EPA 6020	Arsenic	52.7	ug/L	1.0	11/07/23 04:30	
EPA 903.1	Radium-226	0.427 ± 0.558 (0.920) C:NA T:92%	pCi/L		11/22/23 12:15	
EPA 904.0	Radium-228	0.715 ± 0.389 (0.692) C:89% T:85%	pCi/L		11/16/23 16:33	
Total Radium Calculation	Total Radium	1.14 ± 0.947 (1.61)	pCi/L		11/22/23 13:35	
SM 2320B	Alkalinity, Total as CaCO3	253	mg/L	10.0	11/03/23 22:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	245	mg/L	10.0	11/03/23 22:45	
SM 2540C	Total Dissolved Solids	690	mg/L	10.0	11/08/23 14:16	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/14/23 17:06	H3
SM 5310C	Total Organic Carbon	1.1	mg/L	1.0	11/11/23 11:44	
SM 5310C	Dissolved Organic Carbon	2.7	mg/L	1.0	11/15/23 01:26	
50358466002	**MW-9D**					
EPA 9056	Chloride	161	mg/L	2.5	11/10/23 11:59	
EPA 9056	Fluoride	0.57	mg/L	0.10	11/10/23 11:42	
EPA 9056	Sulfate	170	mg/L	2.5	11/10/23 11:59	
EPA 6010	Barium	62.8	ug/L	10.0	11/13/23 13:28	
EPA 6010	Boron	1390	ug/L	100	11/13/23 13:28	
EPA 6010	Calcium	136000	ug/L	1000	11/13/23 13:28	
EPA 6010	Iron	1820	ug/L	100	11/13/23 13:28	
EPA 6010	Lithium	24.9	ug/L	20.0	11/13/23 13:28	
EPA 6010	Magnesium	35100	ug/L	1000	11/13/23 13:28	
EPA 6010	Manganese	258	ug/L	10.0	11/13/23 13:28	
EPA 6010	Molybdenum	74.4	ug/L	10.0	11/13/23 13:28	
EPA 6010	Potassium	5840	ug/L	1000	11/13/23 13:28	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358466002	**MW-9D**					
EPA 6010	Silica	12300	ug/L	450	11/13/23 13:28	N2
EPA 6010	Sodium	85900	ug/L	1000	11/13/23 13:28	
EPA 6010	Iron, Dissolved	1840	ug/L	100	11/13/23 14:21	
EPA 6010	Manganese, Dissolved	262	ug/L	10.0	11/13/23 14:21	
EPA 6010	Molybdenum, Dissolved	75.5	ug/L	10.0	11/13/23 14:21	
EPA 6020	Arsenic	53.2	ug/L	1.0	11/07/23 04:34	
EPA 903.1	Radium-226	0.974 ± 0.682 (0.900) C:NA T:87%	pCi/L		11/22/23 12:15	
EPA 904.0	Radium-228	0.169 ± 0.334 (0.736) C:88% T:85%	pCi/L		11/16/23 16:33	
Total Radium Calculation	Total Radium	1.14 ± 1.02 (1.64)	pCi/L		11/22/23 13:35	
SM 2320B	Alkalinity, Total as CaCO3	256	mg/L	10.0	11/03/23 22:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	248	mg/L	10.0	11/03/23 22:45	
SM 2540C	Total Dissolved Solids	816	mg/L	20.0	11/08/23 14:17	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	11/14/23 17:07	H3
SM 5310C	Total Organic Carbon	1.2	mg/L	1.0	11/11/23 12:10	
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	11/15/23 22:37	
50358466003	**Dup 3**					
EPA 9056	Chloride	108	mg/L	2.5	11/10/23 12:50	
EPA 9056	Fluoride	0.61	mg/L	0.10	11/10/23 12:33	
EPA 9056	Sulfate	160	mg/L	2.5	11/10/23 12:50	
EPA 6010	Barium	82.1	ug/L	10.0	11/13/23 13:29	
EPA 6010	Boron	1790	ug/L	100	11/13/23 13:29	
EPA 6010	Calcium	127000	ug/L	1000	11/13/23 13:29	
EPA 6010	Iron	1180	ug/L	100	11/13/23 13:29	
EPA 6010	Lithium	25.7	ug/L	20.0	11/13/23 13:29	
EPA 6010	Magnesium	30800	ug/L	1000	11/13/23 13:29	
EPA 6010	Manganese	234	ug/L	10.0	11/13/23 13:29	
EPA 6010	Molybdenum	90.8	ug/L	10.0	11/13/23 13:29	
EPA 6010	Potassium	5230	ug/L	1000	11/13/23 13:29	
EPA 6010	Silica	12400	ug/L	450	11/13/23 13:29	N2
EPA 6010	Sodium	70800	ug/L	1000	11/13/23 13:29	
EPA 6010	Iron, Dissolved	1170	ug/L	100	11/13/23 14:23	
EPA 6010	Manganese, Dissolved	230	ug/L	10.0	11/13/23 14:23	
EPA 6010	Molybdenum, Dissolved	88.1	ug/L	10.0	11/13/23 14:23	
EPA 6020	Arsenic	53.2	ug/L	1.0	11/07/23 04:37	
EPA 903.1	Radium-226	0.151 ± 0.628 (1.20) C:NA T:94%	pCi/L		11/22/23 12:15	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358466003	**Dup 3**					
EPA 904.0	Radium-228	0.706 ± 0.403 (0.723) C:81% T:84%	pCi/L		11/16/23 16:33	
Total Radium Calculation	Total Radium	0.857 ± 1.03 (1.92)	pCi/L		11/22/23 13:35	
SM 2320B	Alkalinity, Total as CaCO3	254	mg/L	10.0	11/03/23 22:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	10.0	11/03/23 22:45	
SM 2320B	Alkalinity,Carbonate (CaCO3)	11.6	mg/L	10.0	11/03/23 22:45	
SM 2540C	Total Dissolved Solids	709	mg/L	10.0	11/08/23 14:17	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/14/23 17:07	H3
HACH 8146	Iron, Ferrous	0.30	mg/L	0.20	11/10/23 11:32	H3,N2
SM 5310C	Total Organic Carbon	1.0	mg/L	1.0	11/11/23 13:15	
SM 5310C	Dissolved Organic Carbon	1.8	mg/L	1.0	11/15/23 23:31	

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: MW-9I **Lab ID: 50358466001** Collected: 11/03/23 10:37 Received: 11/03/23 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	**109**	mg/L	2.5	0.67	10		11/10/23 11:25	16887-00-6	
Fluoride	**0.61**	mg/L	0.10	0.017	1		11/10/23 11:09	16984-48-8	
Sulfate	**162**	mg/L	2.5	1.9	10		11/10/23 11:25	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/08/23 20:56	11/13/23 13:26	7429-90-5	
Barium	**81.5**	ug/L	10.0	0.45	1	11/08/23 20:56	11/13/23 13:26	7440-39-3	
Boron	**1760**	ug/L	100	6.2	1	11/08/23 20:56	11/13/23 13:26	7440-42-8	
Calcium	**126000**	ug/L	1000	67.7	1	11/08/23 20:56	11/13/23 13:26	7440-70-2	
Iron	**1150**	ug/L	100	30.0	1	11/08/23 20:56	11/13/23 13:26	7439-89-6	
Lithium	**25.3**	ug/L	20.0	6.8	1	11/08/23 20:56	11/13/23 13:26	7439-93-2	
Magnesium	**30500**	ug/L	1000	33.6	1	11/08/23 20:56	11/13/23 13:26	7439-95-4	
Manganese	**231**	ug/L	10.0	1.8	1	11/08/23 20:56	11/13/23 13:26	7439-96-5	
Molybdenum	**89.6**	ug/L	10.0	0.78	1	11/08/23 20:56	11/13/23 13:26	7439-98-7	
Potassium	**5210**	ug/L	1000	97.8	1	11/08/23 20:56	11/13/23 13:26	7440-09-7	
Silica	**12200**	ug/L	450		1	11/08/23 20:56	11/13/23 13:26	7631-86-9	N2
Sodium	**70200**	ug/L	1000	54.8	1	11/08/23 20:56	11/13/23 13:26	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1130**	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:20	7439-89-6	
Manganese, Dissolved	**225**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:20	7439-96-5	
Molybdenum, Dissolved	**87.6**	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:20	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	0.49	1	11/05/23 10:00	11/07/23 04:30	7440-36-0	
Arsenic	**52.7**	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:30	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:27	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:30	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:30	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**253**	mg/L	10.0	10.0	1		11/03/23 22:45		
Alkalinity,Bicarbonate (CaCO3)	**245**	mg/L	10.0	10.0	1		11/03/23 22:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 22:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**690**	mg/L	10.0	10.0	1		11/08/23 14:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: MW-9I **Lab ID: 50358466001** Collected: 11/03/23 10:37 Received: 11/03/23 13:00 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	**7.0**	Std. Units	0.10	0.10	1		11/14/23 17:06		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/06/23 13:55	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 11:32	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/04/23 01:51	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/04/23 01:51	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/09/23 16:00	11/14/23 17:11		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.1**	mg/L	1.0	0.24	1		11/11/23 11:44	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.7**	mg/L	1.0	0.24	1		11/15/23 01:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: MW-9D **Lab ID: 50358466002** Collected: 11/03/23 10:25 Received: 11/03/23 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	**161**	mg/L	2.5	0.67	10		11/10/23 11:59	16887-00-6	
Fluoride	**0.57**	mg/L	0.10	0.017	1		11/10/23 11:42	16984-48-8	
Sulfate	**170**	mg/L	2.5	1.9	10		11/10/23 11:59	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/08/23 20:56	11/13/23 13:28	7429-90-5	
Barium	**62.8**	ug/L	10.0	0.45	1	11/08/23 20:56	11/13/23 13:28	7440-39-3	
Boron	**1390**	ug/L	100	6.2	1	11/08/23 20:56	11/13/23 13:28	7440-42-8	
Calcium	**136000**	ug/L	1000	67.7	1	11/08/23 20:56	11/13/23 13:28	7440-70-2	
Iron	**1820**	ug/L	100	30.0	1	11/08/23 20:56	11/13/23 13:28	7439-89-6	
Lithium	**24.9**	ug/L	20.0	6.8	1	11/08/23 20:56	11/13/23 13:28	7439-93-2	
Magnesium	**35100**	ug/L	1000	33.6	1	11/08/23 20:56	11/13/23 13:28	7439-95-4	
Manganese	**258**	ug/L	10.0	1.8	1	11/08/23 20:56	11/13/23 13:28	7439-96-5	
Molybdenum	**74.4**	ug/L	10.0	0.78	1	11/08/23 20:56	11/13/23 13:28	7439-98-7	
Potassium	**5840**	ug/L	1000	97.8	1	11/08/23 20:56	11/13/23 13:28	7440-09-7	
Silica	**12300**	ug/L	450		1	11/08/23 20:56	11/13/23 13:28	7631-86-9	N2
Sodium	**85900**	ug/L	1000	54.8	1	11/08/23 20:56	11/13/23 13:28	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1840**	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:21	7439-89-6	
Manganese, Dissolved	**262**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:21	7439-96-5	
Molybdenum, Dissolved	**75.5**	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:21	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	0.49	1	11/05/23 10:00	11/07/23 04:34	7440-36-0	
Arsenic	**53.2**	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:34	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:34	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:34	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:34	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**256**	mg/L	10.0	10.0	1		11/03/23 22:45		
Alkalinity,Bicarbonate (CaCO3)	**248**	mg/L	10.0	10.0	1		11/03/23 22:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/03/23 22:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**816**	mg/L	20.0	20.0	1		11/08/23 14:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: MW-9D **Lab ID: 50358466002** Collected: 11/03/23 10:25 Received: 11/03/23 13:00 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	**7.1**	Std. Units	0.10	0.10	1		11/14/23 17:07		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/06/23 13:55	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 11:32	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/04/23 01:49	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/04/23 01:49	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/09/23 16:00	11/14/23 17:12		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.2**	mg/L	1.0	0.24	1		11/11/23 12:10	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.24	1		11/15/23 22:37		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: Dup 3 **Lab ID: 50358466003** Collected: 11/03/23 08:00 Received: 11/03/23 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	**108**	mg/L	2.5	0.67	10		11/10/23 12:50	16887-00-6	
Fluoride	**0.61**	mg/L	0.10	0.017	1		11/10/23 12:33	16984-48-8	
Sulfate	**160**	mg/L	2.5	1.9	10		11/10/23 12:50	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/08/23 20:56	11/13/23 13:29	7429-90-5	
Barium	**82.1**	ug/L	10.0	0.45	1	11/08/23 20:56	11/13/23 13:29	7440-39-3	
Boron	**1790**	ug/L	100	6.2	1	11/08/23 20:56	11/13/23 13:29	7440-42-8	
Calcium	**127000**	ug/L	1000	67.7	1	11/08/23 20:56	11/13/23 13:29	7440-70-2	
Iron	**1180**	ug/L	100	30.0	1	11/08/23 20:56	11/13/23 13:29	7439-89-6	
Lithium	**25.7**	ug/L	20.0	6.8	1	11/08/23 20:56	11/13/23 13:29	7439-93-2	
Magnesium	**30800**	ug/L	1000	33.6	1	11/08/23 20:56	11/13/23 13:29	7439-95-4	
Manganese	**234**	ug/L	10.0	1.8	1	11/08/23 20:56	11/13/23 13:29	7439-96-5	
Molybdenum	**90.8**	ug/L	10.0	0.78	1	11/08/23 20:56	11/13/23 13:29	7439-98-7	
Potassium	**5230**	ug/L	1000	97.8	1	11/08/23 20:56	11/13/23 13:29	7440-09-7	
Silica	**12400**	ug/L	450		1	11/08/23 20:56	11/13/23 13:29	7631-86-9	N2
Sodium	**70800**	ug/L	1000	54.8	1	11/08/23 20:56	11/13/23 13:29	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1170**	ug/L	100	30.0	1	11/12/23 20:56	11/13/23 14:23	7439-89-6	
Manganese, Dissolved	**230**	ug/L	10.0	1.8	1	11/12/23 20:56	11/13/23 14:23	7439-96-5	
Molybdenum, Dissolved	**88.1**	ug/L	10.0	0.78	1	11/12/23 20:56	11/13/23 14:23	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	0.49	1	11/05/23 10:00	11/07/23 04:37	7440-36-0	
Arsenic	**53.2**	ug/L	1.0	0.075	1	11/05/23 10:00	11/07/23 04:37	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/05/23 10:00	11/08/23 17:37	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/05/23 10:00	11/07/23 04:37	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/05/23 10:00	11/07/23 04:37	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**254**	mg/L	10.0	10.0	1		11/03/23 22:45		
Alkalinity,Bicarbonate (CaCO3)	**242**	mg/L	10.0	10.0	1		11/03/23 22:45		
Alkalinity,Carbonate (CaCO3)	**11.6**	mg/L	10.0	10.0	1		11/03/23 22:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**709**	mg/L	10.0	10.0	1		11/08/23 14:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: Dup 3 **Lab ID: 50358466003** Collected: 11/03/23 08:00 Received: 11/03/23 13:00 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	**7.2**	Std. Units	0.10	0.10	1		11/14/23 17:07		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/06/23 13:55	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.30**	mg/L	0.20	0.035	1		11/10/23 11:32	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/04/23 01:23	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/04/23 01:23	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/09/23 16:00	11/14/23 17:12		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.0**	mg/L	1.0	0.24	1		11/11/23 13:15	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.8**	mg/L	1.0	0.24	1		11/15/23 23:31		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 761948
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3492379 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/10/23 10:35	
Fluoride	mg/L	ND	0.10	0.017	11/10/23 10:35	
Sulfate	mg/L	ND	0.25	0.19	11/10/23 10:35	

LABORATORY CONTROL SAMPLE: 3492380

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	0.93	93	80-120	
Sulfate	mg/L	5	4.7	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3492381 3492382

Parameter	Units	50358482004 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	5.6	5.6	63	62	80-120	1	15	M0
Fluoride	mg/L	2.8	1	1	3.6	3.6	79	76	80-120	1	15	M0
Sulfate	mg/L	24.9	5	5	26.4	26.5	30	32	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 761569
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3490608 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	11/13/23 13:08	
Barium	ug/L	ND	10.0	0.45	11/13/23 13:08	
Boron	ug/L	ND	100	6.2	11/13/23 13:08	
Calcium	ug/L	ND	1000	67.7	11/13/23 13:08	
Iron	ug/L	ND	100	30.0	11/13/23 13:08	
Lithium	ug/L	ND	20.0	6.8	11/13/23 13:08	
Magnesium	ug/L	ND	1000	33.6	11/13/23 13:08	
Manganese	ug/L	ND	10.0	1.8	11/13/23 13:08	
Molybdenum	ug/L	ND	10.0	0.78	11/13/23 13:08	
Potassium	ug/L	ND	1000	97.8	11/13/23 13:08	
Silica	ug/L	ND	450		11/13/23 13:08	N2
Sodium	ug/L	ND	1000	54.8	11/13/23 13:08	

LABORATORY CONTROL SAMPLE: 3490609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9630	96	80-120	
Barium	ug/L	1000	942	94	80-120	
Boron	ug/L	1000	912	91	80-120	
Calcium	ug/L	10000	9910	99	80-120	
Iron	ug/L	10000	9900	99	80-120	
Lithium	ug/L	1000	946	95	80-120	
Magnesium	ug/L	10000	9540	95	80-120	
Manganese	ug/L	1000	934	93	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9220	92	80-120	
Silica	ug/L	10700	10500	99	80-120	N2
Sodium	ug/L	10000	8980	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3490610 3490611

Parameter	Units	50358454001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9650	9550	96	95	75-125	1	20	
Barium	ug/L	31.6	1000	1000	985	977	95	95	75-125	1	20	
Boron	ug/L	13000	1000	1000	14200	13900	119	92	75-125	2	20	
Calcium	ug/L	364000	10000	10000	378000	370000	139	58	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3490610 3490611

Parameter	Units	50358454001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	7220	10000	10000	16900	16600	97	94	75-125	1	20	
Lithium	ug/L	ND	1000	1000	967	959	97	96	75-125	1	20	
Magnesium	ug/L	29600	10000	10000	38800	38000	92	85	75-125	2	20	
Manganese	ug/L	1220	1000	1000	2140	2100	91	88	75-125	2	20	
Molybdenum	ug/L	362	1000	1000	1400	1380	104	102	75-125	1	20	
Potassium	ug/L	5840	10000	10000	15500	15000	96	92	75-125	3	20	
Silica	ug/L	13000	10700	10700	24000	23600	103	99	75-125	2	20	N2
Sodium	ug/L	27100	10000	10000	36500	35600	93	84	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 762143
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3493555 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/13/23 13:47	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/13/23 13:47	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/13/23 13:47	

LABORATORY CONTROL SAMPLE: 3493556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	20000	18600	93	80-120	
Manganese, Dissolved	ug/L	2000	1750	87	80-120	
Molybdenum, Dissolved	ug/L	2000	1930	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493557 3493558

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	2210	10000	10000	11100	11600	89	94	75-125	4	20	
Manganese, Dissolved	ug/L	274	1000	1000	1110	1150	83	87	75-125	4	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	942	978	93	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 760849
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3487263 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/07/23 03:36	
Arsenic	ug/L	ND	1.0	0.075	11/07/23 03:36	
Beryllium	ug/L	ND	0.20	0.035	11/07/23 03:36	
Cobalt	ug/L	ND	1.0	0.046	11/07/23 03:36	
Selenium	ug/L	ND	1.0	0.20	11/07/23 03:36	

LABORATORY CONTROL SAMPLE: 3487264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.5	101	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Beryllium	ug/L	40	38.4	96	80-120	
Cobalt	ug/L	40	42.1	105	80-120	
Selenium	ug/L	40	40.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3487265 3487266

Parameter	Units	50358390001 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	40.8	40.4	102	101	75-125	1	20	
Arsenic	ug/L	2.8	40	40	41.8	41.5	97	97	75-125	1	20	
Beryllium	ug/L	ND	40	40	40.7	41.7	102	104	75-125	3	20	
Cobalt	ug/L	ND	40	40	39.2	39.4	98	98	75-125	1	20	
Selenium	ug/L	ND	40	40	40.5	39.5	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 760837
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3487198 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/03/23 22:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/03/23 22:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/03/23 22:45	

LABORATORY CONTROL SAMPLE: 3487199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	90-110	

SAMPLE DUPLICATE: 3487200

Parameter	Units	50358236009 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	79.8	82.2	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	79.8	82.2	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10.0	ND		20	

SAMPLE DUPLICATE: 3487201

Parameter	Units	50358317001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	176	181	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	176	181	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10.0	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 761526
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3490347 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/08/23 14:15	

LABORATORY CONTROL SAMPLE: 3490348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	288	96	80-120	

SAMPLE DUPLICATE: 3490349

Parameter	Units	50358597005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	PL

SAMPLE DUPLICATE: 3490350

Parameter	Units	50358589002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2700	2560	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 762920
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: 50358466001, 50358466002, 50358466003

SAMPLE DUPLICATE: 3496667

Parameter	Units	50358455002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	1	2	H3

SAMPLE DUPLICATE: 3496668

Parameter	Units	50358484007 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.9	6.9	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 761010
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3488126 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/06/23 13:55	

LABORATORY CONTROL SAMPLE: 3488127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.54	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3488128 3488129

Parameter	Units	50358484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.55	105	105	90-110	0	20	

MATRIX SPIKE SAMPLE: 3488130

Parameter	Units	50358538003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.51	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 762067
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3493223 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 10:49	H3,N2

LABORATORY CONTROL SAMPLE: 3493224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	100	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493225 3493226

Parameter	Units	50358390001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	0.69	2.5	2.5	3.3	3.3	103	103	90-110	0	20	H3,N2

MATRIX SPIKE SAMPLE: 3493227

Parameter	Units	50358454002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.0	103	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 760855
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: 50358466003

METHOD BLANK: 3487293 Matrix: Water
Associated Lab Samples: 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/04/23 00:44	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/04/23 00:44	

LABORATORY CONTROL SAMPLE: 3487294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	105	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 3487295

Parameter	Units	50358418003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	107	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 3487296

Parameter	Units	50358423019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	107	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	106	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 760857
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: 50358466001, 50358466002

METHOD BLANK: 3487300 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/04/23 01:34	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/04/23 01:34	

LABORATORY CONTROL SAMPLE: 3487301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	106	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 3487302

Parameter	Units	50358539001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.82	1	1.9	107	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 3487303

Parameter	Units	50358538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	0.63	63	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 761823
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3491765 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/14/23 17:01	

LABORATORY CONTROL SAMPLE: 3491766

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491767 3491768

Parameter	Units	50358969001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.6	1.6				1		

MATRIX SPIKE SAMPLE: 3491769

Parameter	Units	50359113001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	6.0		7.7			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 762135 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3493531 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/11/23 05:59	

LABORATORY CONTROL SAMPLE: 3493532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493533 3493534

Parameter	Units	50358403008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	4.8	40	40	44.9	44.3	100	99	80-120	1	20	

MATRIX SPIKE SAMPLE: 3493535

Parameter	Units	50358454001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.1	10	16.7	156	80-120	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 762633
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466001

METHOD BLANK: 3495673 Matrix: Water
Associated Lab Samples: 50358466001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/14/23 19:55	

LABORATORY CONTROL SAMPLE: 3495674

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: 3495675 3495676

Parameter	Units	50358403008 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	6.8	10	10	16.1	16.2	93	94	80-120	0	20	

MATRIX SPIKE SAMPLE: 3495677

Parameter	Units	50358403009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	8.5	10	17.9	94	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 763087
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358466002, 50358466003

METHOD BLANK: 3497510 Matrix: Water
Associated Lab Samples: 50358466002, 50358466003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/15/23 22:16	

LABORATORY CONTROL SAMPLE: 3497511

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: 3497512 3497513

Parameter	Units	50358466002 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	2.0	10	10	11.4	11.4	94	94	80-120	0	20	

MATRIX SPIKE SAMPLE: 3497514

Parameter	Units	50358466003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.8	10	11.1	94	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: MW-9I **Lab ID: 50358466001** Collected: 11/03/23 10:37 Received: 11/03/23 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	**0.427 ± 0.558 (0.920) C:NA T:92%**	pCi/L	11/22/23 12:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.715 ± 0.389 (0.692) C:89% T:85%**	pCi/L	11/16/23 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.14 ± 0.947 (1.61)**	pCi/L	11/22/23 13:35	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: MW-9D **Lab ID: 50358466002** Collected: 11/03/23 10:25 Received: 11/03/23 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	**0.974 ± 0.682 (0.900) C:NA T:87%**	pCi/L	11/22/23 12:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.169 ± 0.334 (0.736) C:88% T:85%**	pCi/L	11/16/23 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.14 ± 1.02 (1.64)**	pCi/L	11/22/23 13:35	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Sample: Dup 3 **Lab ID: 50358466003** Collected: 11/03/23 08:00 Received: 11/03/23 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	**0.151 ± 0.628 (1.20) C:NA T:94%**	pCi/L	11/22/23 12:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.706 ± 0.403 (0.723) C:81% T:84%**	pCi/L	11/16/23 16:33	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.857 ± 1.03 (1.92)**	pCi/L	11/22/23 13:35	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 629057
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: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3066679 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.339 ± 0.305 (0.613) C:84% T:85%	pCi/L	11/16/23 12:44	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

QC Batch: 629055
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: 50358466001, 50358466002, 50358466003

METHOD BLANK: 3066673 Matrix: Water
Associated Lab Samples: 50358466001, 50358466002, 50358466003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.115 ± 0.263 (0.424) C:NA T:91%	pCi/L	11/22/23 11:51	

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

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358466001	**MW-9I**	EPA 9056	761948		
50358466002	**MW-9D**	EPA 9056	761948		
50358466003	**Dup 3**	EPA 9056	761948		
50358466001	**MW-9I**	EPA 3010	761569	EPA 6010	762571
50358466002	**MW-9D**	EPA 3010	761569	EPA 6010	762571
50358466003	**Dup 3**	EPA 3010	761569	EPA 6010	762571
50358466001	**MW-9I**	EPA 3010	762143	EPA 6010	762576
50358466002	**MW-9D**	EPA 3010	762143	EPA 6010	762576
50358466003	**Dup 3**	EPA 3010	762143	EPA 6010	762576
50358466001	**MW-9I**	EPA 200.2	760849	EPA 6020	760974
50358466002	**MW-9D**	EPA 200.2	760849	EPA 6020	760974
50358466003	**Dup 3**	EPA 200.2	760849	EPA 6020	760974
50358466001	**MW-9I**	EPA 903.1	629055		
50358466002	**MW-9D**	EPA 903.1	629055		
50358466003	**Dup 3**	EPA 903.1	629055		
50358466001	**MW-9I**	EPA 904.0	629057		
50358466002	**MW-9D**	EPA 904.0	629057		
50358466003	**Dup 3**	EPA 904.0	629057		
50358466001	**MW-9I**	Total Radium Calculation	631755		
50358466002	**MW-9D**	Total Radium Calculation	631755		
50358466003	**Dup 3**	Total Radium Calculation	631755		
50358466001	**MW-9I**	SM 2320B	760837		
50358466002	**MW-9D**	SM 2320B	760837		
50358466003	**Dup 3**	SM 2320B	760837		
50358466001	**MW-9I**	SM 2540C	761526		
50358466002	**MW-9D**	SM 2540C	761526		
50358466003	**Dup 3**	SM 2540C	761526		
50358466001	**MW-9I**	SM 4500-H+B	762920		
50358466002	**MW-9D**	SM 4500-H+B	762920		
50358466003	**Dup 3**	SM 4500-H+B	762920		
50358466001	**MW-9I**	SM 4500-S2-D	761010		
50358466002	**MW-9D**	SM 4500-S2-D	761010		
50358466003	**Dup 3**	SM 4500-S2-D	761010		
50358466001	**MW-9I**	HACH 8146	762067		
50358466002	**MW-9D**	HACH 8146	762067		
50358466003	**Dup 3**	HACH 8146	762067		
50358466001	**MW-9I**	EPA 353.2	760857		
50358466002	**MW-9D**	EPA 353.2	760857		
50358466003	**Dup 3**	EPA 353.2	760855		
50358466001	**MW-9I**	EPA 365.1	761823	EPA 365.1	762969
50358466002	**MW-9D**	EPA 365.1	761823	EPA 365.1	762969
50358466003	**Dup 3**	EPA 365.1	761823	EPA 365.1	762969

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358466

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358466001	**MW-9I**	SM 5310C	762135		
50358466002	**MW-9D**	SM 5310C	762135		
50358466003	**Dup 3**	SM 5310C	762135		
50358466001	**MW-9I**	SM 5310C	762633		
50358466002	**MW-9D**	SM 5310C	763087		
50358466003	**Dup 3**	SM 5310C	763087		

Pace

CHAIN-OF-CUSTODY /

The Chain-of-Custody is a LEGAL D

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms a

WO# : 50358466

50358466

...ns.pdf.

Page: 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AES/IPL Petersburg	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
	Suite 100, Indianapolis, IN 46256			Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street Nov 2023	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:	PIR)	Pace Profile #:	10498-48

Regulatory Agency	
State / Location	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	Tot Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-9I	WT		11.3.23	1037				11	3	3	4	[redacted]	1				x	x	x	x	x	x	x	x	x	x		001
2	MW-9D	WT			1025		[redacted]											x	x	x	x	x	x	x	x	x	x		002
3	Dup 3	WT			—		—											x	x	x	x	x	x	x	x	x	x		003
4		WT																x	x	x	x	x	x	x	x	x	x		
5		WT																x	x	x	x	x	x	x	x	x	x		
6		WT																x	x	x	x	x	x	x	x	x	x		
7		WT																x	x	x	x	x	x	x	x	x	x		
8		WT																x	x	x	x	x	x	x	x	x	x		
9		WT																x	x	x	x	x	x	x	x	x	x		
10		WT																x	x	x	x	x	x	x	x	x	x		
11		WT																x	x	x	x	x	x	x	x	x	x		
12																		x	x	x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Keegan Lowhead/Atlas	11.3.23	1300	[signature]	11/3/23	1300	0.5	Y	N	Y
6020 - Be,Co, As, Se, Sb (5)							0.6			
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)										
6010 diss - Fe, Mn, Mo (3)										

Short Hold

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Keegan Lowhead	JOHN A. MAGILLER	
SIGNATURE of SAMPLER:	[signature]	DATE Signed:	11.3.23

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/3/23 1315 JA

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C (D) E F G H

4. **Cooler Temperature(s):** 0.5/0.5 | 0.6/0.6 | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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:** Nitrates	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1436			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 RED 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	1			2	2	1	1	1	1		1					WT	✓	✓		✓
2												↓	↓			↓	↓	↓	↓	↓	↓		↓					↓	✓	✓		✓
3												↓	↓			↓	↓	↓	↓	↓	↓		↓					↓	✓	✓		✓
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 06, 2023. 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,

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: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50358774001	**MW-14D**	Water	11/06/23 16:50	11/06/23 18:00
50358774002	**MW-14D1**	Water	11/06/23 12:15	11/06/23 18:00
50358774003	**MW-14I**	Water	11/06/23 15:30	11/06/23 18:00
50358774004	**MW-14IL**	Water	11/06/23 13:45	11/06/23 18:00
50358774005	**DUP-4**	Water	11/06/23 08:00	11/06/23 18:00
50358774006	**Field Blank**	Water	11/06/23 10:30	11/06/23 18:00

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50358774001	**MW-14D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358774002	**MW-14D1**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358774003	**MW-14I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358774004	**MW-14IL**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358774005	**DUP-4**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358774006	**Field Blank**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358774001	**MW-14D**					
EPA 9056	Chloride	338	mg/L	25.0	11/14/23 14:03	
EPA 9056	Fluoride	0.26	mg/L	0.10	11/11/23 08:55	
EPA 9056	Sulfate	2060	mg/L	25.0	11/14/23 14:03	
EPA 6010	Aluminum	586	ug/L	200	11/11/23 17:38	
EPA 6010	Barium	49.3	ug/L	10.0	11/11/23 17:38	
EPA 6010	Boron	46800	ug/L	100	11/11/23 17:38	
EPA 6010	Calcium	431000	ug/L	3000	11/11/23 18:16	
EPA 6010	Iron	3100	ug/L	100	11/11/23 17:38	
EPA 6010	Lithium	666	ug/L	20.0	11/11/23 17:38	
EPA 6010	Magnesium	151000	ug/L	1000	11/11/23 17:38	
EPA 6010	Manganese	269	ug/L	10.0	11/11/23 17:38	
EPA 6010	Molybdenum	222	ug/L	10.0	11/11/23 17:38	
EPA 6010	Potassium	57400	ug/L	1000	11/11/23 17:38	
EPA 6010	Silica	12600	ug/L	450	11/11/23 17:38	N2
EPA 6010	Sodium	412000	ug/L	3000	11/11/23 18:16	
EPA 6010	Iron, Dissolved	1860	ug/L	100	11/15/23 11:35	
EPA 6010	Manganese, Dissolved	254	ug/L	10.0	11/15/23 11:35	
EPA 6010	Molybdenum, Dissolved	231	ug/L	10.0	11/15/23 11:35	
EPA 6020	Arsenic	112	ug/L	1.0	11/09/23 00:55	
EPA 903.1	Radium-226	0.138 ± 0.716 (1.34) C:NA T:87%	pCi/L		11/29/23 14:04	
EPA 904.0	Radium-228	1.85 ± 0.679 (1.06) C:74% T:79%	pCi/L		11/27/23 12:42	
Total Radium Calculation	Total Radium	1.99 ± 1.40 (2.40)	pCi/L		11/30/23 10:12	
SM 2320B	Alkalinity, Total as CaCO3	179	mg/L	10.0	11/08/23 23:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	179	mg/L	10.0	11/08/23 23:09	
SM 2540C	Total Dissolved Solids	3670	mg/L	40.0	11/10/23 16:43	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	11/14/23 18:10	H3
HACH 8146	Iron, Ferrous	0.35	mg/L	0.20	11/10/23 13:00	H3,N2
EPA 365.1	Phosphate as P04	0.75	mg/L	0.15	11/17/23 13:22	
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	2.0	11/17/23 08:06	
50358774002	**MW-14D1**					
EPA 9056	Chloride	126	mg/L	2.5	11/14/23 14:21	
EPA 9056	Fluoride	0.24	mg/L	0.10	11/11/23 09:50	
EPA 9056	Sulfate	75.2	mg/L	2.5	11/14/23 14:21	
EPA 6010	Barium	383	ug/L	10.0	11/11/23 17:39	
EPA 6010	Boron	268	ug/L	100	11/11/23 17:39	
EPA 6010	Calcium	98500	ug/L	1000	11/11/23 17:39	
EPA 6010	Iron	5660	ug/L	100	11/11/23 17:39	
EPA 6010	Magnesium	26900	ug/L	1000	11/11/23 17:39	
EPA 6010	Manganese	145	ug/L	10.0	11/11/23 17:39	
EPA 6010	Potassium	3640	ug/L	1000	11/11/23 17:39	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358774002	**MW-14D1**					
EPA 6010	Silica	14000	ug/L	450	11/11/23 17:39	N2
EPA 6010	Sodium	66100	ug/L	1000	11/11/23 17:39	
EPA 6010	Iron, Dissolved	5780	ug/L	100	11/15/23 11:36	
EPA 6010	Manganese, Dissolved	147	ug/L	10.0	11/15/23 11:36	
EPA 6020	Arsenic	23.5	ug/L	1.0	11/09/23 00:59	
EPA 903.1	Radium-226	0.821 ± 0.616 (0.880) C:NA T:84%	pCi/L		11/29/23 14:04	
EPA 904.0	Radium-228	0.607 ± 0.452 (0.899) C:78% T:86%	pCi/L		11/27/23 12:42	
Total Radium Calculation	Total Radium	1.43 ± 1.07 (1.78)	pCi/L		11/30/23 10:12	
SM 2320B	Alkalinity, Total as CaCO3	265	mg/L	10.0	11/08/23 23:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	265	mg/L	10.0	11/08/23 23:09	
SM 2540C	Total Dissolved Solids	563	mg/L	10.0	11/10/23 16:43	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	11/14/23 18:11	H3
HACH 8146	Iron, Ferrous	4.0	mg/L	0.50	11/10/23 12:49	H3,N2
EPA 365.1	Phosphate as P04	0.77	mg/L	0.15	11/17/23 13:22	
SM 5310C	Total Organic Carbon	1.9	mg/L	1.0	11/16/23 23:17	
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	1.0	11/16/23 19:31	
50358774003	**MW-14I**					
EPA 9056	Chloride	170	mg/L	2.5	11/11/23 12:33	
EPA 9056	Fluoride	0.37	mg/L	0.10	11/11/23 11:22	
EPA 9056	Sulfate	1550	mg/L	25.0	11/14/23 14:39	
EPA 6010	Barium	31.9	ug/L	10.0	11/11/23 17:41	
EPA 6010	Boron	35200	ug/L	100	11/11/23 17:41	
EPA 6010	Calcium	418000	ug/L	3000	11/11/23 18:17	
EPA 6010	Iron	7550	ug/L	100	11/11/23 17:41	
EPA 6010	Lithium	464	ug/L	20.0	11/11/23 17:41	
EPA 6010	Magnesium	134000	ug/L	1000	11/11/23 17:41	
EPA 6010	Manganese	473	ug/L	10.0	11/11/23 17:41	
EPA 6010	Molybdenum	116	ug/L	10.0	11/11/23 17:41	
EPA 6010	Potassium	32000	ug/L	1000	11/11/23 17:41	
EPA 6010	Silica	13800	ug/L	450	11/11/23 17:41	N2
EPA 6010	Sodium	190000	ug/L	1000	11/11/23 17:41	
EPA 6010	Iron, Dissolved	7730	ug/L	100	11/15/23 11:41	
EPA 6010	Manganese, Dissolved	494	ug/L	10.0	11/15/23 11:41	
EPA 6010	Molybdenum, Dissolved	122	ug/L	10.0	11/15/23 11:41	
EPA 6020	Arsenic	2.1	ug/L	1.0	11/09/23 01:02	
EPA 903.1	Radium-226	4.12 ± 1.25 (1.15) C:NA T:90%	pCi/L		11/29/23 14:04	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358774003	**MW-14I**					
EPA 904.0	Radium-228	1.37 ± 0.533 (0.844) C:79% T:83%	pCi/L		11/27/23 12:42	
Total Radium Calculation	Total Radium	5.49 ± 1.78 (1.99)	pCi/L		11/30/23 10:12	
SM 2320B	Alkalinity, Total as CaCO3	251	mg/L	10.0	11/08/23 23:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	251	mg/L	10.0	11/08/23 23:09	
SM 2540C	Total Dissolved Solids	2860	mg/L	20.0	11/10/23 16:43	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	11/14/23 18:11	H3
HACH 8146	Iron, Ferrous	0.24	mg/L	0.20	11/10/23 12:59	H3,N2
EPA 365.1	Phosphate as P04	0.27	mg/L	0.15	11/17/23 13:23	
SM 5310C	Total Organic Carbon	1.7	mg/L	1.0	11/17/23 00:28	
SM 5310C	Dissolved Organic Carbon	3.3	mg/L	1.0	11/16/23 19:42	
50358774004	**MW-14IL**					
EPA 9056	Chloride	142	mg/L	2.5	11/14/23 14:58	
EPA 9056	Fluoride	0.25	mg/L	0.10	11/11/23 13:09	
EPA 9056	Sulfate	102	mg/L	2.5	11/14/23 14:58	
EPA 6010	Barium	392	ug/L	10.0	11/11/23 17:42	
EPA 6010	Boron	260	ug/L	100	11/11/23 17:42	
EPA 6010	Calcium	99900	ug/L	1000	11/11/23 17:42	
EPA 6010	Iron	6240	ug/L	100	11/11/23 17:42	
EPA 6010	Magnesium	27500	ug/L	1000	11/11/23 17:42	
EPA 6010	Manganese	252	ug/L	10.0	11/11/23 17:42	
EPA 6010	Potassium	3450	ug/L	1000	11/11/23 17:42	
EPA 6010	Silica	13600	ug/L	450	11/11/23 17:42	N2
EPA 6010	Sodium	74700	ug/L	1000	11/11/23 17:42	
EPA 6010	Iron, Dissolved	6230	ug/L	100	11/15/23 11:42	
EPA 6010	Manganese, Dissolved	253	ug/L	10.0	11/15/23 11:42	
EPA 6020	Arsenic	23.0	ug/L	1.0	11/09/23 01:12	
EPA 903.1	Radium-226	1.23 ± 0.898 (1.35) C:NA T:86%	pCi/L		11/29/23 14:16	
EPA 904.0	Radium-228	1.61 ± 0.574 (0.852) C:77% T:84%	pCi/L		11/27/23 12:42	
Total Radium Calculation	Total Radium	2.84 ± 1.47 (2.20)	pCi/L		11/30/23 10:12	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	11/08/23 23:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	11/08/23 23:09	
SM 2540C	Total Dissolved Solids	623	mg/L	10.0	11/10/23 16:43	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	11/14/23 18:12	H3
HACH 8146	Iron, Ferrous	1.6	mg/L	0.20	11/10/23 12:49	H3,N2
EPA 365.1	Phosphate as P04	0.85	mg/L	0.15	11/17/23 13:24	
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	11/17/23 00:48	
SM 5310C	Dissolved Organic Carbon	4.0	mg/L	1.0	11/16/23 19:54	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358774005	**DUP-4**					
EPA 9056	Chloride	335	mg/L	25.0	11/14/23 15:16	
EPA 9056	Fluoride	0.26	mg/L	0.10	11/11/23 14:05	
EPA 9056	Sulfate	2050	mg/L	25.0	11/14/23 15:16	
EPA 6010	Aluminum	581	ug/L	200	11/11/23 17:44	
EPA 6010	Barium	50.0	ug/L	10.0	11/11/23 17:44	
EPA 6010	Boron	48000	ug/L	100	11/11/23 17:44	
EPA 6010	Calcium	431000	ug/L	3000	11/11/23 18:19	
EPA 6010	Iron	3150	ug/L	100	11/11/23 17:44	
EPA 6010	Lithium	687	ug/L	20.0	11/11/23 17:44	
EPA 6010	Magnesium	157000	ug/L	1000	11/11/23 17:44	
EPA 6010	Manganese	275	ug/L	10.0	11/11/23 17:44	
EPA 6010	Molybdenum	225	ug/L	10.0	11/11/23 17:44	
EPA 6010	Potassium	59300	ug/L	1000	11/11/23 17:44	
EPA 6010	Silica	12800	ug/L	450	11/11/23 17:44	N2
EPA 6010	Sodium	411000	ug/L	3000	11/11/23 18:19	
EPA 6010	Iron, Dissolved	1880	ug/L	100	11/15/23 11:43	
EPA 6010	Manganese, Dissolved	255	ug/L	10.0	11/15/23 11:43	
EPA 6010	Molybdenum, Dissolved	233	ug/L	10.0	11/15/23 11:43	
EPA 6020	Arsenic	113	ug/L	1.0	11/09/23 01:16	
EPA 903.1	Radium-226	0.491 ± 0.616 (1.02) C:NA T:86%	pCi/L		11/29/23 14:16	
EPA 904.0	Radium-228	2.15 ± 0.820 (1.27) C:56% T:82%	pCi/L		11/27/23 12:42	
Total Radium Calculation	Total Radium	2.64 ± 1.44 (2.29)	pCi/L		11/30/23 10:12	
SM 2320B	Alkalinity, Total as CaCO3	181	mg/L	10.0	11/08/23 23:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	181	mg/L	10.0	11/08/23 23:09	
SM 2540C	Total Dissolved Solids	3740	mg/L	40.0	11/10/23 16:43	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/14/23 18:13	H3
HACH 8146	Iron, Ferrous	0.42	mg/L	0.20	11/10/23 12:40	H3,N2
EPA 365.1	Phosphate as P04	0.84	mg/L	0.15	11/17/23 13:26	
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	2.0	11/17/23 08:17	
50358774006	**Field Blank**					
EPA 903.1	Radium-226	0.224 ± 0.348 (0.603) C:NA T:88%	pCi/L		11/29/23 14:16	
EPA 904.0	Radium-228	0.246 ± 0.439 (0.961) C:73% T:83%	pCi/L		11/27/23 16:28	
Total Radium Calculation	Total Radium	0.470 ± 0.787 (1.56)	pCi/L		11/30/23 10:12	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358774006	**Field Blank**					
SM 4500-H+B	pH at 25 Degrees C	9.0	Std. Units	0.10	11/14/23 18:13	H3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14D **Lab ID: 50358774001** Collected: 11/06/23 16:50 Received: 11/06/23 18:00 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	**338**	mg/L	25.0	6.7	100		11/14/23 14:03	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		11/11/23 08:55	16984-48-8	
Sulfate	**2060**	mg/L	25.0	19.0	100		11/14/23 14:03	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	**586**	ug/L	200	79.3	1	11/09/23 21:16	11/11/23 17:38	7429-90-5	
Barium	**49.3**	ug/L	10.0	1.6	1	11/09/23 21:16	11/11/23 17:38	7440-39-3	
Boron	**46800**	ug/L	100	11.4	1	11/09/23 21:16	11/11/23 17:38	7440-42-8	
Calcium	**431000**	ug/L	3000	170	3	11/09/23 21:16	11/11/23 18:16	7440-70-2	
Iron	**3100**	ug/L	100	18.1	1	11/09/23 21:16	11/11/23 17:38	7439-89-6	
Lithium	**666**	ug/L	20.0	5.1	1	11/09/23 21:16	11/11/23 17:38	7439-93-2	
Magnesium	**151000**	ug/L	1000	32.8	1	11/09/23 21:16	11/11/23 17:38	7439-95-4	
Manganese	**269**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:38	7439-96-5	
Molybdenum	**222**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:38	7439-98-7	
Potassium	**57400**	ug/L	1000	120	1	11/09/23 21:16	11/11/23 17:38	7440-09-7	
Silica	**12600**	ug/L	450		1	11/09/23 21:16	11/11/23 17:38	7631-86-9	N2
Sodium	**412000**	ug/L	3000	145	3	11/09/23 21:16	11/11/23 18:16	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1860**	ug/L	100	30.0	1	11/13/23 16:22	11/15/23 11:35	7439-89-6	
Manganese, Dissolved	**254**	ug/L	10.0	1.8	1	11/13/23 16:22	11/15/23 11:35	7439-96-5	
Molybdenum, Dissolved	**231**	ug/L	10.0	0.78	1	11/13/23 16:22	11/15/23 11:35	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	0.49	1	11/08/23 07:26	11/10/23 04:53	7440-36-0	
Arsenic	**112**	ug/L	1.0	0.075	1	11/08/23 07:26	11/09/23 00:55	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 07:26	11/10/23 04:53	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 07:26	11/09/23 00:55	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 07:26	11/09/23 00:55	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**179**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Bicarbonate (CaCO3)	**179**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 23:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3670**	mg/L	40.0	40.0	1		11/10/23 16:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14D **Lab ID: 50358774001** Collected: 11/06/23 16:50 Received: 11/06/23 18:00 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	**7.3**	Std. Units	0.10	0.10	1		11/14/23 18:10		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.35**	mg/L	0.20	0.035	1		11/10/23 13:00	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/06/23 23:59	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/06/23 23:59	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.75**	mg/L	0.15	0.15	1	11/16/23 11:00	11/17/23 13:22		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/17/23 10:41	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.5**	mg/L	2.0	0.47	2		11/17/23 08:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14D1 **Lab ID: 50358774002** Collected: 11/06/23 12:15 Received: 11/06/23 18:00 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	**126**	mg/L	2.5	0.67	10		11/14/23 14:21	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	0.017	1		11/11/23 09:50	16984-48-8	
Sulfate	**75.2**	mg/L	2.5	1.9	10		11/14/23 14:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/09/23 21:16	11/11/23 17:39	7429-90-5	
Barium	**383**	ug/L	10.0	1.6	1	11/09/23 21:16	11/11/23 17:39	7440-39-3	
Boron	**268**	ug/L	100	11.4	1	11/09/23 21:16	11/11/23 17:39	7440-42-8	
Calcium	**98500**	ug/L	1000	56.7	1	11/09/23 21:16	11/11/23 17:39	7440-70-2	
Iron	**5660**	ug/L	100	18.1	1	11/09/23 21:16	11/11/23 17:39	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/09/23 21:16	11/11/23 17:39	7439-93-2	
Magnesium	**26900**	ug/L	1000	32.8	1	11/09/23 21:16	11/11/23 17:39	7439-95-4	
Manganese	**145**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:39	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:39	7439-98-7	
Potassium	**3640**	ug/L	1000	120	1	11/09/23 21:16	11/11/23 17:39	7440-09-7	
Silica	**14000**	ug/L	450		1	11/09/23 21:16	11/11/23 17:39	7631-86-9	N2
Sodium	**66100**	ug/L	1000	48.2	1	11/09/23 21:16	11/11/23 17:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**5780**	ug/L	100	30.0	1	11/13/23 16:22	11/15/23 11:36	7439-89-6	
Manganese, Dissolved	**147**	ug/L	10.0	1.8	1	11/13/23 16:22	11/15/23 11:36	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/13/23 16:22	11/15/23 11:36	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	0.49	1	11/08/23 07:26	11/10/23 04:05	7440-36-0	
Arsenic	**23.5**	ug/L	1.0	0.075	1	11/08/23 07:26	11/09/23 00:59	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 07:26	11/10/23 04:05	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 07:26	11/09/23 00:59	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 07:26	11/09/23 00:59	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**265**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Bicarbonate (CaCO3)	**265**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 23:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**563**	mg/L	10.0	10.0	1		11/10/23 16:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14D1 **Lab ID: 50358774002** Collected: 11/06/23 12:15 Received: 11/06/23 18:00 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	**7.8**	Std. Units	0.10	0.10	1		11/14/23 18:11		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**4.0**	mg/L	0.50	0.088	2.5		11/10/23 12:49	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/06/23 23:54	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/06/23 23:54	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.77**	mg/L	0.15	0.15	1	11/16/23 11:00	11/17/23 13:22		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/16/23 23:17	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	1.0	0.24	1		11/16/23 19:31		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14I **Lab ID: 50358774003** Collected: 11/06/23 15:30 Received: 11/06/23 18:00 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	**170**	mg/L	2.5	0.67	10		11/11/23 12:33	16887-00-6	
Fluoride	**0.37**	mg/L	0.10	0.017	1		11/11/23 11:22	16984-48-8	
Sulfate	**1550**	mg/L	25.0	19.0	100		11/14/23 14:39	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/09/23 21:16	11/11/23 17:41	7429-90-5	
Barium	**31.9**	ug/L	10.0	1.6	1	11/09/23 21:16	11/11/23 17:41	7440-39-3	
Boron	**35200**	ug/L	100	11.4	1	11/09/23 21:16	11/11/23 17:41	7440-42-8	
Calcium	**418000**	ug/L	3000	170	3	11/09/23 21:16	11/11/23 18:17	7440-70-2	
Iron	**7550**	ug/L	100	18.1	1	11/09/23 21:16	11/11/23 17:41	7439-89-6	
Lithium	**464**	ug/L	20.0	5.1	1	11/09/23 21:16	11/11/23 17:41	7439-93-2	
Magnesium	**134000**	ug/L	1000	32.8	1	11/09/23 21:16	11/11/23 17:41	7439-95-4	
Manganese	**473**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:41	7439-96-5	
Molybdenum	**116**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:41	7439-98-7	
Potassium	**32000**	ug/L	1000	120	1	11/09/23 21:16	11/11/23 17:41	7440-09-7	
Silica	**13800**	ug/L	450		1	11/09/23 21:16	11/11/23 17:41	7631-86-9	N2
Sodium	**190000**	ug/L	1000	48.2	1	11/09/23 21:16	11/11/23 17:41	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**7730**	ug/L	100	30.0	1	11/13/23 16:22	11/15/23 11:41	7439-89-6	
Manganese, Dissolved	**494**	ug/L	10.0	1.8	1	11/13/23 16:22	11/15/23 11:41	7439-96-5	
Molybdenum, Dissolved	**122**	ug/L	10.0	0.78	1	11/13/23 16:22	11/15/23 11:41	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	0.49	1	11/08/23 07:26	11/10/23 05:00	7440-36-0	
Arsenic	**2.1**	ug/L	1.0	0.075	1	11/08/23 07:26	11/09/23 01:02	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 07:26	11/10/23 05:00	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 07:26	11/09/23 01:02	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 07:26	11/09/23 01:02	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**251**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Bicarbonate (CaCO3)	**251**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 23:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**2860**	mg/L	20.0	20.0	1		11/10/23 16:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14I **Lab ID: 50358774003** Collected: 11/06/23 15:30 Received: 11/06/23 18:00 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	**7.3**	Std. Units	0.10	0.10	1		11/14/23 18:11		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.24**	mg/L	0.20	0.035	1		11/10/23 12:59	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/06/23 23:57	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/06/23 23:57	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.27**	mg/L	0.15	0.15	1	11/16/23 11:00	11/17/23 13:23		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.7**	mg/L	1.0	0.24	1		11/17/23 00:28	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.3**	mg/L	1.0	0.24	1		11/16/23 19:42		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14IL **Lab ID: 50358774004** Collected: 11/06/23 13:45 Received: 11/06/23 18:00 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	**142**	mg/L	2.5	0.67	10		11/14/23 14:58	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.017	1		11/11/23 13:09	16984-48-8	
Sulfate	**102**	mg/L	2.5	1.9	10		11/14/23 14:58	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/09/23 21:16	11/11/23 17:42	7429-90-5	
Barium	**392**	ug/L	10.0	1.6	1	11/09/23 21:16	11/11/23 17:42	7440-39-3	
Boron	**260**	ug/L	100	11.4	1	11/09/23 21:16	11/11/23 17:42	7440-42-8	
Calcium	**99900**	ug/L	1000	56.7	1	11/09/23 21:16	11/11/23 17:42	7440-70-2	
Iron	**6240**	ug/L	100	18.1	1	11/09/23 21:16	11/11/23 17:42	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/09/23 21:16	11/11/23 17:42	7439-93-2	
Magnesium	**27500**	ug/L	1000	32.8	1	11/09/23 21:16	11/11/23 17:42	7439-95-4	
Manganese	**252**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:42	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:42	7439-98-7	
Potassium	**3450**	ug/L	1000	120	1	11/09/23 21:16	11/11/23 17:42	7440-09-7	
Silica	**13600**	ug/L	450		1	11/09/23 21:16	11/11/23 17:42	7631-86-9	N2
Sodium	**74700**	ug/L	1000	48.2	1	11/09/23 21:16	11/11/23 17:42	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**6230**	ug/L	100	30.0	1	11/13/23 16:22	11/15/23 11:42	7439-89-6	
Manganese, Dissolved	**253**	ug/L	10.0	1.8	1	11/13/23 16:22	11/15/23 11:42	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/13/23 16:22	11/15/23 11:42	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	0.49	1	11/08/23 07:26	11/10/23 04:09	7440-36-0	
Arsenic	**23.0**	ug/L	1.0	0.075	1	11/08/23 07:26	11/09/23 01:12	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 07:26	11/10/23 04:09	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 07:26	11/09/23 01:12	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 07:26	11/09/23 01:12	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**258**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 23:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**623**	mg/L	10.0	10.0	1		11/10/23 16:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14IL **Lab ID: 50358774004** Collected: 11/06/23 13:45 Received: 11/06/23 18:00 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	**7.6**	Std. Units	0.10	0.10	1		11/14/23 18:12		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.6**	mg/L	0.20	0.035	1		11/10/23 12:49	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/06/23 23:56	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/06/23 23:56	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.85**	mg/L	0.15	0.15	1	11/16/23 11:00	11/17/23 13:24		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.0**	mg/L	1.0	0.24	1		11/17/23 00:48	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.0**	mg/L	1.0	0.24	1		11/16/23 19:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: DUP-4 **Lab ID: 50358774005** Collected: 11/06/23 08:00 Received: 11/06/23 18:00 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	**335**	mg/L	25.0	6.7	100		11/14/23 15:16	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		11/11/23 14:05	16984-48-8	
Sulfate	**2050**	mg/L	25.0	19.0	100		11/14/23 15:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	**581**	ug/L	200	79.3	1	11/09/23 21:16	11/11/23 17:44	7429-90-5	
Barium	**50.0**	ug/L	10.0	1.6	1	11/09/23 21:16	11/11/23 17:44	7440-39-3	
Boron	**48000**	ug/L	100	11.4	1	11/09/23 21:16	11/11/23 17:44	7440-42-8	
Calcium	**431000**	ug/L	3000	170	3	11/09/23 21:16	11/11/23 18:19	7440-70-2	
Iron	**3150**	ug/L	100	18.1	1	11/09/23 21:16	11/11/23 17:44	7439-89-6	
Lithium	**687**	ug/L	20.0	5.1	1	11/09/23 21:16	11/11/23 17:44	7439-93-2	
Magnesium	**157000**	ug/L	1000	32.8	1	11/09/23 21:16	11/11/23 17:44	7439-95-4	
Manganese	**275**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:44	7439-96-5	
Molybdenum	**225**	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:44	7439-98-7	
Potassium	**59300**	ug/L	1000	120	1	11/09/23 21:16	11/11/23 17:44	7440-09-7	
Silica	**12800**	ug/L	450		1	11/09/23 21:16	11/11/23 17:44	7631-86-9	N2
Sodium	**411000**	ug/L	3000	145	3	11/09/23 21:16	11/11/23 18:19	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1880**	ug/L	100	30.0	1	11/13/23 16:22	11/15/23 11:43	7439-89-6	
Manganese, Dissolved	**255**	ug/L	10.0	1.8	1	11/13/23 16:22	11/15/23 11:43	7439-96-5	
Molybdenum, Dissolved	**233**	ug/L	10.0	0.78	1	11/13/23 16:22	11/15/23 11:43	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	0.49	1	11/08/23 07:26	11/10/23 05:07	7440-36-0	
Arsenic	**113**	ug/L	1.0	0.075	1	11/08/23 07:26	11/09/23 01:16	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 07:26	11/10/23 05:07	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 07:26	11/09/23 01:16	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 07:26	11/09/23 01:16	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**181**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Bicarbonate (CaCO3)	**181**	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 23:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3740**	mg/L	40.0	40.0	1		11/10/23 16:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: DUP-4 **Lab ID: 50358774005** Collected: 11/06/23 08:00 Received: 11/06/23 18:00 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	**7.4**	Std. Units	0.10	0.10	1		11/14/23 18:13		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.42**	mg/L	0.20	0.035	1		11/10/23 12:40	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/06/23 23:48	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/06/23 23:48	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.84**	mg/L	0.15	0.15	1	11/16/23 11:00	11/17/23 13:26		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/17/23 11:01	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.6**	mg/L	2.0	0.47	2		11/17/23 08:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: Field Blank **Lab ID: 50358774006** Collected: 11/06/23 10:30 Received: 11/06/23 18:00 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	0.067	1		11/11/23 03:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		11/11/23 03:05	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		11/11/23 03:05	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/09/23 21:16	11/11/23 17:45	7429-90-5	
Barium	ND	ug/L	10.0	1.6	1	11/09/23 21:16	11/11/23 17:45	7440-39-3	
Boron	ND	ug/L	100	11.4	1	11/09/23 21:16	11/11/23 17:45	7440-42-8	
Calcium	ND	ug/L	1000	56.7	1	11/09/23 21:16	11/11/23 17:45	7440-70-2	
Iron	ND	ug/L	100	18.1	1	11/09/23 21:16	11/11/23 17:45	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/09/23 21:16	11/11/23 17:45	7439-93-2	
Magnesium	ND	ug/L	1000	32.8	1	11/09/23 21:16	11/11/23 17:45	7439-95-4	
Manganese	ND	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:45	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/09/23 21:16	11/11/23 17:45	7439-98-7	
Potassium	ND	ug/L	1000	120	1	11/09/23 21:16	11/11/23 17:45	7440-09-7	
Silica	ND	ug/L	450		1	11/09/23 21:16	11/11/23 17:45	7631-86-9	N2
Sodium	ND	ug/L	1000	48.2	1	11/09/23 21:16	11/11/23 17:45	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	0.49	1	11/08/23 07:26	11/10/23 04:12	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/08/23 07:26	11/09/23 01:19	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 07:26	11/10/23 04:12	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 07:26	11/09/23 01:19	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 07:26	11/09/23 01:19	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		11/08/23 23:09		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 23:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 23:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		11/10/23 16:44		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**9.0**	Std. Units	0.10	0.10	1		11/14/23 18:13		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D								
	Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: Field Blank **Lab ID: 50358774006** Collected: 11/06/23 10:30 Received: 11/06/23 18:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 12:40	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/06/23 23:52	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/06/23 23:52	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/16/23 11:00	11/17/23 13:26		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	1.0	0.24	1		11/17/23 01:28	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 762095
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3493338 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/10/23 09:35	
Fluoride	mg/L	ND	0.10	0.017	11/10/23 09:35	
Sulfate	mg/L	ND	0.25	0.19	11/10/23 09:35	

LABORATORY CONTROL SAMPLE: 3493339

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	0.95	95	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493340 3493341

Parameter	Units	50359253005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	61.6	25	25	84.7	84.7	93	92	80-120	0	15	
Fluoride	mg/L	0.42	1	1	1.4	1.4	97	97	80-120	0	15	
Sulfate	mg/L	0.22J	5	5	5.0	4.9	96	94	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 761792
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3491664 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	79.3	11/11/23 17:26	
Barium	ug/L	ND	10.0	1.6	11/11/23 17:26	
Boron	ug/L	ND	100	11.4	11/11/23 17:26	
Calcium	ug/L	ND	1000	56.7	11/11/23 17:26	
Iron	ug/L	ND	100	18.1	11/11/23 17:26	
Lithium	ug/L	ND	20.0	5.1	11/11/23 17:26	
Magnesium	ug/L	ND	1000	32.8	11/11/23 17:26	
Manganese	ug/L	ND	10.0	1.1	11/11/23 17:26	
Molybdenum	ug/L	ND	10.0	1.1	11/11/23 17:26	
Potassium	ug/L	ND	1000	120	11/11/23 17:26	
Silica	ug/L	ND	450		11/11/23 17:26	N2
Sodium	ug/L	ND	1000	48.2	11/11/23 17:26	

LABORATORY CONTROL SAMPLE: 3491665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9010	90	80-120	
Barium	ug/L	1000	948	95	80-120	
Boron	ug/L	1000	936	94	80-120	
Calcium	ug/L	10000	9390	94	80-120	
Iron	ug/L	10000	9340	93	80-120	
Lithium	ug/L	1000	970	97	80-120	
Magnesium	ug/L	10000	9430	94	80-120	
Manganese	ug/L	1000	905	90	80-120	
Molybdenum	ug/L	1000	963	96	80-120	
Potassium	ug/L	10000	9320	93	80-120	
Silica	ug/L	10700	9920	93	80-120	N2
Sodium	ug/L	10000	9310	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491666 3491667

Parameter	Units	50358775002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	<200	10000	10000	9410	9280	92	91	75-125	1	20	
Barium	ug/L	53.4	1000	1000	1030	1010	98	96	75-125	2	20	
Boron	ug/L	<100	1000	1000	1010	997	96	95	75-125	1	20	
Calcium	ug/L	43800	10000	10000	55500	53600	117	98	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491666 3491667

Parameter	Units	50358775002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	915	10000	10000	10500	10300	96	94	75-125	2	20	
Lithium	ug/L	<20.0	1000	1000	991	980	99	98	75-125	1	20	
Magnesium	ug/L	14700	10000	10000	25000	24300	103	96	75-125	3	20	
Manganese	ug/L	75.0	1000	1000	1000	985	93	91	75-125	2	20	
Molybdenum	ug/L	<10.0	1000	1000	989	973	99	97	75-125	2	20	
Potassium	ug/L	1070	10000	10000	10700	10500	96	94	75-125	2	20	
Silica	ug/L	9780	10700	10700	20700	20200	102	97	75-125	2	20	N2
Sodium	ug/L	19400	10000	10000	29600	28700	103	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 762441
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005

METHOD BLANK: 3495053 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/15/23 11:25	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/15/23 11:25	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/15/23 11:25	

LABORATORY CONTROL SAMPLE: 3495054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9980	100	80-120	
Manganese, Dissolved	ug/L	1000	955	95	80-120	
Molybdenum, Dissolved	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495055 3495056

Parameter	Units	50358888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	6900	10000	10000	16500	16700	96	98	75-125	1	20	
Manganese, Dissolved	ug/L	4870	1000	1000	5650	5710	78	84	75-125	1	20	
Molybdenum, Dissolved	ug/L	396	1000	1000	1430	1430	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 761398
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3489636 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/08/23 23:51	
Arsenic	ug/L	ND	1.0	0.075	11/08/23 23:51	
Beryllium	ug/L	ND	0.20	0.035	11/10/23 03:18	
Cobalt	ug/L	ND	1.0	0.046	11/08/23 23:51	
Selenium	ug/L	ND	1.0	0.20	11/08/23 23:51	

LABORATORY CONTROL SAMPLE: 3489637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	39.4	99	80-120	
Beryllium	ug/L	40	38.2	95	80-120	
Cobalt	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	40.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3489638 3489639

Parameter	Units	50358745002 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	40.2	40.2	100	100	75-125	0	20	
Arsenic	ug/L	ND	40	40	37.8	38.0	93	94	75-125	1	20	
Beryllium	ug/L	ND	40	40	38.8	38.7	97	97	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.8	38.7	96	96	75-125	0	20	
Selenium	ug/L	ND	40	40	37.4	37.1	93	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 761694 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3491265 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/08/23 23:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/08/23 23:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/08/23 23:09	

LABORATORY CONTROL SAMPLE: 3491266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	90-110	

SAMPLE DUPLICATE: 3491267

Parameter	Units	50358769011 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	280	287	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	280	287	3	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3491268

Parameter	Units	50358774001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	179	184	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	179	184	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 762131 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3493507 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/10/23 16:40	

LABORATORY CONTROL SAMPLE: 3493508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	80-120	

SAMPLE DUPLICATE: 3493509

Parameter	Units	50358771001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	574	581	1	10	

SAMPLE DUPLICATE: 3493510

Parameter	Units	50358775002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	220	229	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 762945
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: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

SAMPLE DUPLICATE: 3496910

Parameter	Units	50358484008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.5	1	2	H3

SAMPLE DUPLICATE: 3496911

Parameter	Units	50358877003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 761826 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3491779 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/09/23 11:58	

LABORATORY CONTROL SAMPLE: 3491780

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491781 3491782

Parameter	Units	50358888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.29	0.29	54	55	90-110	1	20	M3

MATRIX SPIKE SAMPLE: 3491783

Parameter	Units	50358828001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.42	79	90-110	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 762073 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3493243 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 12:17	H3,N2

LABORATORY CONTROL SAMPLE: 3493244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	104	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493245 3493246

Parameter	Units	50358888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.0	1.0	101	101	90-110	0	20	H3,N2

MATRIX SPIKE SAMPLE: 3493247

Parameter	Units	50358714003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.0	102	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 761177 | 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: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3488955 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/06/23 23:24	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/06/23 23:24	

LABORATORY CONTROL SAMPLE: 3488956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3488957 3488958

Parameter	Units	50358714003 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	2.5	1	1	3.4	3.4	94	93	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.0	1.0	104	104	90-110	0	20	

MATRIX SPIKE SAMPLE: 3488959

Parameter	Units	50358774005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	98	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 763328
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3498734 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/17/23 13:20	

LABORATORY CONTROL SAMPLE: 3498735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498736 3498737

Parameter	Units	50358778008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	<0.15			1.6	1.5				4		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498738 3498739

Parameter	Units	50358778011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	<0.15			1.6	1.6				1		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 763086 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3497484 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/16/23 15:08	

LABORATORY CONTROL SAMPLE: 3497485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497486 3497487

Parameter	Units	50359167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.6	10	10	12.4	12.4	98	98	80-120	0	20	

MATRIX SPIKE SAMPLE: 3497488

Parameter	Units	50359167002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	10	9.8	96	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 763360 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005

METHOD BLANK: 3498890 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/16/23 14:43	

LABORATORY CONTROL SAMPLE: 3498891

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: 3498892 3498893

Parameter	Units	50358742002 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	11.5	11.4	91	90	80-120	1	20	

MATRIX SPIKE SAMPLE: 3498894

Parameter	Units	50358742003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.0	10	11.6	95	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14D **Lab ID: 50358774001** Collected: 11/06/23 16:50 Received: 11/06/23 18:00 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	**0.138 ± 0.716 (1.34) C:NA T:87%**	pCi/L	11/29/23 14:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.85 ± 0.679 (1.06) C:74% T:79%**	pCi/L	11/27/23 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.99 ± 1.40 (2.40)**	pCi/L	11/30/23 10:12	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14D1 **Lab ID: 50358774002** Collected: 11/06/23 12:15 Received: 11/06/23 18:00 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	**0.821 ± 0.616 (0.880) C:NA T:84%**	pCi/L	11/29/23 14:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.607 ± 0.452 (0.899) C:78% T:86%**	pCi/L	11/27/23 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.43 ± 1.07 (1.78)**	pCi/L	11/30/23 10:12	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14I **Lab ID: 50358774003** Collected: 11/06/23 15:30 Received: 11/06/23 18:00 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	**4.12 ± 1.25 (1.15) C:NA T:90%**	pCi/L	11/29/23 14:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.37 ± 0.533 (0.844) C:79% T:83%**	pCi/L	11/27/23 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**5.49 ± 1.78 (1.99)**	pCi/L	11/30/23 10:12	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: MW-14IL **Lab ID: 50358774004** Collected: 11/06/23 13:45 Received: 11/06/23 18:00 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	**1.23 ± 0.898 (1.35) C:NA T:86%**	pCi/L	11/29/23 14:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.61 ± 0.574 (0.852) C:77% T:84%**	pCi/L	11/27/23 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.84 ± 1.47 (2.20)**	pCi/L	11/30/23 10:12	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: DUP-4 **Lab ID: 50358774005** Collected: 11/06/23 08:00 Received: 11/06/23 18:00 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	**0.491 ± 0.616 (1.02) C:NA T:86%**	pCi/L	11/29/23 14:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**2.15 ± 0.820 (1.27) C:56% T:82%**	pCi/L	11/27/23 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.64 ± 1.44 (2.29)**	pCi/L	11/30/23 10:12	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Sample: Field Blank **Lab ID: 50358774006** Collected: 11/06/23 10:30 Received: 11/06/23 18:00 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	**0.224 ± 0.348 (0.603) C:NA T:88%**	pCi/L	11/29/23 14:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.246 ± 0.439 (0.961) C:73% T:83%**	pCi/L	11/27/23 16:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.470 ± 0.787 (1.56)**	pCi/L	11/30/23 10:12	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 629208
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: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3067590 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.683 ± 0.413 (0.769) C:82% T:79%	pCi/L	11/27/23 12:44	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

QC Batch: 629207
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: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

METHOD BLANK: 3067589 Matrix: Water
Associated Lab Samples: 50358774001, 50358774002, 50358774003, 50358774004, 50358774005, 50358774006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.267 ± 0.303 (0.479) C:NA T:92%	pCi/L	11/29/23 14:04	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358774001	**MW-14D**	EPA 9056	762095		
50358774002	**MW-14D1**	EPA 9056	762095		
50358774003	**MW-14I**	EPA 9056	762095		
50358774004	**MW-14IL**	EPA 9056	762095		
50358774005	**DUP-4**	EPA 9056	762095		
50358774006	**Field Blank**	EPA 9056	762095		
50358774001	**MW-14D**	EPA 3010	761792	EPA 6010	762365
50358774002	**MW-14D1**	EPA 3010	761792	EPA 6010	762365
50358774003	**MW-14I**	EPA 3010	761792	EPA 6010	762365
50358774004	**MW-14IL**	EPA 3010	761792	EPA 6010	762365
50358774005	**DUP-4**	EPA 3010	761792	EPA 6010	762365
50358774006	**Field Blank**	EPA 3010	761792	EPA 6010	762365
50358774001	**MW-14D**	EPA 3010	762441	EPA 6010	763062
50358774002	**MW-14D1**	EPA 3010	762441	EPA 6010	763062
50358774003	**MW-14I**	EPA 3010	762441	EPA 6010	763062
50358774004	**MW-14IL**	EPA 3010	762441	EPA 6010	763062
50358774005	**DUP-4**	EPA 3010	762441	EPA 6010	763062
50358774001	**MW-14D**	EPA 200.2	761398	EPA 6020	761599
50358774002	**MW-14D1**	EPA 200.2	761398	EPA 6020	761599
50358774003	**MW-14I**	EPA 200.2	761398	EPA 6020	761599
50358774004	**MW-14IL**	EPA 200.2	761398	EPA 6020	761599
50358774005	**DUP-4**	EPA 200.2	761398	EPA 6020	761599
50358774006	**Field Blank**	EPA 200.2	761398	EPA 6020	761599
50358774001	**MW-14D**	EPA 903.1	629207		
50358774002	**MW-14D1**	EPA 903.1	629207		
50358774003	**MW-14I**	EPA 903.1	629207		
50358774004	**MW-14IL**	EPA 903.1	629207		
50358774005	**DUP-4**	EPA 903.1	629207		
50358774006	**Field Blank**	EPA 903.1	629207		
50358774001	**MW-14D**	EPA 904.0	629208		
50358774002	**MW-14D1**	EPA 904.0	629208		
50358774003	**MW-14I**	EPA 904.0	629208		
50358774004	**MW-14IL**	EPA 904.0	629208		
50358774005	**DUP-4**	EPA 904.0	629208		
50358774006	**Field Blank**	EPA 904.0	629208		
50358774001	**MW-14D**	Total Radium Calculation	632917		
50358774002	**MW-14D1**	Total Radium Calculation	632917		
50358774003	**MW-14I**	Total Radium Calculation	632917		
50358774004	**MW-14IL**	Total Radium Calculation	632917		
50358774005	**DUP-4**	Total Radium Calculation	632917		
50358774006	**Field Blank**	Total Radium Calculation	632917		
50358774001	**MW-14D**	SM 2320B	761694		
50358774002	**MW-14D1**	SM 2320B	761694		
50358774003	**MW-14I**	SM 2320B	761694		
50358774004	**MW-14IL**	SM 2320B	761694		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358774005	**DUP-4**	SM 2320B	761694		
50358774006	**Field Blank**	SM 2320B	761694		
50358774001	**MW-14D**	SM 2540C	762131		
50358774002	**MW-14D1**	SM 2540C	762131		
50358774003	**MW-14I**	SM 2540C	762131		
50358774004	**MW-14IL**	SM 2540C	762131		
50358774005	**DUP-4**	SM 2540C	762131		
50358774006	**Field Blank**	SM 2540C	762131		
50358774001	**MW-14D**	SM 4500-H+B	762945		
50358774002	**MW-14D1**	SM 4500-H+B	762945		
50358774003	**MW-14I**	SM 4500-H+B	762945		
50358774004	**MW-14IL**	SM 4500-H+B	762945		
50358774005	**DUP-4**	SM 4500-H+B	762945		
50358774006	**Field Blank**	SM 4500-H+B	762945		
50358774001	**MW-14D**	SM 4500-S2-D	761826		
50358774002	**MW-14D1**	SM 4500-S2-D	761826		
50358774003	**MW-14I**	SM 4500-S2-D	761826		
50358774004	**MW-14IL**	SM 4500-S2-D	761826		
50358774005	**DUP-4**	SM 4500-S2-D	761826		
50358774006	**Field Blank**	SM 4500-S2-D	761826		
50358774001	**MW-14D**	HACH 8146	762073		
50358774002	**MW-14D1**	HACH 8146	762073		
50358774003	**MW-14I**	HACH 8146	762073		
50358774004	**MW-14IL**	HACH 8146	762073		
50358774005	**DUP-4**	HACH 8146	762073		
50358774006	**Field Blank**	HACH 8146	762073		
50358774001	**MW-14D**	EPA 353.2	761177		
50358774002	**MW-14D1**	EPA 353.2	761177		
50358774003	**MW-14I**	EPA 353.2	761177		
50358774004	**MW-14IL**	EPA 353.2	761177		
50358774005	**DUP-4**	EPA 353.2	761177		
50358774006	**Field Blank**	EPA 353.2	761177		
50358774001	**MW-14D**	EPA 365.1	763328	EPA 365.1	763686
50358774002	**MW-14D1**	EPA 365.1	763328	EPA 365.1	763686
50358774003	**MW-14I**	EPA 365.1	763328	EPA 365.1	763686
50358774004	**MW-14IL**	EPA 365.1	763328	EPA 365.1	763686
50358774005	**DUP-4**	EPA 365.1	763328	EPA 365.1	763686
50358774006	**Field Blank**	EPA 365.1	763328	EPA 365.1	763686
50358774001	**MW-14D**	SM 5310C	763086		
50358774002	**MW-14D1**	SM 5310C	763086		
50358774003	**MW-14I**	SM 5310C	763086		
50358774004	**MW-14IL**	SM 5310C	763086		
50358774005	**DUP-4**	SM 5310C	763086		
50358774006	**Field Blank**	SM 5310C	763086		
50358774001	**MW-14D**	SM 5310C	763360		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358774002	**MW-14D1**	SM 5310C	763360		
50358774003	**MW-14I**	SM 5310C	763360		
50358774004	**MW-14IL**	SM 5310C	763360		
50358774005	**DUP-4**	SM 5310C	763360		

WO# : 50358774

50358774

CHAIN-OF-CUSTODY / Analytical Request Document

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

nent and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A — Required Client Information:

Company:	AES/IPL Petersburg
Address:	7988 Centerpoint Drive
	Suite 100, Indianapolis, IN 46256
Email:	mark.breting@atcgs.com
Phone:	317-313-8306 Fax:
Requested Due Date:	5DAY

Required Project Information:

Report To:	Mark Breting
Copy To:	
Purchase Order #:	
Project Name:	Harding Street Nov 2023
Project #:	PIR1

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	will.statz@pacelabs.com,
Pace Profile #:	**10498-48**

Regulatory Agency:

State / Location: IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-14 D	WT		11.4	1150				11	4	3	4		1					x	x	x	x	x	x	x	x	x	x		001
2	MW-14 D1	WT			1215														x	x	x	x	x	x	x	x	x	x		002
3	MW-14 I	WT			1530														x	x	x	x	x	x	x	x	x	x		003
4	MW-14 IL	WT			1345														x	x	x	x	x	x	x	x	x	x		004
5	DUP-4	WT			—														x	x	x	x	x	x	x	x	x	x		005
6	Field Blank	WT			1030				9	4	2	3		1					x	x	x	x	x	x	x	x	x	x		006
7		WT																	x	x	x	x	x	x	x	x	x	x		
8		WT																	x	x	x	x	x	x	x	x	x	x		
9		WT																	x	x	x	x	x	x	x	x	x	x		
10		WT																	x	x	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x	x	x		
12																			x	x	x	x	x	x	x	x	x	x		

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	/Atlas	11/4/23	1800	Laurence	11/6/23	1800
6020 - Be,Co, As, Se, Sb (5)						
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)						
6010 diss - Fe, Mn, Mo (3)						

SAMPLE CONDITIONS	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	5.1	Y	N	Y
	1.3	Y	N	Y
	5.6	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Erika Valerio

SIGNATURE of SAMPLER:

DATE Signed: 11.4.2023

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/6/23 1850 IL

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C (D) E F G H

4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5.1/5.1	1.3/1.3	5.6/5.6	

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

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: 1915 via walk-in	
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)			✓
Headspace Wisconsin Sulfide?			✓
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED 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	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1												1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
2																																
3																																
4																																
5													↓							↓												
6												↓				↓	↓	↓	↓		↓		↓					↓	↓	↓		↓
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 07, 2023. 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,

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: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50358828001	**MW-6I**	Water	11/07/23 12:30	11/07/23 14:40
50358828002	**MW-12D**	Water	11/07/23 13:15	11/07/23 14:40
50358828003	**MW-12D1**	Water	11/07/23 10:22	11/07/23 14:40

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50358828001	**MW-6I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	AEL	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358828002	**MW-12D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	AEL	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50358828003	**MW-12D1**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	AEL	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358828001	**MW-6I**					
EPA 9056	Chloride	326	mg/L	25.0	11/19/23 05:14	
EPA 9056	Fluoride	0.42	mg/L	0.10	11/16/23 03:14	
EPA 9056	Sulfate	495	mg/L	25.0	11/19/23 05:14	
EPA 6010	Aluminum	384	ug/L	200	11/16/23 11:13	
EPA 6010	Barium	32.0	ug/L	10.0	11/16/23 11:13	
EPA 6010	Boron	2250	ug/L	100	11/16/23 11:13	
EPA 6010	Calcium	206000	ug/L	2000	11/16/23 12:36	
EPA 6010	Iron	4640	ug/L	100	11/16/23 11:13	
EPA 6010	Lithium	66.7	ug/L	20.0	11/16/23 11:13	
EPA 6010	Magnesium	80500	ug/L	1000	11/16/23 11:13	
EPA 6010	Manganese	473	ug/L	10.0	11/16/23 11:13	
EPA 6010	Molybdenum	152	ug/L	10.0	11/16/23 11:13	
EPA 6010	Potassium	13100	ug/L	1000	11/16/23 11:13	
EPA 6010	Silica	15100	ug/L	450	11/16/23 11:13	N2
EPA 6010	Sodium	231000	ug/L	2000	11/16/23 12:36	
EPA 6010	Iron, Dissolved	3840	ug/L	100	11/15/23 21:59	
EPA 6010	Manganese, Dissolved	451	ug/L	10.0	11/15/23 21:59	
EPA 6010	Molybdenum, Dissolved	149	ug/L	10.0	11/15/23 21:59	
EPA 6020	Arsenic	8.8	ug/L	1.0	11/10/23 14:23	
EPA 903.1	Radium-226	0.262 ± 0.420 (0.727) C:NA T:88%	pCi/L		12/04/23 11:49	
EPA 904.0	Radium-228	0.578 ± 0.342 (0.623) C:82% T:88%	pCi/L		11/22/23 12:56	
Total Radium Calculation	Total Radium	0.840 ± 0.762 (1.35)	pCi/L		12/04/23 16:26	
SM 2320B	Alkalinity, Total as CaCO3	294	mg/L	10.0	11/08/23 22:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	294	mg/L	10.0	11/08/23 22:51	
SM 2540C	Total Dissolved Solids	1610	mg/L	20.0	11/11/23 15:21	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	11/18/23 14:54	H3
HACH 8146	Iron, Ferrous	0.89	mg/L	0.20	11/10/23 14:48	H3,N2
SM 5310C	Dissolved Organic Carbon	4.5	mg/L	4.0	11/18/23 04:50	
50358828002	**MW-12D**					
EPA 9056	Chloride	234	mg/L	25.0	11/16/23 04:28	
EPA 9056	Fluoride	1.5	mg/L	0.10	11/16/23 03:51	
EPA 9056	Sulfate	416	mg/L	2.5	11/16/23 04:09	
EPA 6010	Barium	35.5	ug/L	10.0	11/16/23 11:15	
EPA 6010	Boron	2690	ug/L	100	11/16/23 11:15	
EPA 6010	Calcium	203000	ug/L	2000	11/16/23 12:37	
EPA 6010	Iron	3240	ug/L	100	11/16/23 11:15	
EPA 6010	Lithium	50.0	ug/L	20.0	11/16/23 11:15	
EPA 6010	Magnesium	52200	ug/L	1000	11/16/23 11:15	
EPA 6010	Manganese	334	ug/L	10.0	11/16/23 11:15	
EPA 6010	Molybdenum	113	ug/L	10.0	11/16/23 11:15	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358828002	**MW-12D**					
EPA 6010	Potassium	9610	ug/L	1000	11/16/23 11:15	
EPA 6010	Silica	16200	ug/L	450	11/16/23 11:15	N2
EPA 6010	Sodium	189000	ug/L	1000	11/16/23 11:15	
EPA 6010	Iron, Dissolved	3010	ug/L	100	11/15/23 22:01	
EPA 6010	Manganese, Dissolved	317	ug/L	10.0	11/15/23 22:01	
EPA 6010	Molybdenum, Dissolved	109	ug/L	10.0	11/15/23 22:01	
EPA 6020	Arsenic	288	ug/L	2.0	11/10/23 14:57	
EPA 903.1	Radium-226	0.469 ± 0.425 (0.626) C:NA T:83%	pCi/L		12/04/23 12:01	
EPA 904.0	Radium-228	0.399 ± 0.368 (0.746) C:81% T:83%	pCi/L		11/22/23 12:56	
Total Radium Calculation	Total Radium	0.868 ± 0.793 (1.37)	pCi/L		12/04/23 16:26	
SM 2320B	Alkalinity, Total as CaCO3	360	mg/L	10.0	11/08/23 22:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	360	mg/L	10.0	11/08/23 22:51	
SM 2540C	Total Dissolved Solids	1310	mg/L	20.0	11/11/23 15:22	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	11/18/23 15:04	H3
EPA 365.1	Phosphate as P04	0.34	mg/L	0.15	11/19/23 18:47	
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	2.0	11/18/23 05:01	
50358828003	**MW-12D1**					
EPA 9056	Chloride	240	mg/L	2.5	11/16/23 05:04	
EPA 9056	Fluoride	1.2	mg/L	0.10	11/16/23 04:46	
EPA 9056	Sulfate	476	mg/L	2.5	11/16/23 05:04	
EPA 6010	Barium	64.9	ug/L	10.0	11/16/23 11:16	
EPA 6010	Boron	5020	ug/L	100	11/16/23 11:16	
EPA 6010	Calcium	207000	ug/L	2000	11/16/23 12:39	
EPA 6010	Iron	3170	ug/L	100	11/16/23 11:16	
EPA 6010	Lithium	81.8	ug/L	20.0	11/16/23 11:16	
EPA 6010	Magnesium	56700	ug/L	1000	11/16/23 11:16	
EPA 6010	Manganese	427	ug/L	10.0	11/16/23 11:16	
EPA 6010	Molybdenum	133	ug/L	10.0	11/16/23 11:16	
EPA 6010	Potassium	11300	ug/L	1000	11/16/23 11:16	
EPA 6010	Silica	13300	ug/L	450	11/16/23 11:16	N2
EPA 6010	Sodium	136000	ug/L	1000	11/16/23 11:16	
EPA 6010	Iron, Dissolved	3010	ug/L	100	11/15/23 22:02	
EPA 6010	Manganese, Dissolved	422	ug/L	10.0	11/15/23 22:02	
EPA 6010	Molybdenum, Dissolved	132	ug/L	10.0	11/15/23 22:02	
EPA 6020	Arsenic	277	ug/L	2.0	11/10/23 15:01	
EPA 903.1	Radium-226	0.595 ± 0.395 (0.460) C:NA T:79%	pCi/L		12/04/23 12:01	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50358828003	**MW-12D1**					
EPA 904.0	Radium-228	0.798 ± 0.482 (0.916) C:85% T:79%	pCi/L		11/22/23 12:56	
Total Radium Calculation	Total Radium	1.39 ± 0.877 (1.38)	pCi/L		12/04/23 16:26	
SM 2320B	Alkalinity, Total as CaCO3	302	mg/L	10.0	11/08/23 22:51	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	302	mg/L	10.0	11/08/23 22:51	
SM 2540C	Total Dissolved Solids	1270	mg/L	20.0	11/11/23 15:22	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/18/23 14:53	H3
SM 4500-S2-D	Sulfide	0.38	mg/L	0.10	11/09/23 11:58	
HACH 8146	Iron, Ferrous	1.3	mg/L	0.20	11/10/23 14:31	H3,N2
EPA 365.1	Phosphate as P04	0.41	mg/L	0.15	11/19/23 18:48	
SM 5310C	Total Organic Carbon	8.8	mg/L	1.0	11/15/23 18:19	
SM 5310C	Dissolved Organic Carbon	11.8	mg/L	1.0	11/17/23 20:48	

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-6I **Lab ID: 50358828001** Collected: 11/07/23 12:30 Received: 11/07/23 14:40 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	**326**	mg/L	25.0	6.7	100		11/19/23 05:14	16887-00-6	
Fluoride	**0.42**	mg/L	0.10	0.017	1		11/16/23 03:14	16984-48-8	
Sulfate	**495**	mg/L	25.0	19.0	100		11/19/23 05:14	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	**384**	ug/L	200	79.3	1	11/09/23 21:16	11/16/23 11:13	7429-90-5	
Barium	**32.0**	ug/L	10.0	1.6	1	11/09/23 21:16	11/16/23 11:13	7440-39-3	
Boron	**2250**	ug/L	100	11.4	1	11/09/23 21:16	11/16/23 11:13	7440-42-8	
Calcium	**206000**	ug/L	2000	113	2	11/09/23 21:16	11/16/23 12:36	7440-70-2	
Iron	**4640**	ug/L	100	18.1	1	11/09/23 21:16	11/16/23 11:13	7439-89-6	
Lithium	**66.7**	ug/L	20.0	5.1	1	11/09/23 21:16	11/16/23 11:13	7439-93-2	
Magnesium	**80500**	ug/L	1000	32.8	1	11/09/23 21:16	11/16/23 11:13	7439-95-4	
Manganese	**473**	ug/L	10.0	1.1	1	11/09/23 21:16	11/16/23 11:13	7439-96-5	
Molybdenum	**152**	ug/L	10.0	1.1	1	11/09/23 21:16	11/16/23 11:13	7439-98-7	
Potassium	**13100**	ug/L	1000	120	1	11/09/23 21:16	11/16/23 11:13	7440-09-7	
Silica	**15100**	ug/L	450		1	11/09/23 21:16	11/16/23 11:13	7631-86-9	N2
Sodium	**231000**	ug/L	2000	96.4	2	11/09/23 21:16	11/16/23 12:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3840**	ug/L	100	18.1	1	11/14/23 08:09	11/15/23 21:59	7439-89-6	
Manganese, Dissolved	**451**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 21:59	7439-96-5	
Molybdenum, Dissolved	**149**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 21:59	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	0.49	1	11/08/23 15:12	11/09/23 23:18	7440-36-0	
Arsenic	**8.8**	ug/L	1.0	0.075	1	11/08/23 15:12	11/10/23 14:23	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 15:12	11/10/23 14:23	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 15:12	11/09/23 23:18	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 15:12	11/09/23 23:18	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**294**	mg/L	10.0	10.0	1		11/08/23 22:51		
Alkalinity,Bicarbonate (CaCO3)	**294**	mg/L	10.0	10.0	1		11/08/23 22:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 22:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1610**	mg/L	20.0	20.0	1		11/11/23 15:21		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-6I **Lab ID: 50358828001** Collected: 11/07/23 12:30 Received: 11/07/23 14:40 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	**7.1**	Std. Units	0.10	0.10	1		11/18/23 14:54		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.89**	mg/L	0.20	0.035	1		11/10/23 14:48	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/07/23 23:49	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/07/23 23:49	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/17/23 11:30	11/19/23 18:46		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/16/23 11:21	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.5**	mg/L	4.0	0.94	4		11/18/23 04:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-12D **Lab ID: 50358828002** Collected: 11/07/23 13:15 Received: 11/07/23 14:40 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	**234**	mg/L	25.0	6.7	100		11/16/23 04:28	16887-00-6	
Fluoride	**1.5**	mg/L	0.10	0.017	1		11/16/23 03:51	16984-48-8	
Sulfate	**416**	mg/L	2.5	1.9	10		11/16/23 04:09	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/09/23 21:16	11/16/23 11:15	7429-90-5	
Barium	**35.5**	ug/L	10.0	1.6	1	11/09/23 21:16	11/16/23 11:15	7440-39-3	
Boron	**2690**	ug/L	100	11.4	1	11/09/23 21:16	11/16/23 11:15	7440-42-8	
Calcium	**203000**	ug/L	2000	113	2	11/09/23 21:16	11/16/23 12:37	7440-70-2	
Iron	**3240**	ug/L	100	18.1	1	11/09/23 21:16	11/16/23 11:15	7439-89-6	
Lithium	**50.0**	ug/L	20.0	5.1	1	11/09/23 21:16	11/16/23 11:15	7439-93-2	
Magnesium	**52200**	ug/L	1000	32.8	1	11/09/23 21:16	11/16/23 11:15	7439-95-4	
Manganese	**334**	ug/L	10.0	1.1	1	11/09/23 21:16	11/16/23 11:15	7439-96-5	
Molybdenum	**113**	ug/L	10.0	1.1	1	11/09/23 21:16	11/16/23 11:15	7439-98-7	
Potassium	**9610**	ug/L	1000	120	1	11/09/23 21:16	11/16/23 11:15	7440-09-7	
Silica	**16200**	ug/L	450		1	11/09/23 21:16	11/16/23 11:15	7631-86-9	N2
Sodium	**189000**	ug/L	1000	48.2	1	11/09/23 21:16	11/16/23 11:15	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3010**	ug/L	100	18.1	1	11/14/23 08:09	11/15/23 22:01	7439-89-6	
Manganese, Dissolved	**317**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:01	7439-96-5	
Molybdenum, Dissolved	**109**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:01	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	0.49	1	11/08/23 15:12	11/09/23 23:41	7440-36-0	
Arsenic	**288**	ug/L	2.0	0.15	2	11/08/23 15:12	11/10/23 14:57	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 15:12	11/10/23 14:47	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 15:12	11/09/23 23:41	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 15:12	11/09/23 23:41	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**360**	mg/L	10.0	10.0	1		11/08/23 22:51		
Alkalinity,Bicarbonate (CaCO3)	**360**	mg/L	10.0	10.0	1		11/08/23 22:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 22:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1310**	mg/L	20.0	20.0	1		11/11/23 15:22		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-12D **Lab ID: 50358828002** Collected: 11/07/23 13:15 Received: 11/07/23 14:40 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	**7.5**	Std. Units	0.10	0.10	1		11/18/23 15:04		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 14:50	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/07/23 23:53	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/07/23 23:53	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.34**	mg/L	0.15	0.15	1	11/17/23 11:30	11/19/23 18:47		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/16/23 10:16	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	2.0	0.47	2		11/18/23 05:01		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-12D1 **Lab ID: 50358828003** Collected: 11/07/23 10:22 Received: 11/07/23 14:40 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	**240**	mg/L	2.5	0.67	10		11/16/23 05:04	16887-00-6	
Fluoride	**1.2**	mg/L	0.10	0.017	1		11/16/23 04:46	16984-48-8	
Sulfate	**476**	mg/L	2.5	1.9	10		11/16/23 05:04	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/09/23 21:16	11/16/23 11:16	7429-90-5	
Barium	**64.9**	ug/L	10.0	1.6	1	11/09/23 21:16	11/16/23 11:16	7440-39-3	
Boron	**5020**	ug/L	100	11.4	1	11/09/23 21:16	11/16/23 11:16	7440-42-8	
Calcium	**207000**	ug/L	2000	113	2	11/09/23 21:16	11/16/23 12:39	7440-70-2	
Iron	**3170**	ug/L	100	18.1	1	11/09/23 21:16	11/16/23 11:16	7439-89-6	
Lithium	**81.8**	ug/L	20.0	5.1	1	11/09/23 21:16	11/16/23 11:16	7439-93-2	
Magnesium	**56700**	ug/L	1000	32.8	1	11/09/23 21:16	11/16/23 11:16	7439-95-4	
Manganese	**427**	ug/L	10.0	1.1	1	11/09/23 21:16	11/16/23 11:16	7439-96-5	
Molybdenum	**133**	ug/L	10.0	1.1	1	11/09/23 21:16	11/16/23 11:16	7439-98-7	
Potassium	**11300**	ug/L	1000	120	1	11/09/23 21:16	11/16/23 11:16	7440-09-7	
Silica	**13300**	ug/L	450		1	11/09/23 21:16	11/16/23 11:16	7631-86-9	N2
Sodium	**136000**	ug/L	1000	48.2	1	11/09/23 21:16	11/16/23 11:16	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3010**	ug/L	100	18.1	1	11/14/23 08:09	11/15/23 22:02	7439-89-6	
Manganese, Dissolved	**422**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:02	7439-96-5	
Molybdenum, Dissolved	**132**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:02	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	0.49	1	11/08/23 15:12	11/09/23 23:44	7440-36-0	
Arsenic	**277**	ug/L	2.0	0.15	2	11/08/23 15:12	11/10/23 15:01	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/08/23 15:12	11/10/23 14:50	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/08/23 15:12	11/09/23 23:44	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/08/23 15:12	11/09/23 23:44	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		11/08/23 22:51		
Alkalinity,Bicarbonate (CaCO3)	**302**	mg/L	10.0	10.0	1		11/08/23 22:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/08/23 22:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1270**	mg/L	20.0	20.0	1		11/11/23 15:22		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-12D1 **Lab ID: 50358828003** Collected: 11/07/23 10:22 Received: 11/07/23 14:40 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	**7.0**	Std. Units	0.10	0.10	1		11/18/23 14:53		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	**0.38**	mg/L	0.10	0.025	1		11/09/23 11:58	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.3**	mg/L	0.20	0.035	1		11/10/23 14:31	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/07/23 23:44	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/07/23 23:44	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.41**	mg/L	0.15	0.15	1	11/17/23 11:30	11/19/23 18:48		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**8.8**	mg/L	1.0	0.24	1		11/15/23 18:19	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**11.8**	mg/L	1.0	0.24	1		11/17/23 20:48		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 762554
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3495360 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/16/23 02:38	
Fluoride	mg/L	ND	0.10	0.017	11/16/23 02:38	
Sulfate	mg/L	ND	0.25	0.19	11/16/23 02:38	

LABORATORY CONTROL SAMPLE: 3495361

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	0.96	96	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495362 3495363

Parameter	Units	50358931002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	479	250	250	727	729	99	100	80-120	0	15	
Fluoride	mg/L	0.17	1	1	1.1	1.1	97	97	80-120	0	15	
Sulfate	mg/L	48.1	50	50	94.4	94.6	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 761798
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3491686 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	79.3	11/16/23 10:53	
Barium	ug/L	ND	10.0	1.6	11/16/23 10:53	
Boron	ug/L	ND	100	11.4	11/16/23 10:53	
Calcium	ug/L	ND	1000	56.7	11/16/23 10:53	
Iron	ug/L	ND	100	18.1	11/16/23 10:53	
Lithium	ug/L	ND	20.0	5.1	11/16/23 10:53	
Magnesium	ug/L	ND	1000	32.8	11/16/23 10:53	
Manganese	ug/L	ND	10.0	1.1	11/16/23 10:53	
Molybdenum	ug/L	ND	10.0	1.1	11/16/23 10:53	
Potassium	ug/L	ND	1000	120	11/16/23 10:53	
Silica	ug/L	ND	450		11/16/23 10:53	N2
Sodium	ug/L	ND	1000	48.2	11/16/23 10:53	

LABORATORY CONTROL SAMPLE: 3491687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9800	98	80-120	
Barium	ug/L	1000	961	96	80-120	
Boron	ug/L	1000	955	95	80-120	
Calcium	ug/L	10000	9880	99	80-120	
Iron	ug/L	10000	9890	99	80-120	
Lithium	ug/L	1000	982	98	80-120	
Magnesium	ug/L	10000	9570	96	80-120	
Manganese	ug/L	1000	955	96	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9670	97	80-120	
Silica	ug/L	10700	10400	97	80-120	N2
Sodium	ug/L	10000	9590	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491688 3491689

Parameter	Units	50358888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9240	9240	92	92	75-125	0	20	
Barium	ug/L	63.1	1000	1000	988	1000	93	94	75-125	1	20	
Boron	ug/L	4110	1000	1000	5090	5130	97	102	75-125	1	20	
Calcium	ug/L	455000	10000	10000	460000	464000	51	89	75-125	1	20	E,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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491688 3491689

Parameter	Units	50358888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	7130	10000	10000	16600	16700	95	96	75-125	1	20	
Lithium	ug/L	1000	1000	1000	1930	1960	93	96	75-125	2	20	
Magnesium	ug/L	35400	10000	10000	44000	44200	86	89	75-125	1	20	
Manganese	ug/L	4890	1000	1000	5740	5800	86	91	75-125	1	20	
Molybdenum	ug/L	387	1000	1000	1370	1390	98	100	75-125	1	20	
Potassium	ug/L	180000	10000	10000	192000	191000	126	115	75-125	1	20	P6
Silica	ug/L	12300	10700	10700	22700	22800	97	98	75-125	1	20	N2
Sodium	ug/L	66600	10000	10000	75800	77100	92	104	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491690 3491691

Parameter	Units	50358895001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9980	9330	100	93	75-125	7	20	
Barium	ug/L	64.5	1000	1000	1050	994	99	93	75-125	6	20	
Boron	ug/L	4240	1000	1000	5530	5120	129	88	75-125	8	20	P6
Calcium	ug/L	500000	10000	10000	547000	498000	467	-16	75-125	9	20	P6
Iron	ug/L	7390	10000	10000	17800	16700	104	94	75-125	6	20	
Lithium	ug/L	1040	1000	1000	2080	1950	104	91	75-125	7	20	
Magnesium	ug/L	36100	10000	10000	48300	45100	122	90	75-125	7	20	
Manganese	ug/L	5000	1000	1000	6240	5850	124	85	75-125	6	20	
Molybdenum	ug/L	394	1000	1000	1450	1360	106	97	75-125	6	20	
Potassium	ug/L	180000	10000	10000	200000	188000	200	75	75-125	6	20	E,P6
Silica	ug/L	12600	10700	10700	24400	22700	110	94	75-125	7	20	N2
Sodium	ug/L	68700	10000	10000	82500	77200	138	85	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 762443
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3495065 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	18.1	11/15/23 21:56	
Manganese, Dissolved	ug/L	ND	10.0	1.1	11/15/23 21:56	
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	11/15/23 21:56	

LABORATORY CONTROL SAMPLE: 3495066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9840	98	80-120	
Manganese, Dissolved	ug/L	1000	968	97	80-120	
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495067 3495068

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	9900	10000	10000	19500	19800	96	99	75-125	2	20	
Manganese, Dissolved	ug/L	1440	1000	1000	2350	2390	91	95	75-125	2	20	
Molybdenum, Dissolved	ug/L	33.0	1000	1000	1040	1080	101	105	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 761514
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3490309 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/09/23 23:11	
Arsenic	ug/L	ND	1.0	0.075	11/10/23 14:17	
Beryllium	ug/L	ND	0.20	0.035	11/10/23 14:17	
Cobalt	ug/L	ND	1.0	0.046	11/09/23 23:11	
Selenium	ug/L	ND	1.0	0.20	11/09/23 23:11	

LABORATORY CONTROL SAMPLE: 3490310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.5	104	80-120	
Arsenic	ug/L	40	39.3	98	80-120	
Beryllium	ug/L	40	39.3	98	80-120	
Cobalt	ug/L	40	41.2	103	80-120	
Selenium	ug/L	40	38.7	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3490311 3490312

Parameter	Units	50358828001 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	41.5	41.6	104	104	75-125	0	20	
Arsenic	ug/L	8.8	40	40	47.6	46.9	97	95	75-125	2	20	
Beryllium	ug/L	ND	40	40	41.1	41.5	103	104	75-125	1	20	
Cobalt	ug/L	ND	40	40	39.0	39.1	97	97	75-125	0	20	
Selenium	ug/L	ND	40	40	39.9	38.0	99	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 761693
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3491261 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/08/23 22:51	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/08/23 22:51	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/08/23 22:51	

LABORATORY CONTROL SAMPLE: 3491262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.6	97	90-110	

SAMPLE DUPLICATE: 3491263

Parameter	Units	50358877001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	214	219	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	214	219	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3491264

Parameter	Units	50358888001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	386	394	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	386	394	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 762356
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3494820 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/11/23 15:15	

LABORATORY CONTROL SAMPLE: 3494821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	264	88	80-120	

SAMPLE DUPLICATE: 3494822

Parameter	Units	50358880001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	882	894	1	10	

SAMPLE DUPLICATE: 3494823

Parameter	Units	50359265014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2340	2270	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 763796
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: 50358828001, 50358828002, 50358828003

SAMPLE DUPLICATE: 3501374

Parameter	Units	50358928006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	2	H3

SAMPLE DUPLICATE: 3501407

Parameter	Units	50358218003 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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 761826 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3491779 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/09/23 11:58	

LABORATORY CONTROL SAMPLE: 3491780

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491781 3491782

Parameter	Units	50358888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.29	0.29	54	55	90-110	1	20	M3

MATRIX SPIKE SAMPLE: 3491783

Parameter	Units	50358828001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.42	79	90-110	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 762089
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3493307 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 13:59	H3,N2

LABORATORY CONTROL SAMPLE: 3493308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	101	90-110	H3,N2

MATRIX SPIKE SAMPLE: 3493309

Parameter	Units	50359039002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.1	106	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493310 3493311

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	2.4	25	25	27.0	27.3	99	100	90-110	1	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 761438
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: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3490021 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/07/23 23:16	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/07/23 23:16	

LABORATORY CONTROL SAMPLE: 3490022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	107	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 3490023

Parameter	Units	50358877003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2.5	1	3.5	107	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	105	90-110	

MATRIX SPIKE SAMPLE: 3490024

Parameter	Units	50358888001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	0.92	91	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 763540 | Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 | Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3499994 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/19/23 18:44	

LABORATORY CONTROL SAMPLE: 3499995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3499996 3499997

Parameter	Units	50358928006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	1.4			2.9	3.0				1		

MATRIX SPIKE SAMPLE: 3499998

Parameter	Units	50358815008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	<1.5		18.2			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 763080
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001

METHOD BLANK: 3497429 Matrix: Water
Associated Lab Samples: 50358828001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/15/23 17:02	

LABORATORY CONTROL SAMPLE: 3497430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497431 3497432

Parameter	Units	50358888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.6	10	10	12.8	12.9	92	93	80-120	1	20	

MATRIX SPIKE SAMPLE: 3497433

Parameter	Units	50358828001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	10	12.3	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 763082
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828002, 50358828003

METHOD BLANK: 3497443 Matrix: Water
Associated Lab Samples: 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/15/23 17:12	

LABORATORY CONTROL SAMPLE: 3497444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497445 3497446

Parameter	Units	50358928006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.3	5	5	7.2	7.1	97	96	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497452 3497453

Parameter	Units	50358931002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.2J	5	5	7.1	7.1	98	97	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497455 3497456

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.2	10	10	10.7	10.8	96	97	80-120	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 763582
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3500180 Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/17/23 17:43	

LABORATORY CONTROL SAMPLE: 3500181

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: 3500182 3500183

Parameter	Units	50358888001 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	4.8	10	10	13.8	13.8	90	90	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3500184 3500185

Parameter	Units	50358928006 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	4.3	10	10	12.8	12.9	85	86	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-6I **Lab ID: 50358828001** Collected: 11/07/23 12:30 Received: 11/07/23 14:40 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	**0.262 ± 0.420 (0.727) C:NA T:88%**	pCi/L	12/04/23 11:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.578 ± 0.342 (0.623) C:82% T:88%**	pCi/L	11/22/23 12:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.840 ± 0.762 (1.35)**	pCi/L	12/04/23 16:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-12D **Lab ID: 50358828002** Collected: 11/07/23 13:15 Received: 11/07/23 14:40 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	**0.469 ± 0.425 (0.626) C:NA T:83%**	pCi/L	12/04/23 12:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.399 ± 0.368 (0.746) C:81% T:83%**	pCi/L	11/22/23 12:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.868 ± 0.793 (1.37)**	pCi/L	12/04/23 16:26	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Sample: MW-12D1 **Lab ID: 50358828003** Collected: 11/07/23 10:22 Received: 11/07/23 14:40 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	**0.595 ± 0.395 (0.460) C:NA T:79%**	pCi/L	12/04/23 12:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.798 ± 0.482 (0.916) C:85% T:79%**	pCi/L	11/22/23 12:56	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.39 ± 0.877 (1.38)**	pCi/L	12/04/23 16:26	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 629393
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: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3068351
Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.145 ± 0.284 (0.520) C:NA T:80%	pCi/L	12/04/23 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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

QC Batch: 629394
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: 50358828001, 50358828002, 50358828003

METHOD BLANK: 3068352
Matrix: Water
Associated Lab Samples: 50358828001, 50358828002, 50358828003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.663 ± 0.390 (0.706) C:80% T:80%	pCi/L	11/22/23 12:58	

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

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358828001	**MW-6I**	EPA 9056	762554		
50358828002	**MW-12D**	EPA 9056	762554		
50358828003	**MW-12D1**	EPA 9056	762554		
50358828001	**MW-6I**	EPA 3010	761798	EPA 6010	763341
50358828002	**MW-12D**	EPA 3010	761798	EPA 6010	763341
50358828003	**MW-12D1**	EPA 3010	761798	EPA 6010	763341
50358828001	**MW-6I**	EPA 3010	762443	EPA 6010	763223
50358828002	**MW-12D**	EPA 3010	762443	EPA 6010	763223
50358828003	**MW-12D1**	EPA 3010	762443	EPA 6010	763223
50358828001	**MW-6I**	EPA 200.2	761514	EPA 6020	761731
50358828002	**MW-12D**	EPA 200.2	761514	EPA 6020	761731
50358828003	**MW-12D1**	EPA 200.2	761514	EPA 6020	761731
50358828001	**MW-6I**	EPA 903.1	629393		
50358828002	**MW-12D**	EPA 903.1	629393		
50358828003	**MW-12D1**	EPA 903.1	629393		
50358828001	**MW-6I**	EPA 904.0	629394		
50358828002	**MW-12D**	EPA 904.0	629394		
50358828003	**MW-12D1**	EPA 904.0	629394		
50358828001	**MW-6I**	Total Radium Calculation	633674		
50358828002	**MW-12D**	Total Radium Calculation	633674		
50358828003	**MW-12D1**	Total Radium Calculation	633674		
50358828001	**MW-6I**	SM 2320B	761693		
50358828002	**MW-12D**	SM 2320B	761693		
50358828003	**MW-12D1**	SM 2320B	761693		
50358828001	**MW-6I**	SM 2540C	762356		
50358828002	**MW-12D**	SM 2540C	762356		
50358828003	**MW-12D1**	SM 2540C	762356		
50358828001	**MW-6I**	SM 4500-H+B	763796		
50358828002	**MW-12D**	SM 4500-H+B	763796		
50358828003	**MW-12D1**	SM 4500-H+B	763796		
50358828001	**MW-6I**	SM 4500-S2-D	761826		
50358828002	**MW-12D**	SM 4500-S2-D	761826		
50358828003	**MW-12D1**	SM 4500-S2-D	761826		
50358828001	**MW-6I**	HACH 8146	762089		
50358828002	**MW-12D**	HACH 8146	762089		
50358828003	**MW-12D1**	HACH 8146	762089		
50358828001	**MW-6I**	EPA 353.2	761438		
50358828002	**MW-12D**	EPA 353.2	761438		
50358828003	**MW-12D1**	EPA 353.2	761438		
50358828001	**MW-6I**	EPA 365.1	763540	EPA 365.1	763957
50358828002	**MW-12D**	EPA 365.1	763540	EPA 365.1	763957
50358828003	**MW-12D1**	EPA 365.1	763540	EPA 365.1	763957

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50358828

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50358828001	**MW-6I**	SM 5310C	763080		
50358828002	**MW-12D**	SM 5310C	763082		
50358828003	**MW-12D1**	SM 5310C	763082		
50358828001	**MW-6I**	SM 5310C	763582		
50358828002	**MW-12D**	SM 5310C	763582		
50358828003	**MW-12D1**	SM 5310C	763582		

Pace

CHAIN-OF-CUSTODY / Analytical Request D

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields mu

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pac

WO# : 50358828

50358828

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	Regulatory Agency
Suite 100, Indianapolis, IN 46256		Address:	
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #:	Pace Profile #: 10498-48	IN

PIR1

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
				Requested Analysis Filtered (Y/N)																									
1	MW-6S	WT		11-7	0950				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		
2	MW-6I	WT		11-7	1230				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		001
3	MW-6D	WT		11-7	1205				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		
4	MW-12D	WT		11-7	1315				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		002
5	MW-12DI	WT		11-7	1022				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		003
6		WT																	X	X	X	X	X	X	X	X	X	X		
7		WT																	X	X	X	X	X	X	X	X	X	X		
8		WT																	X	X	X	X	X	X	X	X	X	X		
9		WT																	X	X	X	X	X	X	X	X	X	X		
10		WT																	X	X	X	X	X	X	X	X	X	X		
11		WT																	X	X	X	X	X	X	X	X	X	X		
12																			X	X	X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	(6I) /ATHO	11-7	1330		11-7	1330				
6020 - Be,Co, As, Se, Sb (5)	(6S, 6D)	11-7	1330		11-7	1330				
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)		11-7-23			11/7/23	1440	See COOR	Y	N	Y
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	P. Gregg Hooper					
SIGNATURE of SAMPLER:		DATE Signed: 11-7-23				

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/7/23 1440 LR

1. **Courier:** ☐ FED EX ☐ UPS ☒ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☒ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G (H)

4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.0/1.0	0.9/0.9		

5. **Packing Material:** ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☒ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

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:** NO_3 / NO_2	X	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 15:35	
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)		X

	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
Headspace Wisconsin Sulfide?			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

COMMENTS:

Did not receive sample points "MW-6S", "MW-6D", -LR 11/7

COC PAGE 1 **of** 1

Sample Container Count

** Place a RED 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												1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
3																															
4												1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
5												1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

February 08, 2024

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

RE: Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 08, 2023. 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,

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: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359017001	**MW-6S**	Water	11/07/23 09:50	11/08/23 13:35
50359017002	**MW-6D**	Water	11/07/23 12:05	11/08/23 13:35

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359017001	**MW-6S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359017002	**MW-6D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	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

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359017001	**MW-6S**					
EPA 9056	Chloride	333	mg/L	25.0	11/15/23 11:18	
EPA 9056	Fluoride	1.2	mg/L	0.10	11/15/23 10:42	
EPA 9056	Sulfate	508	mg/L	25.0	11/15/23 11:18	
EPA 6010	Barium	107	ug/L	10.0	11/15/23 21:53	
EPA 6010	Boron	6430	ug/L	100	11/15/23 21:53	
EPA 6010	Calcium	259000	ug/L	2000	11/15/23 22:48	
EPA 6010	Iron	10900	ug/L	100	11/15/23 21:53	
EPA 6010	Lithium	56.9	ug/L	20.0	11/15/23 21:53	
EPA 6010	Magnesium	63500	ug/L	1000	11/15/23 21:53	
EPA 6010	Manganese	2180	ug/L	10.0	11/15/23 21:53	
EPA 6010	Molybdenum	215	ug/L	10.0	11/15/23 21:53	
EPA 6010	Potassium	10700	ug/L	1000	11/15/23 21:53	
EPA 6010	Silica	13700	ug/L	450	11/15/23 21:53	N2
EPA 6010	Sodium	268000	ug/L	2000	11/15/23 22:48	
EPA 6010	Iron, Dissolved	9670	ug/L	100	11/15/23 22:23	
EPA 6010	Manganese, Dissolved	2070	ug/L	10.0	11/15/23 22:23	
EPA 6010	Molybdenum, Dissolved	230	ug/L	10.0	11/15/23 22:23	
EPA 6020	Arsenic	17.0	ug/L	1.0	11/14/23 04:37	
EPA 6020	Cobalt	2.3	ug/L	1.0	11/14/23 04:37	
EPA 903.1	Radium-226	0.360 ± 0.366 (0.553) C:NA T:85%	pCi/L		12/04/23 12:01	
EPA 904.0	Radium-228	0.502 ± 0.416 (0.841) C:81% T:85%	pCi/L		11/22/23 12:57	
Total Radium Calculation	Total Radium	0.862 ± 0.782 (1.39)	pCi/L		12/04/23 16:26	
SM 2320B	Alkalinity, Total as CaCO3	420	mg/L	10.0	11/09/23 21:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	420	mg/L	10.0	11/09/23 21:57	
SM 2540C	Total Dissolved Solids	1810	mg/L	20.0	11/13/23 15:19	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	11/19/23 23:13	H3
HACH 8146	Iron, Ferrous	1.3	mg/L	0.50	11/10/23 14:31	H3,N2
EPA 365.1	Phosphate as P04	0.90	mg/L	0.15	11/19/23 19:18	
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	2.0	11/20/23 13:05	
50359017002	**MW-6D**					
EPA 9056	Chloride	245	mg/L	25.0	11/15/23 12:38	
EPA 9056	Fluoride	0.10	mg/L	0.10	11/15/23 12:04	
EPA 9056	Sulfate	745	mg/L	25.0	11/15/23 12:38	
EPA 6010	Aluminum	230	ug/L	200	11/15/23 21:55	
EPA 6010	Barium	38.5	ug/L	10.0	11/15/23 21:55	
EPA 6010	Boron	10800	ug/L	100	11/15/23 21:55	
EPA 6010	Calcium	283000	ug/L	2000	11/15/23 22:49	
EPA 6010	Iron	5920	ug/L	100	11/15/23 21:55	
EPA 6010	Lithium	71.0	ug/L	20.0	11/15/23 21:55	
EPA 6010	Magnesium	48400	ug/L	1000	11/15/23 21:55	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359017002	**MW-6D**					
EPA 6010	Manganese	589	ug/L	10.0	11/15/23 21:55	
EPA 6010	Molybdenum	314	ug/L	10.0	11/15/23 21:55	
EPA 6010	Potassium	11000	ug/L	1000	11/15/23 21:55	
EPA 6010	Silica	18500	ug/L	450	11/15/23 21:55	N2
EPA 6010	Sodium	174000	ug/L	1000	11/15/23 21:55	
EPA 6010	Iron, Dissolved	5800	ug/L	100	11/15/23 22:28	
EPA 6010	Manganese, Dissolved	587	ug/L	10.0	11/15/23 22:28	
EPA 6010	Molybdenum, Dissolved	316	ug/L	10.0	11/15/23 22:28	
EPA 903.1	Radium-226	0.412 ± 0.414 (0.653) C:NA T:87%	pCi/L		12/04/23 12:01	
EPA 904.0	Radium-228	1.21 ± 0.512 (0.846) C:79% T:87%	pCi/L		11/22/23 12:57	
Total Radium Calculation	Total Radium	1.62 ± 0.926 (1.50)	pCi/L		12/04/23 16:26	
SM 2320B	Alkalinity, Total as CaCO3	192	mg/L	10.0	11/09/23 21:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	192	mg/L	10.0	11/09/23 21:57	
SM 2540C	Total Dissolved Solids	1680	mg/L	20.0	11/13/23 15:20	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	11/19/23 23:20	H3
EPA 365.1	Phosphate as P04	0.23	mg/L	0.15	11/19/23 19:20	
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	2.0	11/20/23 13:16	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Sample: MW-6S **Lab ID: 50359017001** Collected: 11/07/23 09:50 Received: 11/08/23 13:35 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	**333**	mg/L	25.0	6.7	100		11/15/23 11:18	16887-00-6	
Fluoride	**1.2**	mg/L	0.10	0.017	1		11/15/23 10:42	16984-48-8	
Sulfate	**508**	mg/L	25.0	19.0	100		11/15/23 11:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/13/23 20:48	11/15/23 21:53	7429-90-5	
Barium	**107**	ug/L	10.0	1.6	1	11/13/23 20:48	11/15/23 21:53	7440-39-3	
Boron	**6430**	ug/L	100	11.4	1	11/13/23 20:48	11/15/23 21:53	7440-42-8	
Calcium	**259000**	ug/L	2000	113	2	11/13/23 20:48	11/15/23 22:48	7440-70-2	
Iron	**10900**	ug/L	100	18.1	1	11/13/23 20:48	11/15/23 21:53	7439-89-6	
Lithium	**56.9**	ug/L	20.0	5.1	1	11/13/23 20:48	11/15/23 21:53	7439-93-2	
Magnesium	**63500**	ug/L	1000	32.8	1	11/13/23 20:48	11/15/23 21:53	7439-95-4	
Manganese	**2180**	ug/L	10.0	1.1	1	11/13/23 20:48	11/15/23 21:53	7439-96-5	
Molybdenum	**215**	ug/L	10.0	1.1	1	11/13/23 20:48	11/15/23 21:53	7439-98-7	
Potassium	**10700**	ug/L	1000	120	1	11/13/23 20:48	11/15/23 21:53	7440-09-7	
Silica	**13700**	ug/L	450		1	11/13/23 20:48	11/15/23 21:53	7631-86-9	N2
Sodium	**268000**	ug/L	2000	96.4	2	11/13/23 20:48	11/15/23 22:48	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**9670**	ug/L	100	18.1	1	11/14/23 08:09	11/15/23 22:23	7439-89-6	
Manganese, Dissolved	**2070**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:23	7439-96-5	
Molybdenum, Dissolved	**230**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:23	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	0.49	1	11/13/23 07:41	11/14/23 04:37	7440-36-0	
Arsenic	**17.0**	ug/L	1.0	0.075	1	11/13/23 07:41	11/14/23 04:37	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/13/23 07:41	11/14/23 04:37	7440-41-7	
Cobalt	**2.3**	ug/L	1.0	0.046	1	11/13/23 07:41	11/14/23 04:37	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/13/23 07:41	11/14/23 04:37	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**420**	mg/L	10.0	10.0	1		11/09/23 21:57		
Alkalinity,Bicarbonate (CaCO3)	**420**	mg/L	10.0	10.0	1		11/09/23 21:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/09/23 21:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1810**	mg/L	20.0	20.0	1		11/13/23 15:19		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Sample: MW-6S **Lab ID: 50359017001** Collected: 11/07/23 09:50 Received: 11/08/23 13:35 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		11/19/23 23:13		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 14:48	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.3**	mg/L	0.50	0.088	2.5		11/10/23 14:31	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/08/23 23:22	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/08/23 23:22	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.90**	mg/L	0.15	0.15	1	11/17/23 13:00	11/19/23 19:18		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/16/23 10:55	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	2.0	0.47	2		11/20/23 13:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Sample: MW-6D **Lab ID: 50359017002** Collected: 11/07/23 12:05 Received: 11/08/23 13:35 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	**245**	mg/L	25.0	6.7	100		11/15/23 12:38	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.017	1		11/15/23 12:04	16984-48-8	
Sulfate	**745**	mg/L	25.0	19.0	100		11/15/23 12:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	**230**	ug/L	200	79.3	1	11/13/23 20:48	11/15/23 21:55	7429-90-5	
Barium	**38.5**	ug/L	10.0	1.6	1	11/13/23 20:48	11/15/23 21:55	7440-39-3	
Boron	**10800**	ug/L	100	11.4	1	11/13/23 20:48	11/15/23 21:55	7440-42-8	
Calcium	**283000**	ug/L	2000	113	2	11/13/23 20:48	11/15/23 22:49	7440-70-2	
Iron	**5920**	ug/L	100	18.1	1	11/13/23 20:48	11/15/23 21:55	7439-89-6	
Lithium	**71.0**	ug/L	20.0	5.1	1	11/13/23 20:48	11/15/23 21:55	7439-93-2	
Magnesium	**48400**	ug/L	1000	32.8	1	11/13/23 20:48	11/15/23 21:55	7439-95-4	
Manganese	**589**	ug/L	10.0	1.1	1	11/13/23 20:48	11/15/23 21:55	7439-96-5	
Molybdenum	**314**	ug/L	10.0	1.1	1	11/13/23 20:48	11/15/23 21:55	7439-98-7	
Potassium	**11000**	ug/L	1000	120	1	11/13/23 20:48	11/15/23 21:55	7440-09-7	
Silica	**18500**	ug/L	450		1	11/13/23 20:48	11/15/23 21:55	7631-86-9	N2
Sodium	**174000**	ug/L	1000	48.2	1	11/13/23 20:48	11/15/23 21:55	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**5800**	ug/L	100	18.1	1	11/14/23 08:09	11/15/23 22:28	7439-89-6	
Manganese, Dissolved	**587**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:28	7439-96-5	
Molybdenum, Dissolved	**316**	ug/L	10.0	1.1	1	11/14/23 08:09	11/15/23 22:28	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	0.49	1	11/13/23 07:41	11/14/23 04:41	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/13/23 07:41	11/14/23 04:41	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/13/23 07:41	11/14/23 04:41	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/13/23 07:41	11/14/23 04:41	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/13/23 07:41	11/14/23 04:41	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**192**	mg/L	10.0	10.0	1		11/09/23 21:57		
Alkalinity,Bicarbonate (CaCO3)	**192**	mg/L	10.0	10.0	1		11/09/23 21:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/09/23 21:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1680**	mg/L	20.0	20.0	1		11/13/23 15:20		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Sample: MW-6D **Lab ID: 50359017002** Collected: 11/07/23 12:05 Received: 11/08/23 13:35 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	**7.3**	Std. Units	0.10	0.10	1		11/19/23 23:20		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 14:48	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 14:32	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/09/23 00:03	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/09/23 00:03	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.23**	mg/L	0.15	0.15	1	11/17/23 13:00	11/19/23 19:20		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/16/23 11:15	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	2.0	0.47	2		11/20/23 13:16		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 762556
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3495366 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/15/23 09:23	
Fluoride	mg/L	ND	0.10	0.017	11/15/23 09:23	
Sulfate	mg/L	ND	0.25	0.19	11/15/23 09:23	

LABORATORY CONTROL SAMPLE: 3495367

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	0.99	99	80-120	
Sulfate	mg/L	5	4.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495368 3495369

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	59.8	25	25	86.1	86.2	105	106	80-120	0	15	
Fluoride	mg/L	ND	1	1	0.96	0.94	95	93	80-120	2	15	
Sulfate	mg/L	1340	500	500	1840	1850	99	101	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 762013
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3492966 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	79.3	11/15/23 21:15	
Barium	ug/L	ND	10.0	1.6	11/15/23 21:15	
Boron	ug/L	ND	100	11.4	11/15/23 21:15	
Calcium	ug/L	ND	1000	56.7	11/15/23 21:15	
Iron	ug/L	ND	100	18.1	11/15/23 21:15	
Lithium	ug/L	ND	20.0	5.1	11/15/23 21:15	
Magnesium	ug/L	ND	1000	32.8	11/15/23 21:15	
Manganese	ug/L	ND	10.0	1.1	11/15/23 21:15	
Molybdenum	ug/L	ND	10.0	1.1	11/15/23 21:15	
Potassium	ug/L	ND	1000	120	11/15/23 21:15	
Silica	ug/L	ND	450		11/15/23 21:15	N2
Sodium	ug/L	ND	1000	48.2	11/15/23 21:15	

LABORATORY CONTROL SAMPLE: 3492967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9580	96	80-120	
Barium	ug/L	1000	985	98	80-120	
Boron	ug/L	1000	939	94	80-120	
Calcium	ug/L	10000	9710	97	80-120	
Iron	ug/L	10000	9610	96	80-120	
Lithium	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	9460	95	80-120	
Manganese	ug/L	1000	950	95	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9660	97	80-120	
Silica	ug/L	10700	10500	98	80-120	N2
Sodium	ug/L	10000	9630	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3492968 3492969

Parameter	Units	50359004001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9270	9400	93	94	75-125	1	20	
Barium	ug/L	0.097 mg/L	1000	1000	1060	1060	96	97	75-125	1	20	
Boron	ug/L	0.34 mg/L	1000	1000	1310	1330	97	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3492968 3492969

Parameter	Units	50359004001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	231 mg/L	10000	10000	241000	242000	97	109	75-125	1	20	E
Iron	ug/L	13.0 mg/L	10000	10000	22400	22600	94	96	75-125	1	20	
Lithium	ug/L	0.077 mg/L	1000	1000	1060	1070	98	99	75-125	0	20	
Magnesium	ug/L	118 mg/L	10000	10000	127000	128000	96	102	75-125	0	20	
Manganese	ug/L	0.22 mg/L	1000	1000	1130	1140	91	93	75-125	1	20	
Molybdenum	ug/L	0.016 mg/L	1000	1000	1030	1040	101	102	75-125	1	20	
Potassium	ug/L	9.8 mg/L	10000	10000	19500	19600	96	97	75-125	1	20	
Silica	ug/L	25.0 mg/L	10700	10700	35500	35600	98	100	75-125	0	20	N2
Sodium	ug/L	58.9 mg/L	10000	10000	68500	68400	96	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 762443
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3495065 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	18.1	11/15/23 21:56	
Manganese, Dissolved	ug/L	ND	10.0	1.1	11/15/23 21:56	
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	11/15/23 21:56	

LABORATORY CONTROL SAMPLE: 3495066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9840	98	80-120	
Manganese, Dissolved	ug/L	1000	968	97	80-120	
Molybdenum, Dissolved	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495067 3495068

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	9900	10000	10000	19500	19800	96	99	75-125	2	20	
Manganese, Dissolved	ug/L	1440	1000	1000	2350	2390	91	95	75-125	2	20	
Molybdenum, Dissolved	ug/L	33.0	1000	1000	1040	1080	101	105	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 762360
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3494879 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/14/23 04:30	
Arsenic	ug/L	ND	1.0	0.075	11/14/23 04:30	
Beryllium	ug/L	ND	0.20	0.035	11/14/23 04:30	
Cobalt	ug/L	ND	1.0	0.046	11/14/23 04:30	
Selenium	ug/L	ND	1.0	0.20	11/14/23 04:30	

LABORATORY CONTROL SAMPLE: 3494880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.1	103	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Beryllium	ug/L	40	38.2	96	80-120	
Cobalt	ug/L	40	41.4	103	80-120	
Selenium	ug/L	40	39.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3494881 3494882

Parameter	Units	50359028002 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	39.5	39.6	99	99	75-125	0	20	
Arsenic	ug/L	ND	40	40	38.4	38.3	95	95	75-125	0	20	
Beryllium	ug/L	ND	40	40	38.4	38.0	96	95	75-125	1	20	CC
Cobalt	ug/L	ND	40	40	39.7	39.9	98	98	75-125	1	20	
Selenium	ug/L	ND	40	40	40.0	40.4	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 761987
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3492794 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/09/23 21:57	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/09/23 21:57	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/09/23 21:57	

LABORATORY CONTROL SAMPLE: 3492795

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: 3492796

Parameter	Units	50358873001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	216	219	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	203	206	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	13.2	12.8	3	20	

SAMPLE DUPLICATE: 3492797

Parameter	Units	50359028002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	128	127	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	128	127	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 762489
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3495170 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/13/23 15:16	

LABORATORY CONTROL SAMPLE: 3495171

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	80-120	

SAMPLE DUPLICATE: 3495172

Parameter	Units	50358941020 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1960	1890	4	10	

SAMPLE DUPLICATE: 3495173

Parameter	Units	50359026004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2800	2920	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 763865
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: 50359017001, 50359017002

SAMPLE DUPLICATE: 3501755

Parameter	Units	50359028002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	1	2	H3

SAMPLE DUPLICATE: 3501756

Parameter	Units	50358941020 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.8	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 761828
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3491789 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/09/23 14:48	

LABORATORY CONTROL SAMPLE: 3491790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491791 3491792

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.29	0.32	58	65	90-110	11	20	M3

MATRIX SPIKE SAMPLE: 3491793

Parameter	Units	50359039001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.47	92	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 762089
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3493307 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 13:59	H3,N2

LABORATORY CONTROL SAMPLE: 3493308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	101	90-110	H3,N2

MATRIX SPIKE SAMPLE: 3493309

Parameter	Units	50359039002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.1	106	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493310 3493311

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	2.4	25	25	27.0	27.3	99	100	90-110	1	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 761710
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: 50359017001

METHOD BLANK: 3491352 Matrix: Water
Associated Lab Samples: 50359017001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/08/23 22:45	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/08/23 22:45	

LABORATORY CONTROL SAMPLE: 3491353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 3491354

Parameter	Units	50358941017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.49	1	1.4	96	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491355 3491356

Parameter	Units	50358941002 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	
Nitrogen, Nitrite	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 761711
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: 50359017002

METHOD BLANK: 3491357 Matrix: Water
Associated Lab Samples: 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/08/23 23:39	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/08/23 23:39	

LABORATORY CONTROL SAMPLE: 3491358

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491359 3491360

Parameter	Units	50359028002 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	5	5	4.8	4.8	96	97	90-110	1	20	
Nitrogen, Nitrite	mg/L	ND	5	5	5.1	5.1	102	102	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491361 3491362

Parameter	Units	50358941020 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	5	5	4.8	4.8	96	96	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	5	5	5.1	5.1	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 763542
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3500003 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/19/23 19:55	

LABORATORY CONTROL SAMPLE: 3500004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3500005 3500006

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.41			1.8	1.9				3		

MATRIX SPIKE SAMPLE: 3500007

Parameter	Units	50359017001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	0.90		2.4			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 763082
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3497443 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/15/23 17:12	

LABORATORY CONTROL SAMPLE: 3497444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497445 3497446

Parameter	Units	50358928006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.3	5	5	7.2	7.1	97	96	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497452 3497453

Parameter	Units	50358931002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.2J	5	5	7.1	7.1	98	97	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497455 3497456

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.2	10	10	10.7	10.8	96	97	80-120	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 763582
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359017001, 50359017002

METHOD BLANK: 3500180 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/17/23 17:43	

LABORATORY CONTROL SAMPLE: 3500181

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: 3500182 3500183

Parameter	Units	50358888001 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	4.8	10	10	13.8	13.8	90	90	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3500184 3500185

Parameter	Units	50358928006 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	4.3	10	10	12.8	12.9	85	86	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Sample: MW-6S **Lab ID: 50359017001** Collected: 11/07/23 09:50 Received: 11/08/23 13:35 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	**0.360 ± 0.366 (0.553) C:NA T:85%**	pCi/L	12/04/23 12:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.502 ± 0.416 (0.841) C:81% T:85%**	pCi/L	11/22/23 12:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.862 ± 0.782 (1.39)**	pCi/L	12/04/23 16:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Sample: MW-6D **Lab ID: 50359017002** Collected: 11/07/23 12:05 Received: 11/08/23 13:35 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	**0.412 ± 0.414 (0.653) C:NA T:87%**	pCi/L	12/04/23 12:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.21 ± 0.512 (0.846) C:79% T:87%**	pCi/L	11/22/23 12:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.62 ± 0.926 (1.50)**	pCi/L	12/04/23 16:26	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 629393
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: 50359017001, 50359017002

METHOD BLANK: 3068351 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.145 ± 0.284 (0.520) C:NA T:80%	pCi/L	12/04/23 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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

QC Batch: 629394
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: 50359017001, 50359017002

METHOD BLANK: 3068352 Matrix: Water
Associated Lab Samples: 50359017001, 50359017002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.663 ± 0.390 (0.706) C:80% T:80%	pCi/L	11/22/23 12:58	

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

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

QUALIFIERS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

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.
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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359017

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359017001	**MW-6S**	EPA 9056	762556		
50359017002	**MW-6D**	EPA 9056	762556		
50359017001	**MW-6S**	EPA 3010	762013	EPA 6010	763221
50359017002	**MW-6D**	EPA 3010	762013	EPA 6010	763221
50359017001	**MW-6S**	EPA 3010	762443	EPA 6010	763223
50359017002	**MW-6D**	EPA 3010	762443	EPA 6010	763223
50359017001	**MW-6S**	EPA 200.2	762360	EPA 6020	762608
50359017002	**MW-6D**	EPA 200.2	762360	EPA 6020	762608
50359017001	**MW-6S**	EPA 903.1	629393		
50359017002	**MW-6D**	EPA 903.1	629393		
50359017001	**MW-6S**	EPA 904.0	629394		
50359017002	**MW-6D**	EPA 904.0	629394		
50359017001	**MW-6S**	Total Radium Calculation	633674		
50359017002	**MW-6D**	Total Radium Calculation	633674		
50359017001	**MW-6S**	SM 2320B	761987		
50359017002	**MW-6D**	SM 2320B	761987		
50359017001	**MW-6S**	SM 2540C	762489		
50359017002	**MW-6D**	SM 2540C	762489		
50359017001	**MW-6S**	SM 4500-H+B	763865		
50359017002	**MW-6D**	SM 4500-H+B	763865		
50359017001	**MW-6S**	SM 4500-S2-D	761828		
50359017002	**MW-6D**	SM 4500-S2-D	761828		
50359017001	**MW-6S**	HACH 8146	762089		
50359017002	**MW-6D**	HACH 8146	762089		
50359017001	**MW-6S**	EPA 353.2	761710		
50359017002	**MW-6D**	EPA 353.2	761711		
50359017001	**MW-6S**	EPA 365.1	763542	EPA 365.1	763961
50359017002	**MW-6D**	EPA 365.1	763542	EPA 365.1	763961
50359017001	**MW-6S**	SM 5310C	763082		
50359017002	**MW-6D**	SM 5310C	763082		
50359017001	**MW-6S**	SM 5310C	763582		
50359017002	**MW-6D**	SM 5310C	763582		

WO#: 50359017

50359017

CHAIN-OF-CUSTODY / Analytical Request Document

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

…y constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 **Of** 1

		…roject Information:		**Section C Invoice Information:**	
Company:	AES/IPL Petersburg	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street Nov 2023 P1R1	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:		**Pace Profile #:**	**10498-48**

Regulatory Agency	
State / Location	IN

SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532		Residual Chlorine (Y/N)	
1	MW-6S	WT		11-7	0950				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X	X			
2	MW-6D	WT		11-7	1205				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X	X			
3		WT																	X	X	X	X	X	X	X	X	X	X	X			
4		WT																	X	X	X	X	X	X	X	X	X	X	X			
5		WT																	X	X	X	X	X	X	X	X	X	X	X			
6		WT																	X	X	X	X	X	X	X	X	X	X	X			
7		WT																	X	X	X	X	X	X	X	X	X	X	X			
8		WT																	X	X	X	X	X	X	X	X	X	X	X			
9		WT																	X	X	X	X	X	X	X	X	X	X	X			
10		WT																	X	X	X	X	X	X	X	X	X	X	X			
11		WT																	X	X	X	X	X	X	X	X	X	X	X			
12																			X	X	X	X	X	X	X	X	X	X	X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	[signature]	11-8-23	1230	[signature] /Atlas	11-8-23	1230				
6020 - Be,Co, As, Se, Sb (5)	[signature] /Atlas	11-8/23	1335	[signature]	11/8/23	1335	0.9	Y	N	Y
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)										
6010 diss - Fe, Mn, Mo (3)										
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: P. Greg Hopper

SIGNATURE of SAMPLER: [signature] **DATE Signed:** 11-8-23

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: MD 11/2/23 1345

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C (D) E F G H

4. **Cooler Temperature(s):** 0.9/0.9 | | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

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:** N-3	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1400	
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)			✓
Headspace Wisconsin Sulfide?			
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:		✓	

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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												1	1			2	2	1	1	1	1		1					SL	✓	✓		✓
2												1	1			2	2	1	1	1	1		1					SL	✓	✓		✓
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 30, 2024

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

RE: Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 08, 2023. 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,

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: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359090001	**MW-11S**	Water	11/08/23 14:45	11/08/23 17:24
50359090002	**MW-11D**	Water	11/08/23 10:35	11/08/23 17:24
50359090003	**MW-10S**	Water	11/08/23 14:58	11/08/23 17:24
50359090004	**MW-10D**	Water	11/08/23 11:38	11/08/23 17:24

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359090001	**MW-11S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359090002	**MW-11D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359090003	**MW-10S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359090004	**MW-10D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359090001	**MW-11S**					
EPA 9056	Chloride	30.0	mg/L	2.5	11/16/23 23:00	
EPA 9056	Fluoride	1.5	mg/L	0.10	11/16/23 22:43	
EPA 9056	Sulfate	105	mg/L	2.5	11/16/23 23:00	
EPA 6010	Aluminum	4520	ug/L	200	11/20/23 16:56	
EPA 6010	Barium	123	ug/L	10.0	11/20/23 16:56	
EPA 6010	Boron	903	ug/L	100	11/20/23 16:56	
EPA 6010	Calcium	66800	ug/L	1000	11/20/23 16:56	
EPA 6010	Iron	5210	ug/L	100	11/20/23 16:56	
EPA 6010	Magnesium	35500	ug/L	1000	11/20/23 16:56	
EPA 6010	Manganese	92.7	ug/L	10.0	11/20/23 16:56	
EPA 6010	Molybdenum	72.2	ug/L	10.0	11/20/23 16:56	
EPA 6010	Potassium	3320	ug/L	1000	11/20/23 16:56	
EPA 6010	Silica	31000	ug/L	450	11/20/23 16:56	N2
EPA 6010	Sodium	21700	ug/L	1000	11/20/23 16:56	
EPA 6010	Manganese, Dissolved	17.1	ug/L	10.0	11/18/23 02:23	
EPA 6010	Molybdenum, Dissolved	74.3	ug/L	10.0	11/18/23 02:23	
EPA 6020	Arsenic	5.0	ug/L	1.0	11/14/23 04:44	
EPA 6020	Cobalt	2.0	ug/L	1.0	11/14/23 04:44	
EPA 903.1	Radium-226	0.651 ± 0.481 (0.651) C:NA T:87%	pCi/L		11/30/23 14:56	
EPA 904.0	Radium-228	0.189 ± 0.366 (0.804) C:88% T:87%	pCi/L		11/29/23 15:19	
Total Radium Calculation	Total Radium	0.840 ± 0.847 (1.46)	pCi/L		12/04/23 13:25	
SM 2320B	Alkalinity, Total as CaCO3	221	mg/L	10.0	11/10/23 20:59	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	221	mg/L	10.0	11/10/23 20:59	
SM 2540C	Total Dissolved Solids	449	mg/L	10.0	11/13/23 15:10	
SM 4500-H+B	pH at 25 Degrees C	7.9	Std. Units	0.10	11/20/23 00:51	H3
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	11/18/23 03:49	
50359090002	**MW-11D**					
EPA 9056	Chloride	73.8	mg/L	2.5	11/16/23 23:34	
EPA 9056	Fluoride	0.34	mg/L	0.10	11/16/23 23:17	
EPA 9056	Sulfate	519	mg/L	25.0	11/18/23 14:26	
EPA 6010	Barium	23.8	ug/L	10.0	11/20/23 16:57	
EPA 6010	Boron	10500	ug/L	100	11/20/23 16:57	
EPA 6010	Calcium	194000	ug/L	1000	11/20/23 16:57	
EPA 6010	Iron	5070	ug/L	100	11/20/23 16:57	
EPA 6010	Lithium	137	ug/L	20.0	11/20/23 16:57	
EPA 6010	Magnesium	46600	ug/L	1000	11/20/23 16:57	
EPA 6010	Manganese	35.3	ug/L	10.0	11/20/23 16:57	
EPA 6010	Potassium	2980	ug/L	1000	11/20/23 16:57	
EPA 6010	Silica	17200	ug/L	450	11/20/23 16:57	N2
EPA 6010	Sodium	83800	ug/L	1000	11/20/23 16:57	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359090002	**MW-11D**					
EPA 6010	Iron, Dissolved	5180	ug/L	100	11/18/23 02:24	
EPA 6010	Manganese, Dissolved	37.3	ug/L	10.0	11/18/23 02:24	
EPA 6020	Arsenic	15.0	ug/L	1.0	11/14/23 04:54	
EPA 903.1	Radium-226	0.406 ± 0.442 (0.696) C:NA T:87%	pCi/L		11/30/23 14:56	
EPA 904.0	Radium-228	0.728 ± 0.492 (0.950) C:80% T:80%	pCi/L		11/29/23 15:19	
Total Radium Calculation	Total Radium	1.13 ± 0.934 (1.65)	pCi/L		12/04/23 13:25	
SM 2320B	Alkalinity, Total as CaCO3	256	mg/L	10.0	11/10/23 20:59	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	256	mg/L	10.0	11/10/23 20:59	
SM 2540C	Total Dissolved Solids	1160	mg/L	20.0	11/14/23 14:52	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/20/23 00:48	H3
HACH 8146	Iron, Ferrous	5.2	mg/L	1.0	11/10/23 16:38	H3,N2
EPA 365.1	Phosphate as P04	0.20	mg/L	0.15	11/20/23 12:45	
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	1.0	11/18/23 04:00	
50359090003	**MW-10S**					
EPA 9056	Chloride	219	mg/L	25.0	11/17/23 00:25	
EPA 9056	Fluoride	3.1	mg/L	0.10	11/16/23 23:51	
EPA 9056	Sulfate	363	mg/L	2.5	11/17/23 00:08	
EPA 6010	Barium	53.7	ug/L	10.0	11/20/23 16:58	
EPA 6010	Boron	2620	ug/L	100	11/20/23 16:58	
EPA 6010	Calcium	125000	ug/L	1000	11/20/23 16:58	
EPA 6010	Iron	886	ug/L	100	11/20/23 16:58	
EPA 6010	Lithium	33.4	ug/L	20.0	11/20/23 16:58	
EPA 6010	Magnesium	24700	ug/L	1000	11/20/23 16:58	
EPA 6010	Manganese	274	ug/L	10.0	11/20/23 16:58	
EPA 6010	Molybdenum	162	ug/L	10.0	11/20/23 16:58	
EPA 6010	Potassium	6790	ug/L	1000	11/20/23 16:58	
EPA 6010	Silica	16300	ug/L	450	11/20/23 16:58	N2
EPA 6010	Sodium	266000	ug/L	2000	11/20/23 18:34	
EPA 6010	Iron, Dissolved	841	ug/L	100	11/18/23 02:25	
EPA 6010	Manganese, Dissolved	286	ug/L	10.0	11/18/23 02:25	
EPA 6010	Molybdenum, Dissolved	164	ug/L	10.0	11/18/23 02:25	
EPA 6020	Arsenic	320	ug/L	3.0	11/14/23 15:57	
EPA 903.1	Radium-226	0.611 ± 0.427 (0.515) C:NA T:89%	pCi/L		11/30/23 14:56	
EPA 904.0	Radium-228	0.499 ± 0.429 (0.870) C:79% T:85%	pCi/L		11/29/23 15:19	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359090003	**MW-10S**					
Total Radium Calculation	Total Radium	1.11 ± 0.856 (1.39)	pCi/L		12/04/23 13:25	
SM 2320B	Alkalinity, Total as CaCO3	312	mg/L	10.0	11/10/23 20:59	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	312	mg/L	10.0	11/10/23 20:59	
SM 2540C	Total Dissolved Solids	1200	mg/L	20.0	11/14/23 14:52	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	11/20/23 00:52	H3
HACH 8146	Iron, Ferrous	0.59	mg/L	0.20	11/10/23 16:58	H3,N2
EPA 365.1	Phosphate as P04	0.97	mg/L	0.15	11/20/23 12:48	
SM 5310C	Total Organic Carbon	2.2	mg/L	1.0	11/16/23 17:16	
SM 5310C	Dissolved Organic Carbon	3.4	mg/L	1.0	11/18/23 04:12	
50359090004	**MW-10D**					
EPA 9056	Chloride	343	mg/L	25.0	11/17/23 01:49	
EPA 9056	Fluoride	1.9	mg/L	0.10	11/17/23 01:15	
EPA 9056	Sulfate	485	mg/L	25.0	11/17/23 01:49	
EPA 6010	Barium	30.7	ug/L	10.0	11/20/23 17:00	
EPA 6010	Boron	2020	ug/L	100	11/20/23 17:00	
EPA 6010	Calcium	193000	ug/L	1000	11/20/23 17:00	
EPA 6010	Iron	2010	ug/L	100	11/20/23 17:00	
EPA 6010	Lithium	49.7	ug/L	20.0	11/20/23 17:00	
EPA 6010	Magnesium	69200	ug/L	1000	11/20/23 17:00	
EPA 6010	Manganese	188	ug/L	10.0	11/20/23 17:00	
EPA 6010	Molybdenum	68.8	ug/L	10.0	11/20/23 17:00	
EPA 6010	Potassium	9170	ug/L	1000	11/20/23 17:00	
EPA 6010	Silica	15700	ug/L	450	11/20/23 17:00	N2
EPA 6010	Sodium	245000	ug/L	2000	11/20/23 18:36	
EPA 6010	Iron, Dissolved	1980	ug/L	100	11/18/23 02:27	
EPA 6010	Manganese, Dissolved	189	ug/L	10.0	11/18/23 02:27	
EPA 6010	Molybdenum, Dissolved	67.6	ug/L	10.0	11/18/23 02:27	
EPA 6020	Arsenic	89.1	ug/L	1.0	11/14/23 05:01	
EPA 903.1	Radium-226	0.845 ± 0.737 (1.12) C:NA T:83%	pCi/L		11/30/23 14:56	
EPA 904.0	Radium-228	0.722 ± 0.421 (0.779) C:91% T:81%	pCi/L		11/29/23 15:19	
Total Radium Calculation	Total Radium	1.57 ± 1.16 (1.90)	pCi/L		12/04/23 13:25	
SM 2320B	Alkalinity, Total as CaCO3	314	mg/L	10.0	11/10/23 20:59	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	314	mg/L	10.0	11/10/23 20:59	
SM 2540C	Total Dissolved Solids	1750	mg/L	20.0	11/14/23 14:52	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/20/23 00:50	H3
HACH 8146	Iron, Ferrous	1.4	mg/L	0.20	11/10/23 16:40	H3,N2
EPA 365.1	Phosphate as P04	0.17	mg/L	0.15	11/20/23 12:50	
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	2.0	11/20/23 13:28	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-11S **Lab ID: 50359090001** Collected: 11/08/23 14:45 Received: 11/08/23 17:24 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	**30.0**	mg/L	2.5	0.67	10		11/16/23 23:00	16887-00-6	
Fluoride	**1.5**	mg/L	0.10	0.017	1		11/16/23 22:43	16984-48-8	
Sulfate	**105**	mg/L	2.5	1.9	10		11/16/23 23:00	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	**4520**	ug/L	200	14.1	1	11/14/23 08:21	11/20/23 16:56	7429-90-5	
Barium	**123**	ug/L	10.0	0.45	1	11/14/23 08:21	11/20/23 16:56	7440-39-3	
Boron	**903**	ug/L	100	6.2	1	11/14/23 08:21	11/20/23 16:56	7440-42-8	
Calcium	**66800**	ug/L	1000	67.7	1	11/14/23 08:21	11/20/23 16:56	7440-70-2	
Iron	**5210**	ug/L	100	30.0	1	11/14/23 08:21	11/20/23 16:56	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/14/23 08:21	11/20/23 16:56	7439-93-2	
Magnesium	**35500**	ug/L	1000	33.6	1	11/14/23 08:21	11/20/23 16:56	7439-95-4	
Manganese	**92.7**	ug/L	10.0	1.8	1	11/14/23 08:21	11/20/23 16:56	7439-96-5	
Molybdenum	**72.2**	ug/L	10.0	0.78	1	11/14/23 08:21	11/20/23 16:56	7439-98-7	
Potassium	**3320**	ug/L	1000	97.8	1	11/14/23 08:21	11/20/23 16:56	7440-09-7	
Silica	**31000**	ug/L	450		1	11/14/23 08:21	11/20/23 16:56	7631-86-9	N2
Sodium	**21700**	ug/L	1000	54.8	1	11/14/23 08:21	11/20/23 16:56	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	ND	ug/L	100	30.0	1	11/17/23 08:18	11/18/23 02:23	7439-89-6	
Manganese, Dissolved	**17.1**	ug/L	10.0	1.8	1	11/17/23 08:18	11/18/23 02:23	7439-96-5	
Molybdenum, Dissolved	**74.3**	ug/L	10.0	0.78	1	11/17/23 08:18	11/18/23 02:23	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	0.49	1	11/13/23 07:41	11/14/23 04:44	7440-36-0	
Arsenic	**5.0**	ug/L	1.0	0.075	1	11/13/23 07:41	11/14/23 04:44	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/13/23 07:41	11/14/23 04:44	7440-41-7	
Cobalt	**2.0**	ug/L	1.0	0.046	1	11/13/23 07:41	11/14/23 04:44	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/13/23 07:41	11/14/23 04:44	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		11/10/23 20:59		
Alkalinity,Bicarbonate (CaCO3)	**221**	mg/L	10.0	10.0	1		11/10/23 20:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/10/23 20:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**449**	mg/L	10.0	10.0	1		11/13/23 15:10		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-11S **Lab ID: 50359090001** Collected: 11/08/23 14:45 Received: 11/08/23 17:24 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	**7.9**	Std. Units	0.10	0.10	1		11/20/23 00:51		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 14:48	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 16:57	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/09/23 02:17	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/09/23 02:17	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/18/23 10:00	11/20/23 12:43		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	2.0	0.47	2		11/16/23 16:23	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	1.0	0.24	1		11/18/23 03:49		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-11D **Lab ID: 50359090002** Collected: 11/08/23 10:35 Received: 11/08/23 17:24 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	**73.8**	mg/L	2.5	0.67	10		11/16/23 23:34	16887-00-6	
Fluoride	**0.34**	mg/L	0.10	0.017	1		11/16/23 23:17	16984-48-8	
Sulfate	**519**	mg/L	25.0	19.0	100		11/18/23 14:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/14/23 08:21	11/20/23 16:57	7429-90-5	
Barium	**23.8**	ug/L	10.0	0.45	1	11/14/23 08:21	11/20/23 16:57	7440-39-3	
Boron	**10500**	ug/L	100	6.2	1	11/14/23 08:21	11/20/23 16:57	7440-42-8	
Calcium	**194000**	ug/L	1000	67.7	1	11/14/23 08:21	11/20/23 16:57	7440-70-2	
Iron	**5070**	ug/L	100	30.0	1	11/14/23 08:21	11/20/23 16:57	7439-89-6	
Lithium	**137**	ug/L	20.0	6.8	1	11/14/23 08:21	11/20/23 16:57	7439-93-2	
Magnesium	**46600**	ug/L	1000	33.6	1	11/14/23 08:21	11/20/23 16:57	7439-95-4	
Manganese	**35.3**	ug/L	10.0	1.8	1	11/14/23 08:21	11/20/23 16:57	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/14/23 08:21	11/20/23 16:57	7439-98-7	
Potassium	**2980**	ug/L	1000	97.8	1	11/14/23 08:21	11/20/23 16:57	7440-09-7	
Silica	**17200**	ug/L	450		1	11/14/23 08:21	11/20/23 16:57	7631-86-9	N2
Sodium	**83800**	ug/L	1000	54.8	1	11/14/23 08:21	11/20/23 16:57	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**5180**	ug/L	100	30.0	1	11/17/23 08:18	11/18/23 02:24	7439-89-6	
Manganese, Dissolved	**37.3**	ug/L	10.0	1.8	1	11/17/23 08:18	11/18/23 02:24	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/17/23 08:18	11/18/23 02:24	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	0.49	1	11/13/23 07:41	11/14/23 04:54	7440-36-0	
Arsenic	**15.0**	ug/L	1.0	0.075	1	11/13/23 07:41	11/14/23 04:54	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/13/23 07:41	11/14/23 04:54	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/13/23 07:41	11/14/23 04:54	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/13/23 07:41	11/14/23 04:54	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**256**	mg/L	10.0	10.0	1		11/10/23 20:59		
Alkalinity,Bicarbonate (CaCO3)	**256**	mg/L	10.0	10.0	1		11/10/23 20:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/10/23 20:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1160**	mg/L	20.0	20.0	1		11/14/23 14:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-11D **Lab ID: 50359090002** Collected: 11/08/23 10:35 Received: 11/08/23 17:24 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	**7.4**	Std. Units	0.10	0.10	1		11/20/23 00:48		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 14:48	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**5.2**	mg/L	1.0	0.18	5		11/10/23 16:38	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/09/23 02:00	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/09/23 02:00	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.20**	mg/L	0.15	0.15	1	11/18/23 10:00	11/20/23 12:45		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	1.0	0.24	1		11/16/23 16:49	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.6**	mg/L	1.0	0.24	1		11/18/23 04:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-10S **Lab ID: 50359090003** Collected: 11/08/23 14:58 Received: 11/08/23 17:24 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	**219**	mg/L	25.0	6.7	100		11/17/23 00:25	16887-00-6	
Fluoride	**3.1**	mg/L	0.10	0.017	1		11/16/23 23:51	16984-48-8	
Sulfate	**363**	mg/L	2.5	1.9	10		11/17/23 00:08	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/14/23 08:21	11/20/23 16:58	7429-90-5	
Barium	**53.7**	ug/L	10.0	0.45	1	11/14/23 08:21	11/20/23 16:58	7440-39-3	
Boron	**2620**	ug/L	100	6.2	1	11/14/23 08:21	11/20/23 16:58	7440-42-8	
Calcium	**125000**	ug/L	1000	67.7	1	11/14/23 08:21	11/20/23 16:58	7440-70-2	
Iron	**886**	ug/L	100	30.0	1	11/14/23 08:21	11/20/23 16:58	7439-89-6	
Lithium	**33.4**	ug/L	20.0	6.8	1	11/14/23 08:21	11/20/23 16:58	7439-93-2	
Magnesium	**24700**	ug/L	1000	33.6	1	11/14/23 08:21	11/20/23 16:58	7439-95-4	
Manganese	**274**	ug/L	10.0	1.8	1	11/14/23 08:21	11/20/23 16:58	7439-96-5	
Molybdenum	**162**	ug/L	10.0	0.78	1	11/14/23 08:21	11/20/23 16:58	7439-98-7	
Potassium	**6790**	ug/L	1000	97.8	1	11/14/23 08:21	11/20/23 16:58	7440-09-7	
Silica	**16300**	ug/L	450		1	11/14/23 08:21	11/20/23 16:58	7631-86-9	N2
Sodium	**266000**	ug/L	2000	110	2	11/14/23 08:21	11/20/23 18:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**841**	ug/L	100	30.0	1	11/17/23 08:18	11/18/23 02:25	7439-89-6	
Manganese, Dissolved	**286**	ug/L	10.0	1.8	1	11/17/23 08:18	11/18/23 02:25	7439-96-5	
Molybdenum, Dissolved	**164**	ug/L	10.0	0.78	1	11/17/23 08:18	11/18/23 02:25	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	0.49	1	11/13/23 07:41	11/14/23 04:58	7440-36-0	
Arsenic	**320**	ug/L	3.0	0.22	3	11/13/23 07:41	11/14/23 15:57	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/13/23 07:41	11/14/23 04:58	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/13/23 07:41	11/14/23 04:58	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/13/23 07:41	11/14/23 04:58	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**312**	mg/L	10.0	10.0	1		11/10/23 20:59		
Alkalinity,Bicarbonate (CaCO3)	**312**	mg/L	10.0	10.0	1		11/10/23 20:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/10/23 20:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1200**	mg/L	20.0	20.0	1		11/14/23 14:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-10S **Lab ID: 50359090003** Collected: 11/08/23 14:58 Received: 11/08/23 17:24 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	**7.8**	Std. Units	0.10	0.10	1		11/20/23 00:52		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 14:48	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.59**	mg/L	0.20	0.035	1		11/10/23 16:58	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/09/23 02:19	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/09/23 02:19	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.97**	mg/L	0.15	0.15	1	11/18/23 10:00	11/20/23 12:48		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.2**	mg/L	1.0	0.24	1		11/16/23 17:16	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.4**	mg/L	1.0	0.24	1		11/18/23 04:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-10D **Lab ID: 50359090004** Collected: 11/08/23 11:38 Received: 11/08/23 17:24 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	**343**	mg/L	25.0	6.7	100		11/17/23 01:49	16887-00-6	
Fluoride	**1.9**	mg/L	0.10	0.017	1		11/17/23 01:15	16984-48-8	
Sulfate	**485**	mg/L	25.0	19.0	100		11/17/23 01:49	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/14/23 08:21	11/20/23 17:00	7429-90-5	
Barium	**30.7**	ug/L	10.0	0.45	1	11/14/23 08:21	11/20/23 17:00	7440-39-3	
Boron	**2020**	ug/L	100	6.2	1	11/14/23 08:21	11/20/23 17:00	7440-42-8	
Calcium	**193000**	ug/L	1000	67.7	1	11/14/23 08:21	11/20/23 17:00	7440-70-2	
Iron	**2010**	ug/L	100	30.0	1	11/14/23 08:21	11/20/23 17:00	7439-89-6	
Lithium	**49.7**	ug/L	20.0	6.8	1	11/14/23 08:21	11/20/23 17:00	7439-93-2	
Magnesium	**69200**	ug/L	1000	33.6	1	11/14/23 08:21	11/20/23 17:00	7439-95-4	
Manganese	**188**	ug/L	10.0	1.8	1	11/14/23 08:21	11/20/23 17:00	7439-96-5	
Molybdenum	**68.8**	ug/L	10.0	0.78	1	11/14/23 08:21	11/20/23 17:00	7439-98-7	
Potassium	**9170**	ug/L	1000	97.8	1	11/14/23 08:21	11/20/23 17:00	7440-09-7	
Silica	**15700**	ug/L	450		1	11/14/23 08:21	11/20/23 17:00	7631-86-9	N2
Sodium	**245000**	ug/L	2000	110	2	11/14/23 08:21	11/20/23 18:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1980**	ug/L	100	30.0	1	11/17/23 08:18	11/18/23 02:27	7439-89-6	
Manganese, Dissolved	**189**	ug/L	10.0	1.8	1	11/17/23 08:18	11/18/23 02:27	7439-96-5	
Molybdenum, Dissolved	**67.6**	ug/L	10.0	0.78	1	11/17/23 08:18	11/18/23 02:27	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	0.49	1	11/13/23 07:41	11/14/23 05:01	7440-36-0	
Arsenic	**89.1**	ug/L	1.0	0.075	1	11/13/23 07:41	11/14/23 05:01	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/13/23 07:41	11/14/23 05:01	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/13/23 07:41	11/14/23 05:01	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/13/23 07:41	11/14/23 05:01	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**314**	mg/L	10.0	10.0	1		11/10/23 20:59		
Alkalinity,Bicarbonate (CaCO3)	**314**	mg/L	10.0	10.0	1		11/10/23 20:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/10/23 20:59		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1750**	mg/L	20.0	20.0	1		11/14/23 14:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-10D **Lab ID: 50359090004** Collected: 11/08/23 11:38 Received: 11/08/23 17:24 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	**7.4**	Std. Units	0.10	0.10	1		11/20/23 00:50		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/09/23 14:48	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.4**	mg/L	0.20	0.035	1		11/10/23 16:40	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/09/23 02:06	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/09/23 02:06	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.17**	mg/L	0.15	0.15	1	11/18/23 10:00	11/20/23 12:50		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/17/23 09:24	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.5**	mg/L	2.0	0.47	2		11/20/23 13:28		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 762573
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3495420 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/16/23 22:10	
Fluoride	mg/L	ND	0.10	0.017	11/16/23 22:10	
Sulfate	mg/L	ND	0.25	0.19	11/16/23 22:10	

LABORATORY CONTROL SAMPLE: 3495421

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	1.0	100	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495424 3495425

Parameter	Units	50359101002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	21.7	2.5	2.5	23.6	24.1	77	96	80-120	2	15	M0
Fluoride	mg/L	ND	1	1	0.98	1.0	98	100	80-120	3	15	
Sulfate	mg/L	987	500	500	1470	1500	97	102	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 762434
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3495027 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	11/20/23 16:24	
Barium	ug/L	ND	10.0	0.45	11/20/23 16:24	
Boron	ug/L	ND	100	6.2	11/20/23 16:24	
Calcium	ug/L	ND	1000	67.7	11/20/23 16:24	
Iron	ug/L	ND	100	30.0	11/20/23 16:24	
Lithium	ug/L	ND	20.0	6.8	11/20/23 16:24	
Magnesium	ug/L	ND	1000	33.6	11/20/23 16:24	
Manganese	ug/L	ND	10.0	1.8	11/20/23 16:24	
Molybdenum	ug/L	ND	10.0	0.78	11/20/23 16:24	
Potassium	ug/L	ND	1000	97.8	11/20/23 16:24	
Silica	ug/L	ND	450		11/20/23 16:24	N2
Sodium	ug/L	ND	1000	54.8	11/20/23 16:24	

LABORATORY CONTROL SAMPLE: 3495028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9750	97	80-120	
Barium	ug/L	1000	1010	101	80-120	
Boron	ug/L	1000	945	94	80-120	
Calcium	ug/L	10000	9800	98	80-120	
Iron	ug/L	10000	9720	97	80-120	
Lithium	ug/L	1000	1020	102	80-120	
Magnesium	ug/L	10000	9290	93	80-120	
Manganese	ug/L	1000	940	94	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Silica	ug/L	10700	10400	97	80-120	N2
Sodium	ug/L	10000	9620	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495029 3495030

Parameter	Units	50357998001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	0.61 mg/L	10000	10000	10500	10400	99	98	75-125	1	20	
Barium	ug/L	0.034 mg/L	1000	1000	1040	1030	101	99	75-125	1	20	
Boron	ug/L	14.2 mg/L	1000	1000	15000	14700	87	59	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495029 3495030

Parameter	Units	50357998001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	158 mg/L	10000	10000	166000	164000	76	56	75-125	1	20	P6
Iron	ug/L	0.89 mg/L	10000	10000	10500	10500	96	96	75-125	0	20	
Lithium	ug/L	0.035 mg/L	1000	1000	1060	1060	103	102	75-125	1	20	
Magnesium	ug/L	40.6 mg/L	10000	10000	49600	49000	90	84	75-125	1	20	
Manganese	ug/L	0.39 mg/L	1000	1000	1320	1310	93	91	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Potassium	ug/L	1.6 mg/L	10000	10000	11900	11800	103	101	75-125	1	20	
Silica	ug/L	16.5 mg/L	10700	10700	27400	27100	102	99	75-125	1	20	N2
Sodium	ug/L	36.9 mg/L	10000	10000	45900	45300	90	84	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 763240
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3498338 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/18/23 02:20	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/18/23 02:20	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/18/23 02:20	

LABORATORY CONTROL SAMPLE: 3498339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9980	100	80-120	
Manganese, Dissolved	ug/L	1000	989	99	80-120	
Molybdenum, Dissolved	ug/L	1000	1030	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498340 3498341

Parameter	Units	50359167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	ND	10000	10000	9590	9520	96	95	75-125	1	20	
Manganese, Dissolved	ug/L	2210	1000	1000	3110	3060	90	85	75-125	2	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1030	1020	102	101	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 762360
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3494879 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/14/23 04:30	
Arsenic	ug/L	ND	1.0	0.075	11/14/23 04:30	
Beryllium	ug/L	ND	0.20	0.035	11/14/23 04:30	
Cobalt	ug/L	ND	1.0	0.046	11/14/23 04:30	
Selenium	ug/L	ND	1.0	0.20	11/14/23 04:30	

LABORATORY CONTROL SAMPLE: 3494880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.1	103	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Beryllium	ug/L	40	38.2	96	80-120	
Cobalt	ug/L	40	41.4	103	80-120	
Selenium	ug/L	40	39.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3494881 3494882

Parameter	Units	50359028002 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	39.5	39.6	99	99	75-125	0	20	
Arsenic	ug/L	ND	40	40	38.4	38.3	95	95	75-125	0	20	
Beryllium	ug/L	ND	40	40	38.4	38.0	96	95	75-125	1	20	CC
Cobalt	ug/L	ND	40	40	39.7	39.9	98	98	75-125	1	20	
Selenium	ug/L	ND	40	40	40.0	40.4	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 762261
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3494216 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/10/23 20:59	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/10/23 20:59	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/10/23 20:59	

LABORATORY CONTROL SAMPLE: 3494217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.3	99	90-110	

SAMPLE DUPLICATE: 3494218

Parameter	Units	50359053001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	520	527	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	520	527	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3494219

Parameter	Units	50359053002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	476	486	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	476	486	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 762494
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001

METHOD BLANK: 3495190 Matrix: Water
Associated Lab Samples: 50359090001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/13/23 14:59	

LABORATORY CONTROL SAMPLE: 3495191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	283	94	80-120	

SAMPLE DUPLICATE: 3495192

Parameter	Units	50359432003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1520	1500	2	10	

SAMPLE DUPLICATE: 3495193

Parameter	Units	50359432009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1200	1200	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 762764
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090002, 50359090003, 50359090004

METHOD BLANK: 3496143 Matrix: Water
Associated Lab Samples: 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/14/23 14:51	

LABORATORY CONTROL SAMPLE: 3496144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	302	101	80-120	

SAMPLE DUPLICATE: 3496145

Parameter	Units	50359090002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1160	1170	1	10	

SAMPLE DUPLICATE: 3496146

Parameter	Units	50359097003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3660	3680	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 763868
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: 50359090001, 50359090002, 50359090003, 50359090004

SAMPLE DUPLICATE: 3501761

Parameter	Units	50357998001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.3	1	2	H3

SAMPLE DUPLICATE: 3501762

Parameter	Units	50359731001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.7	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 761828 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3491789 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/09/23 14:48	

LABORATORY CONTROL SAMPLE: 3491790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491791 3491792

Parameter	Units	50359028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.29	0.32	58	65	90-110	11	20	M3

MATRIX SPIKE SAMPLE: 3491793

Parameter	Units	50359039001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.47	92	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 762234 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3493977 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 16:35	H3,N2

LABORATORY CONTROL SAMPLE: 3493978

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.98	98	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493979 3493980

Parameter	Units	50359167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.0	107	102	90-110	5	20	H3,N2

MATRIX SPIKE SAMPLE: 3493981

Parameter	Units	50359162004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.0	105	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 761713
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: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3491368 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/09/23 01:33	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/09/23 01:33	

LABORATORY CONTROL SAMPLE: 3491369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 3491370

Parameter	Units	50358934007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	0.98	97	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3491371 3491372

Parameter	Units	50359042005 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	
Nitrogen, Nitrite	mg/L	ND	1	1	1.0	1.0	103	103	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 763766
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002

METHOD BLANK: 3501179 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/20/23 12:28	

LABORATORY CONTROL SAMPLE: 3501180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3501181 3501182

Parameter	Units	50359090001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.7	1.7				1		

MATRIX SPIKE SAMPLE: 3501183

Parameter	Units	50359090002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	0.20		1.6			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 763767
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090003, 50359090004

METHOD BLANK: 3501184 Matrix: Water
Associated Lab Samples: 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/20/23 12:47	

LABORATORY CONTROL SAMPLE: 3501185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3501186 3501187

Parameter	Units	50359090003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.97			2.6	2.5				1		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 763086 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3497484 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/16/23 15:08	

LABORATORY CONTROL SAMPLE: 3497485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497486 3497487

Parameter	Units	50359167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.6	10	10	12.4	12.4	98	98	80-120	0	20	

MATRIX SPIKE SAMPLE: 3497488

Parameter	Units	50359167002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	10	9.8	96	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 763583 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3500186 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/18/23 00:01	

LABORATORY CONTROL SAMPLE: 3500187

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: 3500188 3500189

Parameter	Units	50359028002 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	2.0	10	10	11.6	11.7	96	97	80-120	1	20	

MATRIX SPIKE SAMPLE: 3500190

Parameter	Units	50359034001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.9	10	12.6	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-11S **Lab ID: 50359090001** Collected: 11/08/23 14:45 Received: 11/08/23 17:24 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	**0.651 ± 0.481 (0.651) C:NA T:87%**	pCi/L	11/30/23 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.189 ± 0.366 (0.804) C:88% T:87%**	pCi/L	11/29/23 15:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.840 ± 0.847 (1.46)**	pCi/L	12/04/23 13:25	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-11D **Lab ID: 50359090002** Collected: 11/08/23 10:35 Received: 11/08/23 17:24 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	**0.406 ± 0.442 (0.696) C:NA T:87%**	pCi/L	11/30/23 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.728 ± 0.492 (0.950) C:80% T:80%**	pCi/L	11/29/23 15:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.13 ± 0.934 (1.65)**	pCi/L	12/04/23 13:25	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-10S **Lab ID: 50359090003** Collected: 11/08/23 14:58 Received: 11/08/23 17:24 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	**0.611 ± 0.427 (0.515) C:NA T:89%**	pCi/L	11/30/23 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.499 ± 0.429 (0.870) C:79% T:85%**	pCi/L	11/29/23 15:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.11 ± 0.856 (1.39)**	pCi/L	12/04/23 13:25	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Sample: MW-10D **Lab ID: 50359090004** Collected: 11/08/23 11:38 Received: 11/08/23 17:24 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	**0.845 ± 0.737 (1.12) C:NA T:83%**	pCi/L	11/30/23 14:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.722 ± 0.421 (0.779) C:91% T:81%**	pCi/L	11/29/23 15:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.57 ± 1.16 (1.90)**	pCi/L	12/04/23 13:25	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 629717
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: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3069884 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.220 ± 0.230 (0.324) C:NA T:92%	pCi/L	11/30/23 14:28	

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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

QC Batch: 629718
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: 50359090001, 50359090002, 50359090003, 50359090004

METHOD BLANK: 3069886 Matrix: Water
Associated Lab Samples: 50359090001, 50359090002, 50359090003, 50359090004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.498 ± 0.376 (0.736) C:76% T:85%	pCi/L	11/29/23 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

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

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.
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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359090001	**MW-11S**	EPA 9056	762573		
50359090002	**MW-11D**	EPA 9056	762573		
50359090003	**MW-10S**	EPA 9056	762573		
50359090004	**MW-10D**	EPA 9056	762573		
50359090001	**MW-11S**	EPA 3010	762434	EPA 6010	764066
50359090002	**MW-11D**	EPA 3010	762434	EPA 6010	764066
50359090003	**MW-10S**	EPA 3010	762434	EPA 6010	764066
50359090004	**MW-10D**	EPA 3010	762434	EPA 6010	764066
50359090001	**MW-11S**	EPA 3010	763240	EPA 6010	763747
50359090002	**MW-11D**	EPA 3010	763240	EPA 6010	763747
50359090003	**MW-10S**	EPA 3010	763240	EPA 6010	763747
50359090004	**MW-10D**	EPA 3010	763240	EPA 6010	763747
50359090001	**MW-11S**	EPA 200.2	762360	EPA 6020	762608
50359090002	**MW-11D**	EPA 200.2	762360	EPA 6020	762608
50359090003	**MW-10S**	EPA 200.2	762360	EPA 6020	762608
50359090004	**MW-10D**	EPA 200.2	762360	EPA 6020	762608
50359090001	**MW-11S**	EPA 903.1	629717		
50359090002	**MW-11D**	EPA 903.1	629717		
50359090003	**MW-10S**	EPA 903.1	629717		
50359090004	**MW-10D**	EPA 903.1	629717		
50359090001	**MW-11S**	EPA 904.0	629718		
50359090002	**MW-11D**	EPA 904.0	629718		
50359090003	**MW-10S**	EPA 904.0	629718		
50359090004	**MW-10D**	EPA 904.0	629718		
50359090001	**MW-11S**	Total Radium Calculation	633589		
50359090002	**MW-11D**	Total Radium Calculation	633589		
50359090003	**MW-10S**	Total Radium Calculation	633589		
50359090004	**MW-10D**	Total Radium Calculation	633589		
50359090001	**MW-11S**	SM 2320B	762261		
50359090002	**MW-11D**	SM 2320B	762261		
50359090003	**MW-10S**	SM 2320B	762261		
50359090004	**MW-10D**	SM 2320B	762261		
50359090001	**MW-11S**	SM 2540C	762494		
50359090002	**MW-11D**	SM 2540C	762764		
50359090003	**MW-10S**	SM 2540C	762764		
50359090004	**MW-10D**	SM 2540C	762764		
50359090001	**MW-11S**	SM 4500-H+B	763868		
50359090002	**MW-11D**	SM 4500-H+B	763868		
50359090003	**MW-10S**	SM 4500-H+B	763868		
50359090004	**MW-10D**	SM 4500-H+B	763868		
50359090001	**MW-11S**	SM 4500-S2-D	761828		
50359090002	**MW-11D**	SM 4500-S2-D	761828		
50359090003	**MW-10S**	SM 4500-S2-D	761828		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50359090

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359090004	**MW-10D**	SM 4500-S2-D	761828		
50359090001	**MW-11S**	HACH 8146	762234		
50359090002	**MW-11D**	HACH 8146	762234		
50359090003	**MW-10S**	HACH 8146	762234		
50359090004	**MW-10D**	HACH 8146	762234		
50359090001	**MW-11S**	EPA 353.2	761713		
50359090002	**MW-11D**	EPA 353.2	761713		
50359090003	**MW-10S**	EPA 353.2	761713		
50359090004	**MW-10D**	EPA 353.2	761713		
50359090001	**MW-11S**	EPA 365.1	763766	EPA 365.1	764018
50359090002	**MW-11D**	EPA 365.1	763766	EPA 365.1	764018
50359090003	**MW-10S**	EPA 365.1	763767	EPA 365.1	764019
50359090004	**MW-10D**	EPA 365.1	763767	EPA 365.1	764019
50359090001	**MW-11S**	SM 5310C	763086		
50359090002	**MW-11D**	SM 5310C	763086		
50359090003	**MW-10S**	SM 5310C	763086		
50359090004	**MW-10D**	SM 5310C	763086		
50359090001	**MW-11S**	SM 5310C	763583		
50359090002	**MW-11D**	SM 5310C	763583		
50359090003	**MW-10S**	SM 5310C	763583		
50359090004	**MW-10D**	SM 5310C	763583		

Pace

CHAIN-OF-CUSTODY / Analytical Request Do

WO# : 50359090

50359090

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields mus

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pace

Section A	Section B	Section C
Required Client Information:	**Required Project Information:**	**Invoice Information:**
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date:	Project #:	**Pace Profile #: 10498-48**

Regulatory Agency
State / Location
IN

PIRI

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
																		Requested Analysis Filtered (Y/N)											
1	MW-11S	WT		11-8	1445				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		001
2	MW-11D	WT		11-8	1035				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		002
3	MW-10S	WT		11 8	1458				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		003
4	MW-10D	WT		11 8	1138				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		004
5		WT																	x	x	x	x	x	x	x	x	x	x		
6		WT																	x	x	x	x	x	x	x	x	x	x		
7		WT																	x	x	x	x	x	x	x	x	x	x		
8		WT																	x	x	x	x	x	x	x	x	x	x		
9		WT																	x	x	x	x	x	x	x	x	x	x		
10		WT																	x	x	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x	x	x		
12																			x	x	x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA		11-8	1648		11.8	1648				
6020 - Be,Co, As, Se, Sb (5)		11.8	1724		11/8/23	1724	0.9	Y	N	Y
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)										
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed: 11-8-23					

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/08/23 1740 JT

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

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

4. **Cooler Temperature(s):** 0.9 | 0.9 | 0.7 | 0.7 | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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:** Nitrates	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 18:50		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 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 RED 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	1			2	2	1	1	1	1	1					WT	✓	✓		✓
2																												✓	✓		✓
3																												✓	✓		✓
4																												✓	✓		✓
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 30, 2024

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

RE: Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 2023. 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,

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: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359251001	**MW-5D**	Water	11/09/23 13:00	11/09/23 16:05
50359251002	**DUP-1**	Water	11/09/23 08:00	11/09/23 16:05
50359251003	**MW-13S**	Water	11/09/23 12:04	11/09/23 16:05
50359251004	**MW-13D**	Water	11/09/23 13:55	11/09/23 16:05
50359251005	**MW-7S**	Water	11/09/23 11:05	11/09/23 16:05
50359251006	**MW-7D**	Water	11/09/23 12:00	11/09/23 16:05
50359251007	**MW-7D1**	Water	11/09/23 14:05	11/09/23 16:05
50359251008	**DUP-2**	Water	11/09/23 08:00	11/09/23 16:05

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

SAMPLE ANALYTE COUNT

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359251001	**MW-5D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	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	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359251002	**DUP-1**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	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	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359251003	**MW-13S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359251004	**MW-13D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	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	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359251005	**MW-7S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	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	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359251006	**MW-7D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	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	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359251007	**MW-7D1**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	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	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5310C	ATS	1	PASI-I
50359251008	**DUP-2**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	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	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359251001	**MW-5D**					
EPA 9056	Chloride	244	mg/L	2.5	11/21/23 16:32	
EPA 9056	Fluoride	0.64	mg/L	0.10	11/21/23 16:14	
EPA 9056	Sulfate	409	mg/L	2.5	11/21/23 16:32	
EPA 6010	Barium	35.5	ug/L	10.0	11/22/23 12:03	
EPA 6010	Boron	3790	ug/L	100	11/22/23 12:03	
EPA 6010	Calcium	185000	ug/L	1000	11/22/23 12:03	
EPA 6010	Iron	2580	ug/L	100	11/22/23 12:03	
EPA 6010	Lithium	67.7	ug/L	20.0	11/22/23 12:03	
EPA 6010	Magnesium	52800	ug/L	1000	11/22/23 12:03	
EPA 6010	Manganese	301	ug/L	10.0	11/22/23 12:03	
EPA 6010	Molybdenum	151	ug/L	10.0	11/22/23 12:03	
EPA 6010	Potassium	8710	ug/L	1000	11/22/23 12:03	
EPA 6010	Silica	12800	ug/L	450	11/22/23 12:03	N2
EPA 6010	Sodium	133000	ug/L	1000	11/22/23 12:03	
EPA 6010	Iron, Dissolved	1970	ug/L	100	11/20/23 23:40	
EPA 6010	Manganese, Dissolved	296	ug/L	10.0	11/20/23 23:40	
EPA 6010	Molybdenum, Dissolved	158	ug/L	10.0	11/20/23 23:40	
EPA 6020	Arsenic	48.2	ug/L	1.0	11/17/23 17:22	
EPA 903.1	Radium-226	0.000 ± 0.298 (0.481) C:NA T:92%	pCi/L		12/07/23 13:41	
EPA 904.0	Radium-228	0.598 ± 0.418 (0.816) C:85% T:82%	pCi/L		12/04/23 11:49	
Total Radium Calculation	Total Radium	0.598 ± 0.716 (1.30)	pCi/L		12/07/23 16:23	
SM 2320B	Alkalinity, Total as CaCO3	323	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	323	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1240	mg/L	20.0	11/15/23 17:11	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/28/23 13:40	H3
HACH 8146	Iron, Ferrous	2.0	mg/L	0.50	11/10/23 17:41	H3,N2
EPA 353.2	Nitrogen, Nitrate	2.1	mg/L	0.10	11/10/23 01:48	
SM 5310C	Total Organic Carbon	2.5	mg/L	1.0	11/18/23 09:31	
SM 5310C	Dissolved Organic Carbon	3.2	mg/L	2.0	11/22/23 10:46	
50359251002	**DUP-1**					
EPA 9056	Chloride	247	mg/L	2.5	11/21/23 18:04	
EPA 9056	Fluoride	0.64	mg/L	0.10	11/21/23 17:46	
EPA 9056	Sulfate	416	mg/L	2.5	11/21/23 18:04	
EPA 6010	Barium	35.8	ug/L	10.0	11/22/23 12:04	
EPA 6010	Boron	3780	ug/L	100	11/22/23 12:04	
EPA 6010	Calcium	186000	ug/L	1000	11/22/23 12:04	
EPA 6010	Iron	2580	ug/L	100	11/22/23 12:04	
EPA 6010	Lithium	65.7	ug/L	20.0	11/22/23 12:04	
EPA 6010	Magnesium	52900	ug/L	1000	11/22/23 12:04	
EPA 6010	Manganese	301	ug/L	10.0	11/22/23 12:04	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359251002	**DUP-1**					
EPA 6010	Molybdenum	151	ug/L	10.0	11/22/23 12:04	
EPA 6010	Potassium	8750	ug/L	1000	11/22/23 12:04	
EPA 6010	Silica	12800	ug/L	450	11/22/23 12:04	N2
EPA 6010	Sodium	134000	ug/L	1000	11/22/23 12:04	
EPA 6010	Iron, Dissolved	1950	ug/L	100	11/20/23 23:42	
EPA 6010	Manganese, Dissolved	295	ug/L	10.0	11/20/23 23:42	
EPA 6010	Molybdenum, Dissolved	159	ug/L	10.0	11/20/23 23:42	
EPA 6020	Arsenic	49.4	ug/L	1.0	11/17/23 17:25	
EPA 903.1	Radium-226	0.423 ± 0.396 (0.561) C:NA T:87%	pCi/L		12/07/23 13:41	
EPA 904.0	Radium-228	0.656 ± 0.435 (0.835) C:84% T:75%	pCi/L		12/04/23 11:49	
Total Radium Calculation	Total Radium	1.08 ± 0.831 (1.40)	pCi/L		12/07/23 16:23	
SM 2320B	Alkalinity, Total as CaCO3	322	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	322	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1290	mg/L	20.0	11/15/23 17:12	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	11/28/23 13:41	H3
EPA 353.2	Nitrogen, Nitrate	0.25	mg/L	0.10	11/10/23 01:37	
SM 5310C	Total Organic Carbon	2.3	mg/L	1.0	11/18/23 09:53	
SM 5310C	Dissolved Organic Carbon	3.2	mg/L	2.0	11/22/23 11:01	
50359251003	**MW-13S**					
EPA 9056	Chloride	315	mg/L	25.0	11/21/23 19:18	
EPA 9056	Fluoride	0.80	mg/L	0.10	11/21/23 18:41	
EPA 9056	Sulfate	464	mg/L	25.0	11/21/23 19:18	
EPA 6010	Barium	57.2	ug/L	10.0	11/22/23 12:06	
EPA 6010	Boron	8690	ug/L	100	11/22/23 12:06	
EPA 6010	Calcium	204000	ug/L	2000	11/22/23 13:01	
EPA 6010	Iron	1770	ug/L	100	11/22/23 12:06	
EPA 6010	Lithium	57.1	ug/L	20.0	11/22/23 12:06	
EPA 6010	Magnesium	52200	ug/L	1000	11/22/23 12:06	
EPA 6010	Manganese	482	ug/L	10.0	11/22/23 12:06	
EPA 6010	Molybdenum	350	ug/L	10.0	11/22/23 12:06	
EPA 6010	Potassium	12600	ug/L	1000	11/22/23 12:06	
EPA 6010	Silica	14800	ug/L	450	11/22/23 12:06	N2
EPA 6010	Sodium	197000	ug/L	1000	11/22/23 12:06	
EPA 6010	Iron, Dissolved	1360	ug/L	100	11/20/23 23:46	
EPA 6010	Manganese, Dissolved	401	ug/L	10.0	11/20/23 23:46	
EPA 6010	Molybdenum, Dissolved	365	ug/L	10.0	11/20/23 23:46	
EPA 6020	Arsenic	288	ug/L	2.0	11/19/23 16:01	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359251003	**MW-13S**					
EPA 903.1	Radium-226	0.000 ± 0.314 (0.703) C:NA T:93%	pCi/L		12/07/23 13:41	
EPA 904.0	Radium-228	0.889 ± 0.474 (0.863) C:85% T:75%	pCi/L		12/04/23 11:49	
Total Radium Calculation	Total Radium	0.889 ± 0.788 (1.57)	pCi/L		12/07/23 16:23	
SM 2320B	Alkalinity, Total as CaCO3	300	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	300	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1520	mg/L	20.0	11/15/23 17:12	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	11/28/23 13:41	H3
HACH 8146	Iron, Ferrous	1.4	mg/L	0.20	11/10/23 17:41	H3,N2
EPA 365.1	Phosphate as P04	0.45	mg/L	0.15	11/21/23 21:38	
SM 5310C	Dissolved Organic Carbon	6.8	mg/L	4.0	11/22/23 11:12	
50359251004	**MW-13D**					
EPA 9056	Chloride	256	mg/L	25.0	11/21/23 20:13	
EPA 9056	Fluoride	0.61	mg/L	0.10	11/21/23 19:36	
EPA 9056	Sulfate	436	mg/L	25.0	11/21/23 20:13	
EPA 6010	Barium	28.7	ug/L	10.0	11/22/23 12:07	
EPA 6010	Boron	11600	ug/L	100	11/22/23 12:07	
EPA 6010	Calcium	208000	ug/L	2000	11/22/23 13:03	
EPA 6010	Iron	1950	ug/L	100	11/22/23 12:07	
EPA 6010	Lithium	66.8	ug/L	20.0	11/22/23 12:07	
EPA 6010	Magnesium	43700	ug/L	1000	11/22/23 12:07	
EPA 6010	Manganese	181	ug/L	10.0	11/22/23 12:07	
EPA 6010	Molybdenum	338	ug/L	10.0	11/22/23 12:07	
EPA 6010	Potassium	14700	ug/L	1000	11/22/23 12:07	
EPA 6010	Silica	14000	ug/L	450	11/22/23 12:07	N2
EPA 6010	Sodium	167000	ug/L	1000	11/22/23 12:07	
EPA 6010	Iron, Dissolved	2000	ug/L	100	11/20/23 23:47	
EPA 6010	Manganese, Dissolved	177	ug/L	10.0	11/20/23 23:47	
EPA 6010	Molybdenum, Dissolved	347	ug/L	10.0	11/20/23 23:47	
EPA 6020	Arsenic	228	ug/L	2.0	11/19/23 16:04	
EPA 903.1	Radium-226	0.198 ± 0.343 (0.613) C:NA T:87%	pCi/L		12/07/23 13:41	
EPA 904.0	Radium-228	1.51 ± 0.552 (0.822) C:79% T:81%	pCi/L		12/04/23 11:49	
Total Radium Calculation	Total Radium	1.71 ± 0.895 (1.44)	pCi/L		12/07/23 16:23	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359251004	**MW-13D**					
SM 2320B	Alkalinity, Total as CaCO3	242	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1400	mg/L	20.0	11/15/23 17:13	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/28/23 13:42	H3
EPA 365.1	Phosphate as P04	0.33	mg/L	0.15	11/21/23 21:38	
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	2.0	11/22/23 11:23	
50359251005	**MW-7S**					
EPA 9056	Chloride	215	mg/L	25.0	11/21/23 21:45	
EPA 9056	Fluoride	0.58	mg/L	0.10	11/21/23 21:08	
EPA 9056	Sulfate	497	mg/L	25.0	11/21/23 21:45	
EPA 6010	Barium	39.1	ug/L	10.0	11/22/23 12:09	
EPA 6010	Boron	12500	ug/L	100	11/22/23 12:09	
EPA 6010	Calcium	227000	ug/L	2000	11/22/23 13:07	
EPA 6010	Iron	2940	ug/L	100	11/22/23 12:09	
EPA 6010	Lithium	73.5	ug/L	20.0	11/22/23 12:09	
EPA 6010	Magnesium	46000	ug/L	1000	11/22/23 12:09	
EPA 6010	Manganese	409	ug/L	10.0	11/22/23 12:09	
EPA 6010	Molybdenum	457	ug/L	10.0	11/22/23 12:09	
EPA 6010	Potassium	14300	ug/L	1000	11/22/23 12:09	
EPA 6010	Silica	14100	ug/L	450	11/22/23 12:09	N2
EPA 6010	Sodium	154000	ug/L	1000	11/22/23 12:09	
EPA 6010	Iron, Dissolved	3010	ug/L	100	11/20/23 23:49	
EPA 6010	Manganese, Dissolved	402	ug/L	10.0	11/20/23 23:49	
EPA 6010	Molybdenum, Dissolved	463	ug/L	10.0	11/20/23 23:49	
EPA 6020	Arsenic	379	ug/L	4.0	11/19/23 16:07	
EPA 903.1	Radium-226	0.575 ± 0.427 (0.534) C:NA T:92%	pCi/L		12/07/23 13:41	
EPA 904.0	Radium-228	0.686 ± 0.427 (0.804) C:86% T:73%	pCi/L		12/04/23 11:50	
Total Radium Calculation	Total Radium	1.26 ± 0.854 (1.34)	pCi/L		12/07/23 16:23	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1430	mg/L	20.0	11/15/23 17:14	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/28/23 13:42	H3
EPA 365.1	Phosphate as P04	0.80	mg/L	0.15	11/21/23 21:39	
SM 5310C	Dissolved Organic Carbon	4.1	mg/L	2.0	11/22/23 11:34	
50359251006	**MW-7D**					
EPA 9056	Chloride	217	mg/L	2.5	11/21/23 22:21	
EPA 9056	Fluoride	0.48	mg/L	0.10	11/21/23 22:03	
EPA 9056	Sulfate	547	mg/L	25.0	11/21/23 22:40	
EPA 6010	Barium	39.5	ug/L	10.0	11/22/23 12:13	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359251006	**MW-7D**					
EPA 6010	Boron	13700	ug/L	100	11/22/23 12:13	
EPA 6010	Calcium	226000	ug/L	2000	11/22/23 13:09	
EPA 6010	Iron	2310	ug/L	100	11/22/23 12:13	
EPA 6010	Lithium	80.8	ug/L	20.0	11/22/23 12:13	
EPA 6010	Magnesium	43100	ug/L	1000	11/22/23 12:13	
EPA 6010	Manganese	547	ug/L	10.0	11/22/23 12:13	
EPA 6010	Molybdenum	469	ug/L	10.0	11/22/23 12:13	
EPA 6010	Potassium	14500	ug/L	1000	11/22/23 12:13	
EPA 6010	Silica	13400	ug/L	450	11/22/23 12:13	N2
EPA 6010	Sodium	142000	ug/L	1000	11/22/23 12:13	
EPA 6010	Iron, Dissolved	2270	ug/L	100	11/20/23 23:50	
EPA 6010	Manganese, Dissolved	468	ug/L	10.0	11/20/23 23:50	
EPA 6010	Molybdenum, Dissolved	468	ug/L	10.0	11/20/23 23:50	
EPA 6020	Arsenic	438	ug/L	4.0	11/19/23 16:11	
EPA 903.1	Radium-226	0.288 ± 0.566 (1.02) C:NA T:88%	pCi/L		12/07/23 13:41	
EPA 904.0	Radium-228	1.44 ± 0.544 (0.825) C:81% T:75%	pCi/L		12/04/23 11:50	
Total Radium Calculation	Total Radium	1.73 ± 1.11 (1.85)	pCi/L		12/07/23 16:23	
SM 2320B	Alkalinity, Total as CaCO3	247	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	247	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1450	mg/L	20.0	11/15/23 17:14	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/28/23 13:43	H3
EPA 365.1	Phosphate as P04	0.91	mg/L	0.15	11/21/23 21:40	
SM 5310C	Total Organic Carbon	1.9	mg/L	1.0	11/17/23 02:01	
SM 5310C	Dissolved Organic Carbon	3.2	mg/L	1.0	11/21/23 16:28	
50359251007	**MW-7D1**					
EPA 9056	Chloride	193	mg/L	2.5	11/21/23 23:16	
EPA 9056	Fluoride	0.26	mg/L	0.10	11/21/23 22:58	
EPA 9056	Sulfate	527	mg/L	25.0	11/21/23 23:35	
EPA 6010	Barium	71.8	ug/L	10.0	11/22/23 12:15	
EPA 6010	Boron	14400	ug/L	100	11/22/23 12:15	
EPA 6010	Calcium	230000	ug/L	2000	11/22/23 13:10	
EPA 6010	Iron	2590	ug/L	100	11/22/23 12:15	
EPA 6010	Lithium	109	ug/L	20.0	11/22/23 12:15	
EPA 6010	Magnesium	43200	ug/L	1000	11/22/23 12:15	
EPA 6010	Manganese	357	ug/L	10.0	11/22/23 12:15	
EPA 6010	Molybdenum	532	ug/L	10.0	11/22/23 12:15	
EPA 6010	Potassium	15200	ug/L	1000	11/22/23 12:15	
EPA 6010	Silica	10800	ug/L	450	11/22/23 12:15	N2
EPA 6010	Sodium	157000	ug/L	1000	11/22/23 12:15	
EPA 6010	Iron, Dissolved	2560	ug/L	100	11/20/23 23:51	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359251007	**MW-7D1**					
EPA 6010	Manganese, Dissolved	343	ug/L	10.0	11/20/23 23:51	
EPA 6010	Molybdenum, Dissolved	532	ug/L	10.0	11/20/23 23:51	
EPA 6020	Arsenic	417	ug/L	4.0	11/19/23 16:14	
EPA 903.1	Radium-226	0.864 ± 0.637 (0.914) C:NA T:92%	pCi/L		12/07/23 13:41	
EPA 904.0	Radium-228	0.425 ± 0.439 (0.913) C:84% T:74%	pCi/L		12/04/23 11:50	
Total Radium Calculation	Total Radium	1.29 ± 1.08 (1.83)	pCi/L		12/07/23 16:23	
SM 2320B	Alkalinity, Total as CaCO3	226	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	226	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1450	mg/L	20.0	11/15/23 17:14	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	11/28/23 13:43	H3
HACH 8146	Iron, Ferrous	1.8	mg/L	0.20	11/10/23 17:44	H3,N2
EPA 365.1	Phosphate as P04	1.7	mg/L	0.15	11/21/23 21:41	
SM 5310C	Total Organic Carbon	2.6	mg/L	1.0	11/18/23 10:57	
SM 5310C	Dissolved Organic Carbon	4.6	mg/L	1.0	11/21/23 16:59	
50359251008	**DUP-2**					
EPA 9056	Chloride	186	mg/L	2.5	11/22/23 00:48	
EPA 9056	Fluoride	0.26	mg/L	0.10	11/22/23 00:30	
EPA 9056	Sulfate	669	mg/L	25.0	11/23/23 08:55	
EPA 6010	Barium	72.3	ug/L	10.0	11/22/23 12:16	
EPA 6010	Boron	14500	ug/L	100	11/22/23 12:16	
EPA 6010	Calcium	227000	ug/L	2000	11/22/23 13:12	
EPA 6010	Iron	2600	ug/L	100	11/22/23 12:16	
EPA 6010	Lithium	108	ug/L	20.0	11/22/23 12:16	
EPA 6010	Magnesium	43400	ug/L	1000	11/22/23 12:16	
EPA 6010	Manganese	357	ug/L	10.0	11/22/23 12:16	
EPA 6010	Molybdenum	532	ug/L	10.0	11/22/23 12:16	
EPA 6010	Potassium	15300	ug/L	1000	11/22/23 12:16	
EPA 6010	Silica	10800	ug/L	450	11/22/23 12:16	N2
EPA 6010	Sodium	158000	ug/L	1000	11/22/23 12:16	
EPA 6010	Iron, Dissolved	2600	ug/L	100	11/20/23 23:53	
EPA 6010	Manganese, Dissolved	347	ug/L	10.0	11/20/23 23:53	
EPA 6010	Molybdenum, Dissolved	541	ug/L	10.0	11/20/23 23:53	
EPA 6020	Arsenic	411	ug/L	4.0	11/19/23 16:17	
EPA 903.1	Radium-226	1.31 ± 0.719 (0.858) C:NA T:84%	pCi/L		12/07/23 13:54	
EPA 904.0	Radium-228	0.943 ± 0.461 (0.804) C:82% T:78%	pCi/L		12/04/23 11:50	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359251008	**DUP-2**					
Total Radium Calculation	Total Radium	2.25 ± 1.18 (1.66)	pCi/L		12/07/23 16:23	
SM 2320B	Alkalinity, Total as CaCO3	226	mg/L	10.0	11/14/23 05:27	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	226	mg/L	10.0	11/14/23 05:27	
SM 2540C	Total Dissolved Solids	1450	mg/L	20.0	11/15/23 17:14	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	11/28/23 13:43	H3
EPA 365.1	Phosphate as P04	1.8	mg/L	0.15	11/21/23 21:41	
SM 5310C	Total Organic Carbon	2.5	mg/L	1.0	11/18/23 11:09	
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	1.0	11/21/23 17:11	

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-5D **Lab ID: 50359251001** Collected: 11/09/23 13:00 Received: 11/09/23 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	**244**	mg/L	2.5	0.67	10		11/21/23 16:32	16887-00-6	
Fluoride	**0.64**	mg/L	0.10	0.017	1		11/21/23 16:14	16984-48-8	
Sulfate	**409**	mg/L	2.5	1.9	10		11/21/23 16:32	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:03	7429-90-5	
Barium	**35.5**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:03	7440-39-3	
Boron	**3790**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:03	7440-42-8	
Calcium	**185000**	ug/L	1000	56.7	1	11/16/23 08:07	11/22/23 12:03	7440-70-2	
Iron	**2580**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:03	7439-89-6	
Lithium	**67.7**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:03	7439-93-2	
Magnesium	**52800**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:03	7439-95-4	
Manganese	**301**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:03	7439-96-5	
Molybdenum	**151**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:03	7439-98-7	
Potassium	**8710**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:03	7440-09-7	
Silica	**12800**	ug/L	450		1	11/16/23 08:07	11/22/23 12:03	7631-86-9	N2
Sodium	**133000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:03	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1970**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:40	7439-89-6	
Manganese, Dissolved	**296**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:40	7439-96-5	
Molybdenum, Dissolved	**158**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 23:40	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	0.080	1	11/16/23 07:20	11/17/23 17:22	7440-36-0	
Arsenic	**48.2**	ug/L	1.0	0.12	1	11/16/23 07:20	11/17/23 17:22	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:22	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		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**323**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1240**	mg/L	20.0	20.0	1		11/15/23 17:11		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-5D **Lab ID: 50359251001** Collected: 11/09/23 13:00 Received: 11/09/23 16:05 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	**7.2**	Std. Units	0.10	0.10	1		11/28/23 13:40		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**2.0**	mg/L	0.50	0.088	2.5		11/10/23 17:41	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.1**	mg/L	0.10	0.011	1		11/10/23 01:48	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 01:48	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:34		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.5**	mg/L	1.0	0.24	1		11/18/23 09:31	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.2**	mg/L	2.0	0.47	2		11/22/23 10:46		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: DUP-1 **Lab ID: 50359251002** Collected: 11/09/23 08:00 Received: 11/09/23 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	**247**	mg/L	2.5	0.67	10		11/21/23 18:04	16887-00-6	
Fluoride	**0.64**	mg/L	0.10	0.017	1		11/21/23 17:46	16984-48-8	
Sulfate	**416**	mg/L	2.5	1.9	10		11/21/23 18:04	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:04	7429-90-5	
Barium	**35.8**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:04	7440-39-3	
Boron	**3780**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:04	7440-42-8	
Calcium	**186000**	ug/L	1000	56.7	1	11/16/23 08:07	11/22/23 12:04	7440-70-2	
Iron	**2580**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:04	7439-89-6	
Lithium	**65.7**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:04	7439-93-2	
Magnesium	**52900**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:04	7439-95-4	
Manganese	**301**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:04	7439-96-5	
Molybdenum	**151**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:04	7439-98-7	
Potassium	**8750**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:04	7440-09-7	
Silica	**12800**	ug/L	450		1	11/16/23 08:07	11/22/23 12:04	7631-86-9	N2
Sodium	**134000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:04	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1950**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:42	7439-89-6	
Manganese, Dissolved	**295**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:42	7439-96-5	
Molybdenum, Dissolved	**159**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 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	0.080	1	11/16/23 07:20	11/17/23 17:25	7440-36-0	
Arsenic	**49.4**	ug/L	1.0	0.12	1	11/16/23 07:20	11/17/23 17:25	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:25	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:25	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:25	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**322**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**322**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1290**	mg/L	20.0	20.0	1		11/15/23 17:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: DUP-1 **Lab ID: 50359251002** Collected: 11/09/23 08:00 Received: 11/09/23 16:05 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	**7.3**	Std. Units	0.10	0.10	1		11/28/23 13:41		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 17:26	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.25**	mg/L	0.10	0.011	1		11/10/23 01:37	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 01:37	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:37		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.3**	mg/L	1.0	0.24	1		11/18/23 09:53	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.2**	mg/L	2.0	0.47	2		11/22/23 11:01		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-13S **Lab ID: 50359251003** Collected: 11/09/23 12:04 Received: 11/09/23 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	**315**	mg/L	25.0	6.7	100		11/21/23 19:18	16887-00-6	
Fluoride	**0.80**	mg/L	0.10	0.017	1		11/21/23 18:41	16984-48-8	
Sulfate	**464**	mg/L	25.0	19.0	100		11/21/23 19:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:06	7429-90-5	
Barium	**57.2**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:06	7440-39-3	
Boron	**8690**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:06	7440-42-8	
Calcium	**204000**	ug/L	2000	113	2	11/16/23 08:07	11/22/23 13:01	7440-70-2	
Iron	**1770**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:06	7439-89-6	
Lithium	**57.1**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:06	7439-93-2	
Magnesium	**52200**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:06	7439-95-4	
Manganese	**482**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:06	7439-96-5	
Molybdenum	**350**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:06	7439-98-7	
Potassium	**12600**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:06	7440-09-7	
Silica	**14800**	ug/L	450		1	11/16/23 08:07	11/22/23 12:06	7631-86-9	N2
Sodium	**197000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:06	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1360**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:46	7439-89-6	
Manganese, Dissolved	**401**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:46	7439-96-5	
Molybdenum, Dissolved	**365**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 23:46	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	0.080	1	11/16/23 07:20	11/17/23 17:29	7440-36-0	
Arsenic	**288**	ug/L	2.0	0.24	2	11/16/23 07:20	11/19/23 16:01	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:29	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:29	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:29	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		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**300**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1520**	mg/L	20.0	20.0	1		11/15/23 17:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-13S **Lab ID: 50359251003** Collected: 11/09/23 12:04 Received: 11/09/23 16:05 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	**7.3**	Std. Units	0.10	0.10	1		11/28/23 13:41		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.4**	mg/L	0.20	0.035	1		11/10/23 17:41	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/10/23 01:46	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 01:46	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.45**	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:38		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/17/23 09:43	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**6.8**	mg/L	4.0	0.94	4		11/22/23 11:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-13D **Lab ID: 50359251004** Collected: 11/09/23 13:55 Received: 11/09/23 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	**256**	mg/L	25.0	6.7	100		11/21/23 20:13	16887-00-6	
Fluoride	**0.61**	mg/L	0.10	0.017	1		11/21/23 19:36	16984-48-8	
Sulfate	**436**	mg/L	25.0	19.0	100		11/21/23 20:13	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:07	7429-90-5	
Barium	**28.7**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:07	7440-39-3	
Boron	**11600**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:07	7440-42-8	
Calcium	**208000**	ug/L	2000	113	2	11/16/23 08:07	11/22/23 13:03	7440-70-2	
Iron	**1950**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:07	7439-89-6	
Lithium	**66.8**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:07	7439-93-2	
Magnesium	**43700**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:07	7439-95-4	
Manganese	**181**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:07	7439-96-5	
Molybdenum	**338**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:07	7439-98-7	
Potassium	**14700**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:07	7440-09-7	
Silica	**14000**	ug/L	450		1	11/16/23 08:07	11/22/23 12:07	7631-86-9	N2
Sodium	**167000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:07	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2000**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:47	7439-89-6	
Manganese, Dissolved	**177**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:47	7439-96-5	
Molybdenum, Dissolved	**347**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 23:47	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	0.080	1	11/16/23 07:20	11/17/23 17:32	7440-36-0	
Arsenic	**228**	ug/L	2.0	0.24	2	11/16/23 07:20	11/19/23 16:04	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:32	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:32	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		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**242**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1400**	mg/L	20.0	20.0	1		11/15/23 17:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-13D **Lab ID: 50359251004** Collected: 11/09/23 13:55 Received: 11/09/23 16:05 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	**7.4**	Std. Units	0.10	0.10	1		11/28/23 13:42		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 17:43	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/10/23 01:50	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 01:50	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.33**	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:38		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/17/23 10:02	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	2.0	0.47	2		11/22/23 11:23		

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7S **Lab ID: 50359251005** Collected: 11/09/23 11:05 Received: 11/09/23 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	**215**	mg/L	25.0	6.7	100		11/21/23 21:45	16887-00-6	
Fluoride	**0.58**	mg/L	0.10	0.017	1		11/21/23 21:08	16984-48-8	
Sulfate	**497**	mg/L	25.0	19.0	100		11/21/23 21:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:09	7429-90-5	
Barium	**39.1**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:09	7440-39-3	
Boron	**12500**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:09	7440-42-8	
Calcium	**227000**	ug/L	2000	113	2	11/16/23 08:07	11/22/23 13:07	7440-70-2	
Iron	**2940**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:09	7439-89-6	
Lithium	**73.5**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:09	7439-93-2	
Magnesium	**46000**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:09	7439-95-4	
Manganese	**409**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:09	7439-96-5	
Molybdenum	**457**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:09	7439-98-7	
Potassium	**14300**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:09	7440-09-7	
Silica	**14100**	ug/L	450		1	11/16/23 08:07	11/22/23 12:09	7631-86-9	N2
Sodium	**154000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3010**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:49	7439-89-6	
Manganese, Dissolved	**402**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:49	7439-96-5	
Molybdenum, Dissolved	**463**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 23:49	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	0.080	1	11/16/23 07:20	11/17/23 17:42	7440-36-0	
Arsenic	**379**	ug/L	4.0	0.48	4	11/16/23 07:20	11/19/23 16:07	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:42	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:42	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**258**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1430**	mg/L	20.0	20.0	1		11/15/23 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7S **Lab ID: 50359251005** Collected: 11/09/23 11:05 Received: 11/09/23 16:05 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	**7.4**	Std. Units	0.10	0.10	1		11/28/23 13:42		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 17:40	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/10/23 01:42	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 01:42	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.80**	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:39		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/17/23 10:22	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.1**	mg/L	2.0	0.47	2		11/22/23 11:34		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7D **Lab ID: 50359251006** Collected: 11/09/23 12:00 Received: 11/09/23 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	**217**	mg/L	2.5	0.67	10		11/21/23 22:21	16887-00-6	
Fluoride	**0.48**	mg/L	0.10	0.017	1		11/21/23 22:03	16984-48-8	
Sulfate	**547**	mg/L	25.0	19.0	100		11/21/23 22:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:13	7429-90-5	
Barium	**39.5**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:13	7440-39-3	
Boron	**13700**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:13	7440-42-8	
Calcium	**226000**	ug/L	2000	113	2	11/16/23 08:07	11/22/23 13:09	7440-70-2	
Iron	**2310**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:13	7439-89-6	
Lithium	**80.8**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:13	7439-93-2	
Magnesium	**43100**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:13	7439-95-4	
Manganese	**547**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:13	7439-96-5	
Molybdenum	**469**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:13	7439-98-7	
Potassium	**14500**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:13	7440-09-7	
Silica	**13400**	ug/L	450		1	11/16/23 08:07	11/22/23 12:13	7631-86-9	N2
Sodium	**142000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:13	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2270**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:50	7439-89-6	
Manganese, Dissolved	**468**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:50	7439-96-5	
Molybdenum, Dissolved	**468**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 23:50	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	0.080	1	11/16/23 07:20	11/17/23 17:46	7440-36-0	
Arsenic	**438**	ug/L	4.0	0.48	4	11/16/23 07:20	11/19/23 16:11	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:46	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:46	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:46	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		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**247**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1450**	mg/L	20.0	20.0	1		11/15/23 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7D **Lab ID: 50359251006** Collected: 11/09/23 12:00 Received: 11/09/23 16:05 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	**7.4**	Std. Units	0.10	0.10	1		11/28/23 13:43		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 17:40	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/10/23 01:44	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 01:44	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.91**	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:40		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/17/23 02:01	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.2**	mg/L	1.0	0.24	1		11/21/23 16:28		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7D1 **Lab ID: 50359251007** Collected: 11/09/23 14:05 Received: 11/09/23 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	**193**	mg/L	2.5	0.67	10		11/21/23 23:16	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		11/21/23 22:58	16984-48-8	
Sulfate	**527**	mg/L	25.0	19.0	100		11/21/23 23:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:15	7429-90-5	
Barium	**71.8**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:15	7440-39-3	
Boron	**14400**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:15	7440-42-8	
Calcium	**230000**	ug/L	2000	113	2	11/16/23 08:07	11/22/23 13:10	7440-70-2	
Iron	**2590**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:15	7439-89-6	
Lithium	**109**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:15	7439-93-2	
Magnesium	**43200**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:15	7439-95-4	
Manganese	**357**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:15	7439-96-5	
Molybdenum	**532**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:15	7439-98-7	
Potassium	**15200**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:15	7440-09-7	
Silica	**10800**	ug/L	450		1	11/16/23 08:07	11/22/23 12:15	7631-86-9	N2
Sodium	**157000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:15	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2560**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:51	7439-89-6	
Manganese, Dissolved	**343**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:51	7439-96-5	
Molybdenum, Dissolved	**532**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 23:51	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	0.080	1	11/16/23 07:20	11/17/23 17:49	7440-36-0	
Arsenic	**417**	ug/L	4.0	0.48	4	11/16/23 07:20	11/19/23 16:14	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:49	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:49	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:49	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		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**226**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1450**	mg/L	20.0	20.0	1		11/15/23 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7D1 **Lab ID: 50359251007** Collected: 11/09/23 14:05 Received: 11/09/23 16:05 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	**7.5**	Std. Units	0.10	0.10	1		11/28/23 13:43		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.8**	mg/L	0.20	0.035	1		11/10/23 17:44	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/10/23 02:44	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 02:44	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**1.7**	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:41		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.6**	mg/L	1.0	0.24	1		11/18/23 10:57	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.6**	mg/L	1.0	0.24	1		11/21/23 16:59		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: DUP-2 **Lab ID: 50359251008** Collected: 11/09/23 08:00 Received: 11/09/23 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	**186**	mg/L	2.5	0.67	10		11/22/23 00:48	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		11/22/23 00:30	16984-48-8	
Sulfate	**669**	mg/L	25.0	19.0	100		11/23/23 08:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/16/23 08:07	11/22/23 12:16	7429-90-5	
Barium	**72.3**	ug/L	10.0	1.6	1	11/16/23 08:07	11/22/23 12:16	7440-39-3	
Boron	**14500**	ug/L	100	11.4	1	11/16/23 08:07	11/22/23 12:16	7440-42-8	
Calcium	**227000**	ug/L	2000	113	2	11/16/23 08:07	11/22/23 13:12	7440-70-2	
Iron	**2600**	ug/L	100	18.1	1	11/16/23 08:07	11/22/23 12:16	7439-89-6	
Lithium	**108**	ug/L	20.0	5.1	1	11/16/23 08:07	11/22/23 12:16	7439-93-2	
Magnesium	**43400**	ug/L	1000	32.8	1	11/16/23 08:07	11/22/23 12:16	7439-95-4	
Manganese	**357**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:16	7439-96-5	
Molybdenum	**532**	ug/L	10.0	1.1	1	11/16/23 08:07	11/22/23 12:16	7439-98-7	
Potassium	**15300**	ug/L	1000	120	1	11/16/23 08:07	11/22/23 12:16	7440-09-7	
Silica	**10800**	ug/L	450		1	11/16/23 08:07	11/22/23 12:16	7631-86-9	N2
Sodium	**158000**	ug/L	1000	48.2	1	11/16/23 08:07	11/22/23 12:16	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2600**	ug/L	100	30.0	1	11/20/23 08:20	11/20/23 23:53	7439-89-6	
Manganese, Dissolved	**347**	ug/L	10.0	1.8	1	11/20/23 08:20	11/20/23 23:53	7439-96-5	
Molybdenum, Dissolved	**541**	ug/L	10.0	0.78	1	11/20/23 08:20	11/20/23 23:53	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	0.080	1	11/16/23 07:20	11/17/23 17:52	7440-36-0	
Arsenic	**411**	ug/L	4.0	0.48	4	11/16/23 07:20	11/19/23 16:17	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/16/23 07:20	11/17/23 17:52	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	11/16/23 07:20	11/17/23 17:52	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	11/16/23 07:20	11/17/23 17:52	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		11/14/23 05:27		
Alkalinity,Bicarbonate (CaCO3)	**226**	mg/L	10.0	10.0	1		11/14/23 05:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/14/23 05:27		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1450**	mg/L	20.0	20.0	1		11/15/23 17:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: DUP-2 **Lab ID: 50359251008** Collected: 11/09/23 08:00 Received: 11/09/23 16:05 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	**7.6**	Std. Units	0.10	0.10	1		11/28/23 13:43		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 11:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/10/23 17:27	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/10/23 02:42	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/10/23 02:42	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**1.8**	mg/L	0.15	0.15	1	11/20/23 11:30	11/21/23 21:41		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.5**	mg/L	1.0	0.24	1		11/18/23 11:09	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	1.0	0.24	1		11/21/23 17:11		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 763647
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3500555 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/21/23 03:11	
Fluoride	mg/L	ND	0.10	0.017	11/21/23 03:11	
Sulfate	mg/L	ND	0.25	0.19	11/21/23 03:11	

LABORATORY CONTROL SAMPLE: 3500556

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	0.95	95	80-120	
Sulfate	mg/L	5	4.7	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3500557 3500558

Parameter	Units	50358219001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.9	2.5	2.5	5.3	5.3	94	93	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.0	1.0	97	97	80-120	0	15	
Sulfate	mg/L	68.6	50	50	115	114	92	90	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 762710
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3495944 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	79.3	11/22/23 11:43	
Barium	ug/L	ND	10.0	1.6	11/22/23 11:43	
Boron	ug/L	ND	100	11.4	11/22/23 11:43	
Calcium	ug/L	ND	1000	56.7	11/22/23 11:43	
Iron	ug/L	ND	100	18.1	11/22/23 11:43	
Lithium	ug/L	ND	20.0	5.1	11/22/23 11:43	
Magnesium	ug/L	ND	1000	32.8	11/22/23 11:43	
Manganese	ug/L	ND	10.0	1.1	11/22/23 11:43	
Molybdenum	ug/L	ND	10.0	1.1	11/22/23 11:43	
Potassium	ug/L	ND	1000	120	11/22/23 11:43	
Silica	ug/L	ND	450		11/22/23 11:43	N2
Sodium	ug/L	ND	1000	48.2	11/22/23 11:43	

LABORATORY CONTROL SAMPLE: 3495945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9700	97	80-120	
Barium	ug/L	1000	981	98	80-120	
Boron	ug/L	1000	950	95	80-120	
Calcium	ug/L	10000	9810	98	80-120	
Iron	ug/L	10000	9740	97	80-120	
Lithium	ug/L	1000	1010	101	80-120	
Magnesium	ug/L	10000	9530	95	80-120	
Manganese	ug/L	1000	972	97	80-120	
Molybdenum	ug/L	1000	992	99	80-120	
Potassium	ug/L	10000	9460	95	80-120	
Silica	ug/L	10700	10400	98	80-120	N2
Sodium	ug/L	10000	9640	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495946 3495947

Parameter	Units	50358479004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9360	9440	93	94	75-125	1	20	
Barium	ug/L	0.15 mg/L	1000	1000	1100	1120	94	96	75-125	2	20	
Boron	ug/L	ND	1000	1000	1030	1050	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495946 3495947

Parameter	Units	50358479004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	119 mg/L	10000	10000	123000	126000	38	64	75-125	2	20	P6
Iron	ug/L	2.0 mg/L	10000	10000	11300	11500	93	95	75-125	1	20	
Lithium	ug/L	ND	1000	1000	986	996	98	99	75-125	1	20	
Magnesium	ug/L	40.2 mg/L	10000	10000	47600	48400	73	82	75-125	2	20	P6
Manganese	ug/L	0.42 mg/L	1000	1000	1330	1350	91	94	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	980	996	98	99	75-125	2	20	
Potassium	ug/L	1.5 mg/L	10000	10000	10600	10800	92	94	75-125	2	20	
Silica	ug/L	14.2 mg/L	10700	10700	23900	24400	91	96	75-125	2	20	N2
Sodium	ug/L	10.2 mg/L	10000	10000	19100	19400	89	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 763251
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3498388 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/20/23 23:34	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/20/23 23:34	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/20/23 23:34	

LABORATORY CONTROL SAMPLE: 3498389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9740	97	80-120	
Manganese, Dissolved	ug/L	1000	934	93	80-120	
Molybdenum, Dissolved	ug/L	1000	981	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498390 3498391

Parameter	Units	50359369004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	ND	10000	10000	9630	9640	96	96	75-125	0	20	
Manganese, Dissolved	ug/L	1470	1000	1000	2330	2350	86	88	75-125	1	20	
Molybdenum, Dissolved	ug/L	64.8	1000	1000	1070	1070	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 763184
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3497937 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.080	11/17/23 04:53	
Arsenic	ug/L	ND	1.0	0.12	11/17/23 04:53	
Beryllium	ug/L	ND	0.20	0.026	11/17/23 04:53	
Cobalt	ug/L	ND	1.0	0.071	11/17/23 04:53	
Selenium	ug/L	ND	1.0	0.19	11/17/23 04:53	

LABORATORY CONTROL SAMPLE: 3497938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.6	104	80-120	
Arsenic	ug/L	40	38.1	95	80-120	
Beryllium	ug/L	40	39.1	98	80-120	
Cobalt	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	39.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497939 3497940

Parameter	Units	50359265014 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	41.1	42.1	103	105	75-125	3	20	
Arsenic	ug/L	4.4	40	40	43.5	43.1	98	97	75-125	1	20	
Beryllium	ug/L	ND	40	40	38.7	39.1	97	98	75-125	1	20	
Cobalt	ug/L	3.4	40	40	41.8	42.6	96	98	75-125	2	20	
Selenium	ug/L	0.52J	40	40	39.5	39.0	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 762687
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3495867 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/14/23 05:27	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/14/23 05:27	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/14/23 05:27	

LABORATORY CONTROL SAMPLE: 3495868

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: 3495869

Parameter	Units	50359145001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	665	680	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	665	680	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3495870

Parameter	Units	50359251001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	323	329	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	323	329	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 763068 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3497353 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/15/23 17:10	

LABORATORY CONTROL SAMPLE: 3497354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	268	89	80-120	

SAMPLE DUPLICATE: 3497355

Parameter	Units	50359248001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1780	1580	12	10	R1

SAMPLE DUPLICATE: 3497356

Parameter	Units	50359253005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	278	258	7	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 765027
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: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

SAMPLE DUPLICATE: 3506024

Parameter	Units	50358219001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	2	H3

SAMPLE DUPLICATE: 3506025

Parameter	Units	50359253002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 762750 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3496086 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/14/23 11:56	

LABORATORY CONTROL SAMPLE: 3496087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	103	90-110	

MATRIX SPIKE SAMPLE: 3496088

Parameter	Units	50359251001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.27	55	90-110	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3496089 3496090

Parameter	Units	50359253005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.52	103	100	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 762238 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3493993 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/10/23 17:23	H3,N2

LABORATORY CONTROL SAMPLE: 3493994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	103	90-110	H3,N2

MATRIX SPIKE SAMPLE: 3493995

Parameter	Units	50359251004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.0	101	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3493996 3493997

Parameter	Units	50359369004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.0	107	105	90-110	2	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 762010
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: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006

METHOD BLANK: 3492953 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/10/23 00:58	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/10/23 00:58	

LABORATORY CONTROL SAMPLE: 3492954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3492955 3492956

Parameter	Units	50359167001 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	102	101	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.0	1.0	103	104	90-110	0	20	

MATRIX SPIKE SAMPLE: 3492981

Parameter	Units	50359160001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2.7	1	3.5	86	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 762015
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: 50359251007, 50359251008

METHOD BLANK: 3492974 Matrix: Water
Associated Lab Samples: 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/10/23 01:52	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/10/23 01:52	

LABORATORY CONTROL SAMPLE: 3492975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	0.99	99	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3492976 3492977

Parameter	Units	50359107001 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	
Nitrogen, Nitrite	mg/L	ND	1	1	1.1	1.1	106	106	90-110	0	20	

MATRIX SPIKE SAMPLE: 3492978

Parameter	Units	50359103006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	100	90-110	
Nitrogen, Nitrite	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 763908
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3501867 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/21/23 21:32	

LABORATORY CONTROL SAMPLE: 3501868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3501869 3501870

Parameter	Units	50359253005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	1.0			2.7	2.7				2		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3501871 3501872

Parameter	Units	50359289001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.7	1.7				1		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 763086 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251003, 50359251004, 50359251005, 50359251006

METHOD BLANK: 3497484 Matrix: Water
Associated Lab Samples: 50359251003, 50359251004, 50359251005, 50359251006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/16/23 15:08	

LABORATORY CONTROL SAMPLE: 3497485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3497486 3497487

Parameter	Units	50359167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.6	10	10	12.4	12.4	98	98	80-120	0	20	

MATRIX SPIKE SAMPLE: 3497488

Parameter	Units	50359167002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	ND	10	9.8	96	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 763573 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251007, 50359251008

METHOD BLANK: 3500128 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/18/23 05:11	

LABORATORY CONTROL SAMPLE: 3500129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3500130 3500131

Parameter	Units	50359248001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.8J	10	10	12.2	11.7	94	90	80-120	4	20	

MATRIX SPIKE SAMPLE: 3500132

Parameter	Units	50359248007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	72.9	80	157	105	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

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

QUALITY CONTROL DATA

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 764233
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3502995 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/21/23 14:35	

LABORATORY CONTROL SAMPLE: 3502996

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: 3502997 3502998

Parameter	Units	50359253005 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	2.3	10	10	11.9	12.0	95	97	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503002 3503003

Parameter	Units	50359369004 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	1.8	10	10	10.8	11.2	90	93	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-5D **Lab ID: 50359251001** Collected: 11/09/23 13:00 Received: 11/09/23 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	**0.000 ± 0.298 (0.481) C:NA T:92%**	pCi/L	12/07/23 13:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.598 ± 0.418 (0.816) C:85% T:82%**	pCi/L	12/04/23 11:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.598 ± 0.716 (1.30)**	pCi/L	12/07/23 16:23	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: DUP-1 **Lab ID: 50359251002** Collected: 11/09/23 08:00 Received: 11/09/23 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	**0.423 ± 0.396 (0.561) C:NA T:87%**	pCi/L	12/07/23 13:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.656 ± 0.435 (0.835) C:84% T:75%**	pCi/L	12/04/23 11:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.08 ± 0.831 (1.40)**	pCi/L	12/07/23 16:23	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-13S **Lab ID: 50359251003** Collected: 11/09/23 12:04 Received: 11/09/23 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	**0.000 ± 0.314 (0.703) C:NA T:93%**	pCi/L	12/07/23 13:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.889 ± 0.474 (0.863) C:85% T:75%**	pCi/L	12/04/23 11:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.889 ± 0.788 (1.57)**	pCi/L	12/07/23 16:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-13D **Lab ID: 50359251004** Collected: 11/09/23 13:55 Received: 11/09/23 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	**0.198 ± 0.343 (0.613) C:NA T:87%**	pCi/L	12/07/23 13:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.51 ± 0.552 (0.822) C:79% T:81%**	pCi/L	12/04/23 11:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.71 ± 0.895 (1.44)**	pCi/L	12/07/23 16:23	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7S **Lab ID: 50359251005** Collected: 11/09/23 11:05 Received: 11/09/23 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	**0.575 ± 0.427 (0.534) C:NA T:92%**	pCi/L	12/07/23 13:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.686 ± 0.427 (0.804) C:86% T:73%**	pCi/L	12/04/23 11:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.26 ± 0.854 (1.34)**	pCi/L	12/07/23 16:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7D **Lab ID: 50359251006** Collected: 11/09/23 12:00 Received: 11/09/23 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	**0.288 ± 0.566 (1.02) C:NA T:88%**	pCi/L	12/07/23 13:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.44 ± 0.544 (0.825) C:81% T:75%**	pCi/L	12/04/23 11:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.73 ± 1.11 (1.85)**	pCi/L	12/07/23 16:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: MW-7D1 **Lab ID: 50359251007** Collected: 11/09/23 14:05 Received: 11/09/23 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	**0.864 ± 0.637 (0.914) C:NA T:92%**	pCi/L	12/07/23 13:41	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.425 ± 0.439 (0.913) C:84% T:74%**	pCi/L	12/04/23 11:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.29 ± 1.08 (1.83)**	pCi/L	12/07/23 16:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Sample: DUP-2 **Lab ID: 50359251008** Collected: 11/09/23 08:00 Received: 11/09/23 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	**1.31 ± 0.719 (0.858) C:NA T:84%**	pCi/L	12/07/23 13:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.943 ± 0.461 (0.804) C:82% T:78%**	pCi/L	12/04/23 11:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.25 ± 1.18 (1.66)**	pCi/L	12/07/23 16:23	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 630812
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: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3075667 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.271 ± 0.332 (0.703) C:87% T:83%	pCi/L	12/04/23 11:49	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

QC Batch: 630811
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: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

METHOD BLANK: 3075665 Matrix: Water
Associated Lab Samples: 50359251001, 50359251002, 50359251003, 50359251004, 50359251005, 50359251006, 50359251007, 50359251008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.399 ± 0.292 (0.326) C:NA T:90%	pCi/L	12/07/23 13:41	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359251001	**MW-5D**	EPA 9056	763647		
50359251002	**DUP-1**	EPA 9056	763647		
50359251003	**MW-13S**	EPA 9056	763647		
50359251004	**MW-13D**	EPA 9056	763647		
50359251005	**MW-7S**	EPA 9056	763647		
50359251006	**MW-7D**	EPA 9056	763647		
50359251007	**MW-7D1**	EPA 9056	763647		
50359251008	**DUP-2**	EPA 9056	763647		
50359251001	**MW-5D**	EPA 3010	762710	EPA 6010	764536
50359251002	**DUP-1**	EPA 3010	762710	EPA 6010	764536
50359251003	**MW-13S**	EPA 3010	762710	EPA 6010	764536
50359251004	**MW-13D**	EPA 3010	762710	EPA 6010	764536
50359251005	**MW-7S**	EPA 3010	762710	EPA 6010	764536
50359251006	**MW-7D**	EPA 3010	762710	EPA 6010	764536
50359251007	**MW-7D1**	EPA 3010	762710	EPA 6010	764536
50359251008	**DUP-2**	EPA 3010	762710	EPA 6010	764536
50359251001	**MW-5D**	EPA 3010	763251	EPA 6010	764131
50359251002	**DUP-1**	EPA 3010	763251	EPA 6010	764131
50359251003	**MW-13S**	EPA 3010	763251	EPA 6010	764131
50359251004	**MW-13D**	EPA 3010	763251	EPA 6010	764131
50359251005	**MW-7S**	EPA 3010	763251	EPA 6010	764131
50359251006	**MW-7D**	EPA 3010	763251	EPA 6010	764131
50359251007	**MW-7D1**	EPA 3010	763251	EPA 6010	764131
50359251008	**DUP-2**	EPA 3010	763251	EPA 6010	764131
50359251001	**MW-5D**	EPA 200.2	763184	EPA 6020	763450
50359251002	**DUP-1**	EPA 200.2	763184	EPA 6020	763450
50359251003	**MW-13S**	EPA 200.2	763184	EPA 6020	763450
50359251004	**MW-13D**	EPA 200.2	763184	EPA 6020	763450
50359251005	**MW-7S**	EPA 200.2	763184	EPA 6020	763450
50359251006	**MW-7D**	EPA 200.2	763184	EPA 6020	763450
50359251007	**MW-7D1**	EPA 200.2	763184	EPA 6020	763450
50359251008	**DUP-2**	EPA 200.2	763184	EPA 6020	763450
50359251001	**MW-5D**	EPA 903.1	630811		
50359251002	**DUP-1**	EPA 903.1	630811		
50359251003	**MW-13S**	EPA 903.1	630811		
50359251004	**MW-13D**	EPA 903.1	630811		
50359251005	**MW-7S**	EPA 903.1	630811		
50359251006	**MW-7D**	EPA 903.1	630811		
50359251007	**MW-7D1**	EPA 903.1	630811		
50359251008	**DUP-2**	EPA 903.1	630811		
50359251001	**MW-5D**	EPA 904.0	630812		
50359251002	**DUP-1**	EPA 904.0	630812		
50359251003	**MW-13S**	EPA 904.0	630812		
50359251004	**MW-13D**	EPA 904.0	630812		
50359251005	**MW-7S**	EPA 904.0	630812		
50359251006	**MW-7D**	EPA 904.0	630812		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359251007	**MW-7D1**	EPA 904.0	630812		
50359251008	**DUP-2**	EPA 904.0	630812		
50359251001	**MW-5D**	Total Radium Calculation	634634		
50359251002	**DUP-1**	Total Radium Calculation	634634		
50359251003	**MW-13S**	Total Radium Calculation	634634		
50359251004	**MW-13D**	Total Radium Calculation	634634		
50359251005	**MW-7S**	Total Radium Calculation	634634		
50359251006	**MW-7D**	Total Radium Calculation	634634		
50359251007	**MW-7D1**	Total Radium Calculation	634634		
50359251008	**DUP-2**	Total Radium Calculation	634634		
50359251001	**MW-5D**	SM 2320B	762687		
50359251002	**DUP-1**	SM 2320B	762687		
50359251003	**MW-13S**	SM 2320B	762687		
50359251004	**MW-13D**	SM 2320B	762687		
50359251005	**MW-7S**	SM 2320B	762687		
50359251006	**MW-7D**	SM 2320B	762687		
50359251007	**MW-7D1**	SM 2320B	762687		
50359251008	**DUP-2**	SM 2320B	762687		
50359251001	**MW-5D**	SM 2540C	763068		
50359251002	**DUP-1**	SM 2540C	763068		
50359251003	**MW-13S**	SM 2540C	763068		
50359251004	**MW-13D**	SM 2540C	763068		
50359251005	**MW-7S**	SM 2540C	763068		
50359251006	**MW-7D**	SM 2540C	763068		
50359251007	**MW-7D1**	SM 2540C	763068		
50359251008	**DUP-2**	SM 2540C	763068		
50359251001	**MW-5D**	SM 4500-H+B	765027		
50359251002	**DUP-1**	SM 4500-H+B	765027		
50359251003	**MW-13S**	SM 4500-H+B	765027		
50359251004	**MW-13D**	SM 4500-H+B	765027		
50359251005	**MW-7S**	SM 4500-H+B	765027		
50359251006	**MW-7D**	SM 4500-H+B	765027		
50359251007	**MW-7D1**	SM 4500-H+B	765027		
50359251008	**DUP-2**	SM 4500-H+B	765027		
50359251001	**MW-5D**	SM 4500-S2-D	762750		
50359251002	**DUP-1**	SM 4500-S2-D	762750		
50359251003	**MW-13S**	SM 4500-S2-D	762750		
50359251004	**MW-13D**	SM 4500-S2-D	762750		
50359251005	**MW-7S**	SM 4500-S2-D	762750		
50359251006	**MW-7D**	SM 4500-S2-D	762750		
50359251007	**MW-7D1**	SM 4500-S2-D	762750		
50359251008	**DUP-2**	SM 4500-S2-D	762750		
50359251001	**MW-5D**	HACH 8146	762238		
50359251002	**DUP-1**	HACH 8146	762238		
50359251003	**MW-13S**	HACH 8146	762238		
50359251004	**MW-13D**	HACH 8146	762238		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HARDING STREET NOV 2023 P1R1
Pace Project No.: 50359251

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359251005	**MW-7S**	HACH 8146	762238		
50359251006	**MW-7D**	HACH 8146	762238		
50359251007	**MW-7D1**	HACH 8146	762238		
50359251008	**DUP-2**	HACH 8146	762238		
50359251001	**MW-5D**	EPA 353.2	762010		
50359251002	**DUP-1**	EPA 353.2	762010		
50359251003	**MW-13S**	EPA 353.2	762010		
50359251004	**MW-13D**	EPA 353.2	762010		
50359251005	**MW-7S**	EPA 353.2	762010		
50359251006	**MW-7D**	EPA 353.2	762010		
50359251007	**MW-7D1**	EPA 353.2	762015		
50359251008	**DUP-2**	EPA 353.2	762015		
50359251001	**MW-5D**	EPA 365.1	763908	EPA 365.1	764402
50359251002	**DUP-1**	EPA 365.1	763908	EPA 365.1	764402
50359251003	**MW-13S**	EPA 365.1	763908	EPA 365.1	764402
50359251004	**MW-13D**	EPA 365.1	763908	EPA 365.1	764402
50359251005	**MW-7S**	EPA 365.1	763908	EPA 365.1	764402
50359251006	**MW-7D**	EPA 365.1	763908	EPA 365.1	764402
50359251007	**MW-7D1**	EPA 365.1	763908	EPA 365.1	764402
50359251008	**DUP-2**	EPA 365.1	763908	EPA 365.1	764402
50359251001	**MW-5D**	SM 5310C	763573		
50359251002	**DUP-1**	SM 5310C	763573		
50359251003	**MW-13S**	SM 5310C	763086		
50359251004	**MW-13D**	SM 5310C	763086		
50359251005	**MW-7S**	SM 5310C	763086		
50359251006	**MW-7D**	SM 5310C	763086		
50359251007	**MW-7D1**	SM 5310C	763573		
50359251008	**DUP-2**	SM 5310C	763573		
50359251001	**MW-5D**	SM 5310C	764233		
50359251002	**DUP-1**	SM 5310C	764233		
50359251003	**MW-13S**	SM 5310C	764233		
50359251004	**MW-13D**	SM 5310C	764233		
50359251005	**MW-7S**	SM 5310C	764233		
50359251006	**MW-7D**	SM 5310C	764233		
50359251007	**MW-7D1**	SM 5310C	764233		
50359251008	**DUP-2**	SM 5310C	764233		

WO# : 50359251

50359251

CHAIN-OF-CUSTODY / Analytical Request Document

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

y constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section C	
oject Information:	Invoice Information:
Company: AES/IPL Petersburg	Report To: Mark Breting
Address: 7988 Centerpoint Drive	Copy To:
Suite 100, Indianapolis, IN 46256	
Email: mark.breting@atcgs.com	Purchase Order #:
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023
Requested Due Date:	Project #:
	Attention:
	Company Name:
	Address:
	Pace Quote:
	Pace Project Manager: will.statz@pacelabs.com,
	Pace Profile #: 10498-48

Regulatory Agency	State / Location
	IN

PIRI

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)
1	MW-5D	WT		11.9	1300				11	3	3	7		1					x	x	x	x	x	x	x	x	x	x	
2	DUP-1	WT		11.9	—				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x	
3	MW-13S	WT		11.9	1204	11.9			11	3	3	4		1					x	x	x	x	x	x	x	x	x	x	
4	MW-13D	WT		11.9	1355				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x	
5	MW-75	WT			1105				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x	
6	MW-70	WT			1200				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x	
7	MW-701	WT			1405				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x	
8	Dup-2	WT			—				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x	
9		WT																	x	x	x	x	x	x	x	x	x	x	
10		WT																	x	x	x	x	x	x	x	x	x	x	
11		WT																	x	x	x	x	x	x	x	x	x	x	
12																			x	x	x	x	x	x	x	x	x	x	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	MW-5D	11.9	1500		11.9	1510	
6020 - Be,Co, As, Se, Sb (5)		11.9	1511		11.9.23	1515	
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)		11.9.23	1605		11/9/23	1605	SEE SCAN
6010 diss - Fe, Mn, Mo (3)							

SHORT HOLD!!!

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Kreygon Lankford					
SIGNATURE of SAMPLER:		DATE Signed: 11.9.23				

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: MR 11/9/23 1645

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

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

4. **Cooler Temperature(s):** 0.8/0.8 | 1.4/1.4 | 1.0/1.0 | 0.9/0.9

(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

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:** 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	✓	
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)			✓
Headspace Wisconsin Sulfide?			✓
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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											4	1	1			2	2	1	1	1	1		1					4r	✓	✓		✓
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street Nov 2023
Pace Project No.: 50359448

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2023. 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,

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: Harding Street Nov 2023
Pace Project No.: 50359448

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359448001	**MW-2IL**	Water	11/10/23 10:30	11/10/23 13:47
50359448002	**MW-8S**	Water	11/10/23 11:00	11/10/23 13:47
50359448003	**MW-8D**	Water	11/10/23 12:30	11/10/23 13:47

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359448001	**MW-2IL**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	MTM	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359448002	**MW-8S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	MTM	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359448003	**MW-8D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	MTM	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359448001	**MW-2IL**					
EPA 9056	Chloride	5.2	mg/L	0.25	11/27/23 20:40	
EPA 9056	Fluoride	0.51	mg/L	0.10	11/27/23 20:40	
EPA 6010	Barium	593	ug/L	10.0	11/21/23 12:42	
EPA 6010	Boron	136	ug/L	100	11/21/23 12:42	
EPA 6010	Calcium	70700	ug/L	1000	11/21/23 12:42	
EPA 6010	Iron	3130	ug/L	100	11/21/23 12:42	
EPA 6010	Magnesium	28600	ug/L	1000	11/21/23 12:42	
EPA 6010	Manganese	105	ug/L	10.0	11/21/23 12:42	
EPA 6010	Molybdenum	22.8	ug/L	10.0	11/21/23 12:42	
EPA 6010	Potassium	1850	ug/L	1000	11/21/23 12:42	
EPA 6010	Silica	23300	ug/L	450	11/21/23 12:42	N2
EPA 6010	Sodium	19600	ug/L	1000	11/21/23 12:42	
EPA 6010	Iron, Dissolved	2680	ug/L	100	11/22/23 12:43	
EPA 6010	Manganese, Dissolved	99.1	ug/L	10.0	11/22/23 12:43	
EPA 6010	Molybdenum, Dissolved	22.6	ug/L	10.0	11/22/23 12:43	
EPA 6020	Arsenic	12.9	ug/L	1.0	11/14/23 21:43	
EPA 903.1	Radium-226	0.965 ± 0.527 (0.577) C:NA T:85%	pCi/L		12/08/23 13:21	
EPA 904.0	Radium-228	0.495 ± 0.355 (0.679) C:79% T:85%	pCi/L		11/30/23 15:16	
Total Radium Calculation	Total Radium	1.46 ± 0.882 (1.26)	pCi/L		12/08/23 15:57	
SM 2320B	Alkalinity, Total as CaCO3	339	mg/L	10.0	11/16/23 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	339	mg/L	10.0	11/16/23 20:30	
SM 2540C	Total Dissolved Solids	329	mg/L	10.0	11/16/23 15:39	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	11/28/23 16:03	H3
HACH 8146	Iron, Ferrous	0.21	mg/L	0.20	11/16/23 12:27	H3,N2
EPA 365.1	Phosphate as P04	0.47	mg/L	0.15	11/21/23 18:25	
SM 5310C	Total Organic Carbon	2.9	mg/L	1.0	11/22/23 04:03	
SM 5310C	Dissolved Organic Carbon	5.8	mg/L	1.0	11/21/23 23:26	
50359448002	**MW-8S**					
EPA 9056	Chloride	156	mg/L	2.5	11/27/23 21:13	
EPA 9056	Fluoride	0.10	mg/L	0.10	11/27/23 20:57	
EPA 9056	Sulfate	520	mg/L	25.0	11/27/23 21:30	
EPA 6010	Barium	34.4	ug/L	10.0	11/21/23 12:44	
EPA 6010	Boron	11200	ug/L	100	11/21/23 12:44	
EPA 6010	Calcium	216000	ug/L	2000	11/21/23 14:11	
EPA 6010	Lithium	137	ug/L	20.0	11/21/23 12:44	
EPA 6010	Magnesium	86500	ug/L	1000	11/21/23 12:44	
EPA 6010	Manganese	333	ug/L	10.0	11/21/23 12:44	
EPA 6010	Molybdenum	253	ug/L	10.0	11/21/23 12:44	
EPA 6010	Potassium	21700	ug/L	1000	11/21/23 12:44	
EPA 6010	Silica	16000	ug/L	450	11/21/23 12:44	N2

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359448002	**MW-8S**					
EPA 6010	Sodium	129000	ug/L	1000	11/21/23 12:44	
EPA 6010	Manganese, Dissolved	319	ug/L	10.0	11/22/23 12:45	
EPA 6010	Molybdenum, Dissolved	241	ug/L	10.0	11/22/23 12:45	
EPA 903.1	Radium-226	-0.195 ± 0.298 (0.781) C:NA T:81%	pCi/L		12/08/23 13:21	
EPA 904.0	Radium-228	0.361 ± 0.334 (0.671) C:80% T:81%	pCi/L		11/30/23 15:16	
Total Radium Calculation	Total Radium	0.361 ± 0.632 (1.45)	pCi/L		12/08/23 15:57	
SM 2320B	Alkalinity, Total as CaCO3	416	mg/L	10.0	11/16/23 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	416	mg/L	10.0	11/16/23 20:30	
SM 2540C	Total Dissolved Solids	610	mg/L	10.0	11/16/23 15:40	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/28/23 16:04	H3
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	11/22/23 05:07	
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	1.0	11/22/23 00:00	
50359448003	**MW-8D**					
EPA 9056	Chloride	98.9	mg/L	2.5	11/27/23 22:38	
EPA 9056	Fluoride	0.28	mg/L	0.10	11/27/23 22:21	
EPA 9056	Sulfate	119	mg/L	2.5	11/27/23 22:38	
EPA 6010	Barium	220	ug/L	10.0	11/21/23 12:53	
EPA 6010	Boron	680	ug/L	100	11/21/23 12:53	
EPA 6010	Calcium	93600	ug/L	1000	11/21/23 12:53	
EPA 6010	Iron	2690	ug/L	100	11/21/23 12:53	
EPA 6010	Magnesium	27600	ug/L	1000	11/21/23 12:53	
EPA 6010	Manganese	497	ug/L	10.0	11/21/23 12:53	
EPA 6010	Molybdenum	57.7	ug/L	10.0	11/21/23 12:53	
EPA 6010	Potassium	4580	ug/L	1000	11/21/23 12:53	
EPA 6010	Silica	10500	ug/L	450	11/21/23 12:53	N2
EPA 6010	Sodium	86900	ug/L	1000	11/21/23 12:53	
EPA 6010	Iron, Dissolved	2300	ug/L	100	11/22/23 12:49	
EPA 6010	Manganese, Dissolved	483	ug/L	10.0	11/22/23 12:49	
EPA 6010	Molybdenum, Dissolved	56.2	ug/L	10.0	11/22/23 12:49	
EPA 6020	Arsenic	3.6	ug/L	1.0	11/14/23 21:39	
EPA 903.1	Radium-226	1.10 ± 0.566 (0.628) C:NA T:87%	pCi/L		12/08/23 13:21	
EPA 904.0	Radium-228	0.693 ± 0.348 (0.584) C:84% T:87%	pCi/L		11/30/23 15:16	

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359448003	**MW-8D**					
Total Radium Calculation	Total Radium	1.79 ± 0.914 (1.21)	pCi/L		12/08/23 15:57	
SM 2320B	Alkalinity, Total as CaCO3	267	mg/L	10.0	11/16/23 20:30	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	267	mg/L	10.0	11/16/23 20:30	
SM 2540C	Total Dissolved Solids	1510	mg/L	20.0	11/16/23 15:41	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	11/28/23 17:09	H3
EPA 365.1	Phosphate as P04	0.59	mg/L	0.15	11/21/23 18:27	
SM 5310C	Total Organic Carbon	2.1	mg/L	1.0	11/22/23 05:42	
SM 5310C	Dissolved Organic Carbon	3.6	mg/L	1.0	11/22/23 00:11	

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-2IL **Lab ID: 50359448001** Collected: 11/10/23 10:30 Received: 11/10/23 13:47 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	**5.2**	mg/L	0.25	0.067	1		11/27/23 20:40	16887-00-6	
Fluoride	**0.51**	mg/L	0.10	0.017	1		11/27/23 20:40	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		11/27/23 20:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/19/23 20:53	11/21/23 12:42	7429-90-5	
Barium	**593**	ug/L	10.0	0.45	1	11/19/23 20:53	11/21/23 12:42	7440-39-3	
Boron	**136**	ug/L	100	6.2	1	11/19/23 20:53	11/21/23 12:42	7440-42-8	
Calcium	**70700**	ug/L	1000	67.7	1	11/19/23 20:53	11/21/23 12:42	7440-70-2	
Iron	**3130**	ug/L	100	30.0	1	11/19/23 20:53	11/21/23 12:42	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/19/23 20:53	11/21/23 12:42	7439-93-2	
Magnesium	**28600**	ug/L	1000	33.6	1	11/19/23 20:53	11/21/23 12:42	7439-95-4	
Manganese	**105**	ug/L	10.0	1.8	1	11/19/23 20:53	11/21/23 12:42	7439-96-5	
Molybdenum	**22.8**	ug/L	10.0	0.78	1	11/19/23 20:53	11/21/23 12:42	7439-98-7	
Potassium	**1850**	ug/L	1000	97.8	1	11/19/23 20:53	11/21/23 12:42	7440-09-7	
Silica	**23300**	ug/L	450		1	11/19/23 20:53	11/21/23 12:42	7631-86-9	N2
Sodium	**19600**	ug/L	1000	54.8	1	11/19/23 20:53	11/21/23 12:42	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2680**	ug/L	100	18.1	1	11/21/23 08:24	11/22/23 12:43	7439-89-6	
Manganese, Dissolved	**99.1**	ug/L	10.0	1.1	1	11/21/23 08:24	11/22/23 12:43	7439-96-5	
Molybdenum, Dissolved	**22.6**	ug/L	10.0	1.1	1	11/21/23 08:24	11/22/23 12:43	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	0.49	1	11/14/23 06:25	11/14/23 21:43	7440-36-0	
Arsenic	**12.9**	ug/L	1.0	0.075	1	11/14/23 06:25	11/14/23 21:43	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/14/23 06:25	11/14/23 21:43	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/14/23 06:25	11/14/23 21:43	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/14/23 06:25	11/14/23 21:43	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**339**	mg/L	10.0	10.0	1		11/16/23 20:30		
Alkalinity,Bicarbonate (CaCO3)	**339**	mg/L	10.0	10.0	1		11/16/23 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/16/23 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**329**	mg/L	10.0	10.0	1		11/16/23 15:39		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-2IL **Lab ID: 50359448001** Collected: 11/10/23 10:30 Received: 11/10/23 13:47 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	**7.5**	Std. Units	0.10	0.10	1		11/28/23 16:03		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 15:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.21**	mg/L	0.20	0.035	1		11/16/23 12:27	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/11/23 00:55	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/11/23 00:55	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.47**	mg/L	0.15	0.15	1	11/21/23 10:00	11/21/23 18:25		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.9**	mg/L	1.0	0.24	1		11/22/23 04:03	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**5.8**	mg/L	1.0	0.24	1		11/21/23 23:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-8S **Lab ID: 50359448002** Collected: 11/10/23 11:00 Received: 11/10/23 13:47 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	**156**	mg/L	2.5	0.67	10		11/27/23 21:13	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.017	1		11/27/23 20:57	16984-48-8	
Sulfate	**520**	mg/L	25.0	19.0	100		11/27/23 21:30	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/19/23 20:53	11/21/23 12:44	7429-90-5	
Barium	**34.4**	ug/L	10.0	0.45	1	11/19/23 20:53	11/21/23 12:44	7440-39-3	
Boron	**11200**	ug/L	100	6.2	1	11/19/23 20:53	11/21/23 12:44	7440-42-8	
Calcium	**216000**	ug/L	2000	135	2	11/19/23 20:53	11/21/23 14:11	7440-70-2	
Iron	ND	ug/L	100	30.0	1	11/19/23 20:53	11/21/23 12:44	7439-89-6	
Lithium	**137**	ug/L	20.0	6.8	1	11/19/23 20:53	11/21/23 12:44	7439-93-2	
Magnesium	**86500**	ug/L	1000	33.6	1	11/19/23 20:53	11/21/23 12:44	7439-95-4	
Manganese	**333**	ug/L	10.0	1.8	1	11/19/23 20:53	11/21/23 12:44	7439-96-5	
Molybdenum	**253**	ug/L	10.0	0.78	1	11/19/23 20:53	11/21/23 12:44	7439-98-7	
Potassium	**21700**	ug/L	1000	97.8	1	11/19/23 20:53	11/21/23 12:44	7440-09-7	
Silica	**16000**	ug/L	450		1	11/19/23 20:53	11/21/23 12:44	7631-86-9	N2
Sodium	**129000**	ug/L	1000	54.8	1	11/19/23 20:53	11/21/23 12:44	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	ND	ug/L	100	18.1	1	11/21/23 08:24	11/22/23 12:45	7439-89-6	
Manganese, Dissolved	**319**	ug/L	10.0	1.1	1	11/21/23 08:24	11/22/23 12:45	7439-96-5	
Molybdenum, Dissolved	**241**	ug/L	10.0	1.1	1	11/21/23 08:24	11/22/23 12:45	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	0.49	1	11/14/23 06:25	11/14/23 21:36	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/14/23 06:25	11/14/23 21:36	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/14/23 06:25	11/14/23 21:36	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/14/23 06:25	11/14/23 21:36	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/14/23 06:25	11/14/23 21:36	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**416**	mg/L	10.0	10.0	1		11/16/23 20:30		
Alkalinity,Bicarbonate (CaCO3)	**416**	mg/L	10.0	10.0	1		11/16/23 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/16/23 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**610**	mg/L	10.0	10.0	1		11/16/23 15:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-8S **Lab ID: 50359448002** Collected: 11/10/23 11:00 Received: 11/10/23 13:47 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	**7.4**	Std. Units	0.10	0.10	1		11/28/23 16:04		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 15:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/16/23 12:28	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/11/23 02:44	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/11/23 02:44	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/21/23 10:00	11/21/23 18:26		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.0**	mg/L	1.0	0.24	1		11/22/23 05:07	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	1.0	0.24	1		11/22/23 00:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-8D **Lab ID: 50359448003** Collected: 11/10/23 12:30 Received: 11/10/23 13:47 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	**98.9**	mg/L	2.5	0.67	10		11/27/23 22:38	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.017	1		11/27/23 22:21	16984-48-8	
Sulfate	**119**	mg/L	2.5	1.9	10		11/27/23 22:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/19/23 20:53	11/21/23 12:53	7429-90-5	
Barium	**220**	ug/L	10.0	0.45	1	11/19/23 20:53	11/21/23 12:53	7440-39-3	
Boron	**680**	ug/L	100	6.2	1	11/19/23 20:53	11/21/23 12:53	7440-42-8	
Calcium	**93600**	ug/L	1000	67.7	1	11/19/23 20:53	11/21/23 12:53	7440-70-2	
Iron	**2690**	ug/L	100	30.0	1	11/19/23 20:53	11/21/23 12:53	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/19/23 20:53	11/21/23 12:53	7439-93-2	
Magnesium	**27600**	ug/L	1000	33.6	1	11/19/23 20:53	11/21/23 12:53	7439-95-4	
Manganese	**497**	ug/L	10.0	1.8	1	11/19/23 20:53	11/21/23 12:53	7439-96-5	
Molybdenum	**57.7**	ug/L	10.0	0.78	1	11/19/23 20:53	11/21/23 12:53	7439-98-7	
Potassium	**4580**	ug/L	1000	97.8	1	11/19/23 20:53	11/21/23 12:53	7440-09-7	
Silica	**10500**	ug/L	450		1	11/19/23 20:53	11/21/23 12:53	7631-86-9	N2
Sodium	**86900**	ug/L	1000	54.8	1	11/19/23 20:53	11/21/23 12:53	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2300**	ug/L	100	18.1	1	11/21/23 08:24	11/22/23 12:49	7439-89-6	
Manganese, Dissolved	**483**	ug/L	10.0	1.1	1	11/21/23 08:24	11/22/23 12:49	7439-96-5	
Molybdenum, Dissolved	**56.2**	ug/L	10.0	1.1	1	11/21/23 08:24	11/22/23 12:49	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	0.49	1	11/14/23 06:25	11/14/23 21:39	7440-36-0	
Arsenic	**3.6**	ug/L	1.0	0.075	1	11/14/23 06:25	11/14/23 21:39	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/14/23 06:25	11/14/23 21:39	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/14/23 06:25	11/14/23 21:39	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/14/23 06:25	11/14/23 21:39	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**267**	mg/L	10.0	10.0	1		11/16/23 20:30		
Alkalinity,Bicarbonate (CaCO3)	**267**	mg/L	10.0	10.0	1		11/16/23 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/16/23 20:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1510**	mg/L	20.0	20.0	1		11/16/23 15:41		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-8D **Lab ID: 50359448003** Collected: 11/10/23 12:30 Received: 11/10/23 13:47 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	**7.3**	Std. Units	0.10	0.10	1		11/28/23 17:09		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 15:56	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/16/23 12:29	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/11/23 02:53	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/11/23 02:53	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.59**	mg/L	0.15	0.15	1	11/21/23 10:00	11/21/23 18:27		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.1**	mg/L	1.0	0.24	1		11/22/23 05:42	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.6**	mg/L	1.0	0.24	1		11/22/23 00:11		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 763720
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3500895 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/22/23 10:56	
Fluoride	mg/L	ND	0.10	0.017	11/22/23 10:56	
Sulfate	mg/L	ND	0.25	0.19	11/22/23 10:56	

LABORATORY CONTROL SAMPLE: 3500896

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	0.99	99	80-120	
Sulfate	mg/L	5	4.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3500897 3500898

Parameter	Units	50359387004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	31.6	25	25	54.6	54.5	92	92	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.1	1.1	97	98	80-120	0	15	
Sulfate	mg/L	773	500	500	1220	1220	89	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 762718
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3495980 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	11/21/23 12:41	
Barium	ug/L	ND	10.0	0.45	11/21/23 12:41	
Boron	ug/L	ND	100	6.2	11/21/23 12:41	
Calcium	ug/L	ND	1000	67.7	11/21/23 12:41	
Iron	ug/L	ND	100	30.0	11/21/23 12:41	
Lithium	ug/L	ND	20.0	6.8	11/21/23 12:41	
Magnesium	ug/L	ND	1000	33.6	11/21/23 12:41	
Manganese	ug/L	ND	10.0	1.8	11/21/23 12:41	
Molybdenum	ug/L	ND	10.0	0.78	11/21/23 12:41	
Potassium	ug/L	ND	1000	97.8	11/21/23 12:41	
Silica	ug/L	ND	450		11/21/23 12:41	N2
Sodium	ug/L	ND	1000	54.8	11/21/23 12:41	

LABORATORY CONTROL SAMPLE: 3495981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9850	99	80-120	
Barium	ug/L	1000	1000	100	80-120	
Boron	ug/L	1000	969	97	80-120	
Calcium	ug/L	10000	9940	99	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lithium	ug/L	1000	1030	103	80-120	
Magnesium	ug/L	10000	9670	97	80-120	
Manganese	ug/L	1000	978	98	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9750	98	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	9690	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495982 3495983

Parameter	Units	50359448002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9850	9640	98	96	75-125	2	20	
Barium	ug/L	34.4	1000	1000	1020	1000	99	97	75-125	2	20	
Boron	ug/L	11200	1000	1000	11800	11500	61	31	75-125	3	20	P6
Calcium	ug/L	216000	10000	10000	217000	217000	11	9	75-125	0	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495982 3495983

Parameter	Units	50359448002 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	9810	9630	97	96	75-125	2	20	
Lithium	ug/L	137	1000	1000	1160	1130	102	100	75-125	2	20	
Magnesium	ug/L	86500	10000	10000	92600	90700	61	42	75-125	2	20	P6
Manganese	ug/L	333	1000	1000	1270	1240	93	91	75-125	2	20	
Molybdenum	ug/L	253	1000	1000	1250	1230	100	97	75-125	2	20	
Potassium	ug/L	21700	10000	10000	31000	30200	93	85	75-125	3	20	
Silica	ug/L	16000	10700	10700	26200	25600	96	90	75-125	2	20	N2
Sodium	ug/L	129000	10000	10000	134000	131000	50	16	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 763258
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3498426 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	18.1	11/22/23 12:22	
Manganese, Dissolved	ug/L	ND	10.0	1.1	11/22/23 12:22	
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	11/22/23 12:22	

LABORATORY CONTROL SAMPLE: 3498427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9740	97	80-120	
Manganese, Dissolved	ug/L	1000	971	97	80-120	
Molybdenum, Dissolved	ug/L	1000	987	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498428 3498429

Parameter	Units	50359425001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	5680	10000	10000	14900	15000	92	93	75-125	1	20	
Manganese, Dissolved	ug/L	774	1000	1000	1680	1690	91	91	75-125	0	20	
Molybdenum, Dissolved	ug/L	165	1000	1000	1150	1160	99	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 762474
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3495126 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/14/23 17:44	
Arsenic	ug/L	ND	1.0	0.075	11/14/23 17:44	
Beryllium	ug/L	ND	0.20	0.035	11/14/23 17:44	
Cobalt	ug/L	ND	1.0	0.046	11/14/23 17:44	
Selenium	ug/L	ND	1.0	0.20	11/14/23 17:44	

LABORATORY CONTROL SAMPLE: 3495127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	39.2	98	80-120	
Beryllium	ug/L	40	41.7	104	80-120	
Cobalt	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	40.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3495128 3495129

Parameter	Units	50359448001 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	42.0	41.7	105	104	75-125	1	20	
Arsenic	ug/L	12.9	40	40	49.4	49.9	91	93	75-125	1	20	
Beryllium	ug/L	ND	40	40	38.7	38.7	97	97	75-125	0	20	
Cobalt	ug/L	ND	40	40	39.4	39.1	98	97	75-125	1	20	
Selenium	ug/L	ND	40	40	39.2	39.8	98	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 763474
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3499592 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/16/23 20:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/16/23 20:30	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/16/23 20:30	

LABORATORY CONTROL SAMPLE: 3499593

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: 3499594

Parameter	Units	50359425001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	120	122	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	120	122	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3499595

Parameter	Units	50359483006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	284	291	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	284	291	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 763079
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3497407 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/16/23 15:32	

LABORATORY CONTROL SAMPLE: 3497408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	276	92	80-120	

SAMPLE DUPLICATE: 3497409

Parameter	Units	50359442018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2950	2950	0	10	

SAMPLE DUPLICATE: 3497410

Parameter	Units	50359454020 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	279	282	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 765044
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: 50359448001, 50359448002

SAMPLE DUPLICATE: 3506067

Parameter	Units	50359359001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.2	1	2	H3

SAMPLE DUPLICATE: 3506068

Parameter	Units	50359387004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.1	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 765166
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: 50359448003

SAMPLE DUPLICATE: 3506684

Parameter	Units	50359448003 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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 762916
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3496645 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/14/23 15:56	

LABORATORY CONTROL SAMPLE: 3496646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3496647 3496648

Parameter	Units	50359369004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.14	0.5	0.5	0.54	0.54	78	79	90-110	0	20	M3

MATRIX SPIKE SAMPLE: 3496649

Parameter	Units	50359451001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.33	65	90-110	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 763332
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3498756 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/16/23 12:20	H3,N2

LABORATORY CONTROL SAMPLE: 3498757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.99	99	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498758 3498759

Parameter	Units	50359425001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	0.34	1	1	1.5	1.5	114	121	90-110	5	20	H3,M3, N2

MATRIX SPIKE SAMPLE: 3498760

Parameter	Units	50359451001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.7	5	6.6	98	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 762273
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: 50359448001

METHOD BLANK: 3494306 Matrix: Water
Associated Lab Samples: 50359448001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/11/23 00:03	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/11/23 00:03	

LABORATORY CONTROL SAMPLE: 3494307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 3494308

Parameter	Units	50359425007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	99	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 3494309

Parameter	Units	50359369004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	4.3	5	9.6	105	90-110	
Nitrogen, Nitrite	mg/L	ND	5	5.3	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 762277
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: 50359448002, 50359448003

METHOD BLANK: 3494351 Matrix: Water
Associated Lab Samples: 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/11/23 02:14	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/11/23 02:14	

LABORATORY CONTROL SAMPLE: 3494352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3494353 3494354

Parameter	Units	50359448002 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	103	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.1	1.1	108	109	90-110	0	20	

MATRIX SPIKE SAMPLE: 3494355

Parameter	Units	50359451005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.5	1	2.5	100	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	107	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 764164
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3502785 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/21/23 18:15	

LABORATORY CONTROL SAMPLE: 3502786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.5			

MATRIX SPIKE SAMPLE: 3502789

Parameter	Units	50359425005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	1.3		3.1			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3502850 3502851

Parameter	Units	50359425006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	1.6			3.2	3.2				0		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 764033
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3502334 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/21/23 21:15	

LABORATORY CONTROL SAMPLE: 3502335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3502336 3502337

Parameter	Units	50359369004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	10	10	10.5	10.6	98	99	80-120	1	20	

MATRIX SPIKE SAMPLE: 3502338

Parameter	Units	50359425001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.8	10	11.8	100	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 764235
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3503004 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/21/23 20:40	

LABORATORY CONTROL SAMPLE: 3503005

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: 3503006 3503007

Parameter	Units	50359374003 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	3.5	10	10	12.6	12.4	91	89	80-120	1	20	

MATRIX SPIKE SAMPLE: 3503008

Parameter	Units	50359425001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	4.4	10	14.0	96	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-2IL **Lab ID: 50359448001** Collected: 11/10/23 10:30 Received: 11/10/23 13:47 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	**0.965 ± 0.527 (0.577) C:NA T:85%**	pCi/L	12/08/23 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.495 ± 0.355 (0.679) C:79% T:85%**	pCi/L	11/30/23 15:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.46 ± 0.882 (1.26)**	pCi/L	12/08/23 15:57	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-8S **Lab ID: 50359448002** Collected: 11/10/23 11:00 Received: 11/10/23 13:47 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 ± 0.298 (0.781) C:NA T:81%**	pCi/L	12/08/23 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.361 ± 0.334 (0.671) C:80% T:81%**	pCi/L	11/30/23 15:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.361 ± 0.632 (1.45)**	pCi/L	12/08/23 15:57	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Sample: MW-8D **Lab ID: 50359448003** Collected: 11/10/23 12:30 Received: 11/10/23 13:47 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	**1.10 ± 0.566 (0.628) C:NA T:87%**	pCi/L	12/08/23 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.693 ± 0.348 (0.584) C:84% T:87%**	pCi/L	11/30/23 15:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.79 ± 0.914 (1.21)**	pCi/L	12/08/23 15:57	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 630103
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: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3071769
Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.345 ± 0.349 (0.717) C:82% T:80%	pCi/L	11/30/23 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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50359448

QC Batch: 630102
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: 50359448001, 50359448002, 50359448003

METHOD BLANK: 3071766 Matrix: Water
Associated Lab Samples: 50359448001, 50359448002, 50359448003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0694 ± 0.360 (0.747) C:NA T:80%	pCi/L	12/08/23 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

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

QUALIFIERS

Project: Harding Street Nov 2023
Pace Project No.: 50359448

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359448001	**MW-2IL**	EPA 9056	763720		
50359448002	**MW-8S**	EPA 9056	763720		
50359448003	**MW-8D**	EPA 9056	763720		
50359448001	**MW-2IL**	EPA 3010	762718	EPA 6010	764243
50359448002	**MW-8S**	EPA 3010	762718	EPA 6010	764243
50359448003	**MW-8D**	EPA 3010	762718	EPA 6010	764243
50359448001	**MW-2IL**	EPA 3010	763258	EPA 6010	764546
50359448002	**MW-8S**	EPA 3010	763258	EPA 6010	764546
50359448003	**MW-8D**	EPA 3010	763258	EPA 6010	764546
50359448001	**MW-2IL**	EPA 200.2	762474	EPA 6020	762759
50359448002	**MW-8S**	EPA 200.2	762474	EPA 6020	762759
50359448003	**MW-8D**	EPA 200.2	762474	EPA 6020	762759
50359448001	**MW-2IL**	EPA 903.1	630102		
50359448002	**MW-8S**	EPA 903.1	630102		
50359448003	**MW-8D**	EPA 903.1	630102		
50359448001	**MW-2IL**	EPA 904.0	630103		
50359448002	**MW-8S**	EPA 904.0	630103		
50359448003	**MW-8D**	EPA 904.0	630103		
50359448001	**MW-2IL**	Total Radium Calculation	634936		
50359448002	**MW-8S**	Total Radium Calculation	634936		
50359448003	**MW-8D**	Total Radium Calculation	634936		
50359448001	**MW-2IL**	SM 2320B	763474		
50359448002	**MW-8S**	SM 2320B	763474		
50359448003	**MW-8D**	SM 2320B	763474		
50359448001	**MW-2IL**	SM 2540C	763079		
50359448002	**MW-8S**	SM 2540C	763079		
50359448003	**MW-8D**	SM 2540C	763079		
50359448001	**MW-2IL**	SM 4500-H+B	765044		
50359448002	**MW-8S**	SM 4500-H+B	765044		
50359448003	**MW-8D**	SM 4500-H+B	765166		
50359448001	**MW-2IL**	SM 4500-S2-D	762916		
50359448002	**MW-8S**	SM 4500-S2-D	762916		
50359448003	**MW-8D**	SM 4500-S2-D	762916		
50359448001	**MW-2IL**	HACH 8146	763332		
50359448002	**MW-8S**	HACH 8146	763332		
50359448003	**MW-8D**	HACH 8146	763332		
50359448001	**MW-2IL**	EPA 353.2	762273		
50359448002	**MW-8S**	EPA 353.2	762277		
50359448003	**MW-8D**	EPA 353.2	762277		
50359448001	**MW-2IL**	EPA 365.1	764164	EPA 365.1	764401
50359448002	**MW-8S**	EPA 365.1	764164	EPA 365.1	764401

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023
Pace Project No.: 50359448

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359448003	**MW-8D**	EPA 365.1	764164	EPA 365.1	764401
50359448001	**MW-2IL**	SM 5310C	764033		
50359448002	**MW-8S**	SM 5310C	764033		
50359448003	**MW-8D**	SM 5310C	764033		
50359448001	**MW-2IL**	SM 5310C	764235		
50359448002	**MW-8S**	SM 5310C	764235		
50359448003	**MW-8D**	SM 5310C	764235		

Pace

CHAIN-OF-CUSTODY / Analytical Request D

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields m

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pa

WO# : 50359448

50359448

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	Regulatory Agency
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #:	Pace Profile #: 10498-48	IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532		Residual Chlorine (Y/N)	
																		Requested Analysis Filtered (Y/N)														
1	MW-2IL	WT		11.10	1030				11	3	3	4		1				X	X	X	X	X	X	X	X	X	X	X			
2	MW-8S	WT		11.10	1100				11	3	3	4		1				X	X	X	X	X	X	X	X	X	X	X			
3	MW-8D	WT		11.10	1230	11.10	1347		11	3	3	4		1				X	X	X	X	X	X	X	X	X	X	X			
4		WT																X	X	X	X	X	X	X	X	X	X	X			
5		WT																X	X	X	X	X	X	X	X	X	X	X			
6		WT																X	X	X	X	X	X	X	X	X	X	X			
7		WT																X	X	X	X	X	X	X	X	X	X	X			
8		WT																X	X	X	X	X	X	X	X	X	X	X			
9		WT																X	X	X	X	X	X	X	X	X	X	X			
10		WT																X	X	X	X	X	X	X	X	X	X	X			
11		WT																X	X	X	X	X	X	X	X	X	X	X			
12																		X	X	X	X	X	X	X	X	X	X	X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILL JR ATLAS	11.10	1347		11/10/23	1347	[illegible]	Y	N	Y
6020 - Be,Co, As, Se, Sb (5)										
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)										
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN A. MAGILL JR

SIGNATURE of SAMPLER: [signature]

DATE Signed: 11.10.23

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/10/23 1635 LR

1. **Courier:** ☐ FED EX ☐ UPS ☒ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☒ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G (H)

4. **Cooler Temperature(s):** 1.3/1.3 | 1.0/1.0 | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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)		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:** NO3	X	X LR 11/6				
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			X
Rush TAT Requested (4 days or less):		X	Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Custody Signatures Present?	X		Headspace Wisconsin Sulfide?			X
Containers Intact?:	X		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent X
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		Trip Blank Present?		X	
Extra labels on Terracore Vials? (soils only)		X	Trip Blank Custody Seals?:			X

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED 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	1			2	2	1	1	1	1		1				SW	✓	✓		✓
2												↓	↓			↓	↓	↓	↓	↓	↓		↓					↓	↓		↓
3												↓	↓			↓	↓	↓	↓	↓	↓		↓				↓	↓	↓		↓
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

F-IN-Q-270-rev.18, 26Jun2023

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

January 24, 2024

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

RE: Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2023. 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,

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: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359596001	**MW-106S**	Water	11/13/23 14:00	11/13/23 16:33
50359596002	**MW-106D**	Water	11/13/23 11:35	11/13/23 16:33
50359596003	**MW-105S**	Water	11/13/23 12:35	11/13/23 16:33
50359596004	**MW-105I**	Water	11/13/23 14:44	11/13/23 16:33
50359596005	**MW-108S**	Water	11/13/23 13:50	11/13/23 16:33
50359596006	**MW-108D**	Water	11/13/23 12:25	11/13/23 16:33
50359596007	**DUP-5**	Water	11/13/23 08:00	11/13/23 16:33

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359596001	**MW-106S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359596002	**MW-106D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359596003	**MW-105S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359596004	**MW-105I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359596005	**MW-108S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359596006	**MW-108D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359596007	**DUP-5**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	ELK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359596001	**MW-106S**					
EPA 9056	Chloride	49.5	mg/L	2.5	11/29/23 12:39	
EPA 9056	Fluoride	0.42	mg/L	0.10	11/29/23 12:22	
EPA 9056	Sulfate	717	mg/L	25.0	11/29/23 12:56	
EPA 6010	Aluminum	993	ug/L	200	11/28/23 21:31	
EPA 6010	Barium	32.9	ug/L	10.0	11/28/23 21:31	
EPA 6010	Boron	2780	ug/L	100	11/28/23 21:31	
EPA 6010	Calcium	255000	ug/L	2000	11/28/23 22:06	
EPA 6010	Iron	2600	ug/L	100	11/28/23 21:31	
EPA 6010	Lithium	41.8	ug/L	20.0	11/28/23 21:31	
EPA 6010	Magnesium	100000	ug/L	1000	11/28/23 21:31	
EPA 6010	Manganese	955	ug/L	10.0	11/28/23 21:31	
EPA 6010	Molybdenum	19.6	ug/L	10.0	11/28/23 21:31	
EPA 6010	Potassium	8420	ug/L	1000	11/28/23 21:31	
EPA 6010	Silica	12800	ug/L	450	11/28/23 21:31	N2
EPA 6010	Sodium	43900	ug/L	1000	11/28/23 21:31	
EPA 6010	Manganese, Dissolved	954	ug/L	10.0	11/27/23 16:26	
EPA 6010	Molybdenum, Dissolved	18.7	ug/L	10.0	11/27/23 16:26	
EPA 6020	Arsenic	2.5	ug/L	1.0	11/23/23 01:35	
EPA 6020	Cobalt	1.7	ug/L	1.0	11/23/23 01:35	
EPA 903.1	Radium-226	-0.234 ± 0.507 (1.17) C:NA T:91%	pCi/L		12/09/23 13:46	
EPA 904.0	Radium-228	0.573 ± 0.359 (0.654) C:79% T:77%	pCi/L		12/05/23 12:08	
Total Radium Calculation	Total Radium	0.573 ± 0.866 (1.82)	pCi/L		12/11/23 15:35	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	11/17/23 02:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	11/17/23 02:55	
SM 2540C	Total Dissolved Solids	1370	mg/L	20.0	11/17/23 11:06	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/30/23 11:45	H3
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	11/22/23 03:40	
50359596002	**MW-106D**					
EPA 9056	Chloride	220	mg/L	25.0	11/29/23 13:46	
EPA 9056	Fluoride	0.25	mg/L	0.10	11/29/23 13:12	
EPA 9056	Sulfate	556	mg/L	25.0	11/29/23 13:46	
EPA 6010	Barium	29.7	ug/L	10.0	11/28/23 21:33	
EPA 6010	Boron	12500	ug/L	100	11/28/23 21:33	
EPA 6010	Calcium	229000	ug/L	2000	11/28/23 22:07	
EPA 6010	Iron	3760	ug/L	100	11/28/23 21:33	
EPA 6010	Lithium	93.1	ug/L	20.0	11/28/23 21:33	
EPA 6010	Magnesium	49100	ug/L	1000	11/28/23 21:33	
EPA 6010	Manganese	298	ug/L	10.0	11/28/23 21:33	
EPA 6010	Molybdenum	270	ug/L	10.0	11/28/23 21:33	
EPA 6010	Potassium	13000	ug/L	1000	11/28/23 21:33	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359596002	**MW-106D**					
EPA 6010	Silica	15300	ug/L	450	11/28/23 21:33	N2
EPA 6010	Sodium	178000	ug/L	1000	11/28/23 21:33	
EPA 6010	Iron, Dissolved	3980	ug/L	100	11/27/23 16:27	
EPA 6010	Manganese, Dissolved	330	ug/L	10.0	11/27/23 16:27	
EPA 6010	Molybdenum, Dissolved	273	ug/L	10.0	11/27/23 16:27	
EPA 6020	Arsenic	163	ug/L	1.0	11/23/23 01:38	
EPA 903.1	Radium-226	0.411 ± 0.572 (0.966) C:NA T:96%	pCi/L		12/09/23 13:46	
EPA 904.0	Radium-228	0.667 ± 0.381 (0.676) C:74% T:80%	pCi/L		12/05/23 12:05	
Total Radium Calculation	Total Radium	1.08 ± 0.953 (1.64)	pCi/L		12/11/23 15:35	
SM 2320B	Alkalinity, Total as CaCO3	249	mg/L	10.0	11/17/23 02:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	249	mg/L	10.0	11/17/23 02:55	
SM 2540C	Total Dissolved Solids	1440	mg/L	20.0	11/17/23 11:06	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/30/23 11:46	H3
HACH 8146	Iron, Ferrous	0.48	mg/L	0.20	11/16/23 14:35	H3,N2
EPA 365.1	Phosphate as P04	0.81	mg/L	0.15	11/30/23 15:08	
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	2.0	11/22/23 11:44	
50359596003	**MW-105S**					
EPA 9056	Chloride	141	mg/L	2.5	11/29/23 07:35	
EPA 9056	Fluoride	0.26	mg/L	0.10	11/29/23 07:18	
EPA 9056	Sulfate	1100	mg/L	25.0	11/29/23 07:52	
EPA 6010	Barium	33.0	ug/L	10.0	11/28/23 21:34	
EPA 6010	Boron	26600	ug/L	100	11/28/23 21:34	
EPA 6010	Calcium	409000	ug/L	5000	11/28/23 22:08	
EPA 6010	Iron	9950	ug/L	100	11/28/23 21:34	
EPA 6010	Lithium	341	ug/L	20.0	11/28/23 21:34	
EPA 6010	Magnesium	97800	ug/L	1000	11/28/23 21:34	
EPA 6010	Manganese	204	ug/L	10.0	11/28/23 21:34	
EPA 6010	Molybdenum	76.7	ug/L	10.0	11/28/23 21:34	
EPA 6010	Potassium	19700	ug/L	1000	11/28/23 21:34	
EPA 6010	Silica	18000	ug/L	450	11/28/23 21:34	N2
EPA 6010	Sodium	149000	ug/L	1000	11/28/23 21:34	
EPA 6010	Iron, Dissolved	10100	ug/L	100	11/27/23 16:28	
EPA 6010	Manganese, Dissolved	211	ug/L	10.0	11/27/23 16:28	
EPA 6010	Molybdenum, Dissolved	73.2	ug/L	10.0	11/27/23 16:28	
EPA 6020	Arsenic	6.0	ug/L	1.0	11/23/23 01:42	
EPA 903.1	Radium-226	0.267 ± 0.491 (0.876) C:NA T:95%	pCi/L		12/09/23 13:46	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359596003	**MW-105S**					
EPA 904.0	Radium-228	0.682 ± 0.350 (0.601) C:81% T:88%	pCi/L		12/05/23 12:05	
Total Radium Calculation	Total Radium	0.949 ± 0.841 (1.48)	pCi/L		12/11/23 15:35	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	11/17/23 02:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	11/17/23 02:55	
SM 2540C	Total Dissolved Solids	2080	mg/L	40.0	11/17/23 11:07	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/30/23 11:47	H3
HACH 8146	Iron, Ferrous	1.5	mg/L	0.50	11/16/23 14:37	H3,N2
SM 5310C	Total Organic Carbon	1.5	mg/L	1.0	11/22/23 17:11	
SM 5310C	Dissolved Organic Carbon	2.4	mg/L	1.0	11/22/23 04:34	
50359596004	**MW-105I**					
EPA 9056	Chloride	95.3	mg/L	2.5	11/29/23 08:25	
EPA 9056	Fluoride	0.12	mg/L	0.10	11/29/23 08:09	
EPA 9056	Sulfate	60.1	mg/L	2.5	11/29/23 08:25	
EPA 6010	Barium	299	ug/L	10.0	11/28/23 21:39	
EPA 6010	Boron	298	ug/L	100	11/28/23 21:39	
EPA 6010	Calcium	103000	ug/L	1000	11/28/23 21:39	
EPA 6010	Iron	4830	ug/L	100	11/28/23 21:39	
EPA 6010	Magnesium	24900	ug/L	1000	11/28/23 21:39	
EPA 6010	Manganese	128	ug/L	10.0	11/28/23 21:39	
EPA 6010	Potassium	5490	ug/L	1000	11/28/23 21:39	
EPA 6010	Silica	13000	ug/L	450	11/28/23 21:39	N2
EPA 6010	Sodium	65800	ug/L	1000	11/28/23 21:39	
EPA 6010	Iron, Dissolved	4700	ug/L	100	11/27/23 16:30	
EPA 6010	Manganese, Dissolved	132	ug/L	10.0	11/27/23 16:30	
EPA 903.1	Radium-226	1.20 ± 0.703 (0.890) C:NA T:100%	pCi/L		12/09/23 13:46	
EPA 904.0	Radium-228	0.699 ± 0.451 (0.867) C:81% T:83%	pCi/L		12/05/23 12:05	
Total Radium Calculation	Total Radium	1.90 ± 1.15 (1.76)	pCi/L		12/11/23 15:35	
SM 2320B	Alkalinity, Total as CaCO3	300	mg/L	10.0	11/17/23 02:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	300	mg/L	10.0	11/17/23 02:55	
SM 2540C	Total Dissolved Solids	526	mg/L	10.0	11/17/23 11:07	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/30/23 11:47	H3
HACH 8146	Iron, Ferrous	0.27	mg/L	0.20	11/16/23 14:39	H3,N2
EPA 365.1	Phosphate as P04	0.26	mg/L	0.15	11/30/23 15:10	
SM 5310C	Total Organic Carbon	1.9	mg/L	1.0	11/22/23 17:30	
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	1.0	11/22/23 04:45	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359596005	**MW-108S**					
EPA 9056	Chloride	167	mg/L	2.5	11/29/23 09:16	
EPA 9056	Fluoride	0.77	mg/L	0.10	11/29/23 08:59	
EPA 9056	Sulfate	900	mg/L	25.0	11/29/23 09:33	
EPA 6010	Barium	36.2	ug/L	10.0	11/28/23 21:40	
EPA 6010	Boron	2160	ug/L	100	11/28/23 21:40	
EPA 6010	Calcium	309000	ug/L	2000	11/28/23 22:10	
EPA 6010	Iron	5930	ug/L	100	11/28/23 21:40	
EPA 6010	Lithium	74.8	ug/L	20.0	11/28/23 21:40	
EPA 6010	Magnesium	118000	ug/L	1000	11/28/23 21:40	
EPA 6010	Manganese	584	ug/L	10.0	11/28/23 21:40	
EPA 6010	Molybdenum	88.5	ug/L	10.0	11/28/23 21:40	
EPA 6010	Potassium	13900	ug/L	1000	11/28/23 21:40	
EPA 6010	Silica	14900	ug/L	450	11/28/23 21:40	N2
EPA 6010	Sodium	123000	ug/L	1000	11/28/23 21:40	
EPA 6010	Iron, Dissolved	6210	ug/L	100	11/27/23 16:31	
EPA 6010	Manganese, Dissolved	626	ug/L	10.0	11/27/23 16:31	
EPA 6010	Molybdenum, Dissolved	87.0	ug/L	10.0	11/27/23 16:31	
EPA 903.1	Radium-226	0.449 ± 0.659 (1.12) C:NA T:91%	pCi/L		12/09/23 13:46	
EPA 904.0	Radium-228	1.43 ± 0.549 (0.836) C:77% T:80%	pCi/L		12/05/23 12:06	
Total Radium Calculation	Total Radium	1.88 ± 1.21 (1.96)	pCi/L		12/11/23 15:35	
SM 2320B	Alkalinity, Total as CaCO3	327	mg/L	10.0	11/17/23 02:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	327	mg/L	10.0	11/17/23 02:55	
SM 2540C	Total Dissolved Solids	1940	mg/L	40.0	11/17/23 11:07	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/30/23 11:48	H3
HACH 8146	Iron, Ferrous	0.67	mg/L	0.20	11/16/23 14:38	H3,N2
EPA 365.1	Phosphate as P04	0.16	mg/L	0.15	11/30/23 15:11	
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	11/22/23 04:56	
50359596006	**MW-108D**					
EPA 9056	Chloride	226	mg/L	2.5	11/29/23 14:37	
EPA 9056	Fluoride	0.47	mg/L	0.10	11/29/23 10:24	
EPA 9056	Sulfate	634	mg/L	25.0	11/29/23 14:54	
EPA 6010	Barium	41.2	ug/L	10.0	11/28/23 21:41	
EPA 6010	Boron	6000	ug/L	100	11/28/23 21:41	
EPA 6010	Calcium	245000	ug/L	2000	11/28/23 22:28	
EPA 6010	Iron	6420	ug/L	100	11/28/23 21:41	
EPA 6010	Lithium	72.9	ug/L	20.0	11/28/23 21:41	
EPA 6010	Magnesium	69100	ug/L	1000	11/28/23 21:41	
EPA 6010	Manganese	436	ug/L	10.0	11/28/23 21:41	
EPA 6010	Molybdenum	125	ug/L	10.0	11/28/23 21:41	
EPA 6010	Potassium	11600	ug/L	1000	11/28/23 21:41	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359596006	**MW-108D**					
EPA 6010	Silica	14500	ug/L	450	11/28/23 21:41	N2
EPA 6010	Sodium	150000	ug/L	1000	11/28/23 21:41	
EPA 6010	Iron, Dissolved	6950	ug/L	100	11/27/23 16:33	
EPA 6010	Manganese, Dissolved	484	ug/L	10.0	11/27/23 16:33	
EPA 6010	Molybdenum, Dissolved	127	ug/L	10.0	11/27/23 16:33	
EPA 903.1	Radium-226	-0.385 ± 0.455 (1.16) C:NA T:89%	pCi/L		12/09/23 13:46	
EPA 904.0	Radium-228	0.933 ± 0.499 (0.908) C:79% T:79%	pCi/L		12/05/23 12:06	
Total Radium Calculation	Total Radium	0.933 ± 0.954 (2.07)	pCi/L		12/11/23 15:35	
SM 2320B	Alkalinity, Total as CaCO3	237	mg/L	10.0	11/17/23 02:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	237	mg/L	10.0	11/17/23 02:55	
SM 2540C	Total Dissolved Solids	1590	mg/L	20.0	11/17/23 11:07	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/30/23 11:48	H3
EPA 365.1	Phosphate as P04	0.30	mg/L	0.15	11/30/23 15:11	
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	2.0	11/22/23 11:55	
50359596007	**DUP-5**					
EPA 9056	Chloride	141	mg/L	2.5	11/29/23 15:28	
EPA 9056	Fluoride	0.26	mg/L	0.10	11/29/23 15:11	
EPA 9056	Sulfate	1110	mg/L	25.0	11/29/23 15:44	
EPA 6010	Barium	32.0	ug/L	10.0	11/28/23 21:43	
EPA 6010	Boron	25600	ug/L	100	11/28/23 21:43	
EPA 6010	Calcium	394000	ug/L	5000	11/28/23 22:29	
EPA 6010	Iron	9680	ug/L	100	11/28/23 21:43	
EPA 6010	Lithium	331	ug/L	20.0	11/28/23 21:43	
EPA 6010	Magnesium	96600	ug/L	1000	11/28/23 21:43	
EPA 6010	Manganese	198	ug/L	10.0	11/28/23 21:43	
EPA 6010	Molybdenum	73.9	ug/L	10.0	11/28/23 21:43	
EPA 6010	Potassium	19200	ug/L	1000	11/28/23 21:43	
EPA 6010	Silica	17400	ug/L	450	11/28/23 21:43	N2
EPA 6010	Sodium	145000	ug/L	1000	11/28/23 21:43	
EPA 6010	Iron, Dissolved	10100	ug/L	100	11/27/23 16:34	
EPA 6010	Manganese, Dissolved	211	ug/L	10.0	11/27/23 16:34	
EPA 6010	Molybdenum, Dissolved	72.1	ug/L	10.0	11/27/23 16:34	
EPA 6020	Arsenic	5.6	ug/L	1.0	11/23/23 02:22	
EPA 903.1	Radium-226	0.584 ± 0.705 (1.16) C:NA T:87%	pCi/L		12/09/23 13:46	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359596007	**DUP-5**					
EPA 904.0	Radium-228	0.903 ± 0.489 (0.900) C:79% T:83%	pCi/L		12/05/23 12:06	
Total Radium Calculation	Total Radium	1.49 ± 1.19 (2.06)	pCi/L		12/11/23 15:35	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	11/17/23 02:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	11/17/23 02:55	
SM 2540C	Total Dissolved Solids	2140	mg/L	40.0	11/17/23 11:08	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/30/23 11:49	H3
HACH 8146	Iron, Ferrous	1.0	mg/L	0.20	11/16/23 14:34	H3,N2
SM 5310C	Total Organic Carbon	1.5	mg/L	1.0	11/22/23 20:05	
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	11/22/23 05:19	

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-106S **Lab ID: 50359596001** Collected: 11/13/23 14:00 Received: 11/13/23 16:33 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	**49.5**	mg/L	2.5	0.67	10		11/29/23 12:39	16887-00-6	
Fluoride	**0.42**	mg/L	0.10	0.017	1		11/29/23 12:22	16984-48-8	
Sulfate	**717**	mg/L	25.0	19.0	100		11/29/23 12:56	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	**993**	ug/L	200	14.1	1	11/21/23 16:10	11/28/23 21:31	7429-90-5	
Barium	**32.9**	ug/L	10.0	0.45	1	11/21/23 16:10	11/28/23 21:31	7440-39-3	
Boron	**2780**	ug/L	100	6.2	1	11/21/23 16:10	11/28/23 21:31	7440-42-8	
Calcium	**255000**	ug/L	2000	135	2	11/21/23 16:10	11/28/23 22:06	7440-70-2	
Iron	**2600**	ug/L	100	30.0	1	11/21/23 16:10	11/28/23 21:31	7439-89-6	
Lithium	**41.8**	ug/L	20.0	6.8	1	11/21/23 16:10	11/28/23 21:31	7439-93-2	
Magnesium	**100000**	ug/L	1000	33.6	1	11/21/23 16:10	11/28/23 21:31	7439-95-4	
Manganese	**955**	ug/L	10.0	1.8	1	11/21/23 16:10	11/28/23 21:31	7439-96-5	
Molybdenum	**19.6**	ug/L	10.0	0.78	1	11/21/23 16:10	11/28/23 21:31	7439-98-7	
Potassium	**8420**	ug/L	1000	97.8	1	11/21/23 16:10	11/28/23 21:31	7440-09-7	
Silica	**12800**	ug/L	450		1	11/21/23 16:10	11/28/23 21:31	7631-86-9	N2
Sodium	**43900**	ug/L	1000	54.8	1	11/21/23 16:10	11/28/23 21:31	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	ND	ug/L	100	30.0	1	11/26/23 17:41	11/27/23 16:26	7439-89-6	
Manganese, Dissolved	**954**	ug/L	10.0	1.8	1	11/26/23 17:41	11/27/23 16:26	7439-96-5	
Molybdenum, Dissolved	**18.7**	ug/L	10.0	0.78	1	11/26/23 17:41	11/27/23 16:26	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	0.49	1	11/22/23 07:28	11/23/23 01:35	7440-36-0	
Arsenic	**2.5**	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 01:35	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 01:35	7440-41-7	
Cobalt	**1.7**	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 01:35	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 01:35	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**258**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 02:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1370**	mg/L	20.0	20.0	1		11/17/23 11:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-106S **Lab ID: 50359596001** Collected: 11/13/23 14:00 Received: 11/13/23 16:33 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	**7.0**	Std. Units	0.10	0.10	1		11/30/23 11:45		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 16:28	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/16/23 14:38	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/14/23 00:57	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/14/23 00:57	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/29/23 14:30	11/30/23 15:07		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/22/23 16:24	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/22/23 03:40		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-106D **Lab ID: 50359596002** Collected: 11/13/23 11:35 Received: 11/13/23 16:33 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	**220**	mg/L	25.0	6.7	100		11/29/23 13:46	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.017	1		11/29/23 13:12	16984-48-8	
Sulfate	**556**	mg/L	25.0	19.0	100		11/29/23 13:46	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/21/23 16:10	11/28/23 21:33	7429-90-5	
Barium	**29.7**	ug/L	10.0	0.45	1	11/21/23 16:10	11/28/23 21:33	7440-39-3	
Boron	**12500**	ug/L	100	6.2	1	11/21/23 16:10	11/28/23 21:33	7440-42-8	
Calcium	**229000**	ug/L	2000	135	2	11/21/23 16:10	11/28/23 22:07	7440-70-2	
Iron	**3760**	ug/L	100	30.0	1	11/21/23 16:10	11/28/23 21:33	7439-89-6	
Lithium	**93.1**	ug/L	20.0	6.8	1	11/21/23 16:10	11/28/23 21:33	7439-93-2	
Magnesium	**49100**	ug/L	1000	33.6	1	11/21/23 16:10	11/28/23 21:33	7439-95-4	
Manganese	**298**	ug/L	10.0	1.8	1	11/21/23 16:10	11/28/23 21:33	7439-96-5	
Molybdenum	**270**	ug/L	10.0	0.78	1	11/21/23 16:10	11/28/23 21:33	7439-98-7	
Potassium	**13000**	ug/L	1000	97.8	1	11/21/23 16:10	11/28/23 21:33	7440-09-7	
Silica	**15300**	ug/L	450		1	11/21/23 16:10	11/28/23 21:33	7631-86-9	N2
Sodium	**178000**	ug/L	1000	54.8	1	11/21/23 16:10	11/28/23 21:33	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3980**	ug/L	100	30.0	1	11/26/23 17:41	11/27/23 16:27	7439-89-6	
Manganese, Dissolved	**330**	ug/L	10.0	1.8	1	11/26/23 17:41	11/27/23 16:27	7439-96-5	
Molybdenum, Dissolved	**273**	ug/L	10.0	0.78	1	11/26/23 17:41	11/27/23 16:27	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	0.49	1	11/22/23 07:28	11/23/23 01:38	7440-36-0	
Arsenic	**163**	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 01:38	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 01:38	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 01:38	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 01:38	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		11/17/23 02:55		
Alkalinity,Bicarbonate (CaCO3)	**249**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 02:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1440**	mg/L	20.0	20.0	1		11/17/23 11:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-106D **Lab ID: 50359596002** Collected: 11/13/23 11:35 Received: 11/13/23 16:33 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	**7.0**	Std. Units	0.10	0.10	1		11/30/23 11:46		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 16:28	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.48**	mg/L	0.20	0.035	1		11/16/23 14:35	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/14/23 00:39	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/14/23 00:39	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.81**	mg/L	0.15	0.15	1	11/29/23 14:30	11/30/23 15:08		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/27/23 13:39	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.5**	mg/L	2.0	0.47	2		11/22/23 11:44		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-105S **Lab ID: 50359596003** Collected: 11/13/23 12:35 Received: 11/13/23 16:33 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	0.67	10		11/29/23 07:35	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		11/29/23 07:18	16984-48-8	
Sulfate	**1100**	mg/L	25.0	19.0	100		11/29/23 07:52	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/21/23 16:10	11/28/23 21:34	7429-90-5	
Barium	**33.0**	ug/L	10.0	0.45	1	11/21/23 16:10	11/28/23 21:34	7440-39-3	
Boron	**26600**	ug/L	100	6.2	1	11/21/23 16:10	11/28/23 21:34	7440-42-8	
Calcium	**409000**	ug/L	5000	338	5	11/21/23 16:10	11/28/23 22:08	7440-70-2	
Iron	**9950**	ug/L	100	30.0	1	11/21/23 16:10	11/28/23 21:34	7439-89-6	
Lithium	**341**	ug/L	20.0	6.8	1	11/21/23 16:10	11/28/23 21:34	7439-93-2	
Magnesium	**97800**	ug/L	1000	33.6	1	11/21/23 16:10	11/28/23 21:34	7439-95-4	
Manganese	**204**	ug/L	10.0	1.8	1	11/21/23 16:10	11/28/23 21:34	7439-96-5	
Molybdenum	**76.7**	ug/L	10.0	0.78	1	11/21/23 16:10	11/28/23 21:34	7439-98-7	
Potassium	**19700**	ug/L	1000	97.8	1	11/21/23 16:10	11/28/23 21:34	7440-09-7	
Silica	**18000**	ug/L	450		1	11/21/23 16:10	11/28/23 21:34	7631-86-9	N2
Sodium	**149000**	ug/L	1000	54.8	1	11/21/23 16:10	11/28/23 21:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**10100**	ug/L	100	30.0	1	11/26/23 17:41	11/27/23 16:28	7439-89-6	
Manganese, Dissolved	**211**	ug/L	10.0	1.8	1	11/26/23 17:41	11/27/23 16:28	7439-96-5	
Molybdenum, Dissolved	**73.2**	ug/L	10.0	0.78	1	11/26/23 17:41	11/27/23 16:28	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	0.49	1	11/22/23 07:28	11/23/23 01:42	7440-36-0	
Arsenic	**6.0**	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 01:42	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 01:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 01:42	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 01:42	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**258**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 02:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**2080**	mg/L	40.0	40.0	1		11/17/23 11:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-105S **Lab ID: 50359596003** Collected: 11/13/23 12:35 Received: 11/13/23 16:33 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	**7.0**	Std. Units	0.10	0.10	1		11/30/23 11:47		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 16:28	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.5**	mg/L	0.50	0.088	2.5		11/16/23 14:37	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/14/23 00:48	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/14/23 00:48	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/29/23 14:30	11/30/23 15:10		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.5**	mg/L	1.0	0.24	1		11/22/23 17:11	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.4**	mg/L	1.0	0.24	1		11/22/23 04:34		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-105I **Lab ID: 50359596004** Collected: 11/13/23 14:44 Received: 11/13/23 16:33 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	**95.3**	mg/L	2.5	0.67	10		11/29/23 08:25	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.017	1		11/29/23 08:09	16984-48-8	
Sulfate	**60.1**	mg/L	2.5	1.9	10		11/29/23 08:25	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/21/23 16:10	11/28/23 21:39	7429-90-5	
Barium	**299**	ug/L	10.0	0.45	1	11/21/23 16:10	11/28/23 21:39	7440-39-3	
Boron	**298**	ug/L	100	6.2	1	11/21/23 16:10	11/28/23 21:39	7440-42-8	
Calcium	**103000**	ug/L	1000	67.7	1	11/21/23 16:10	11/28/23 21:39	7440-70-2	
Iron	**4830**	ug/L	100	30.0	1	11/21/23 16:10	11/28/23 21:39	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/21/23 16:10	11/28/23 21:39	7439-93-2	
Magnesium	**24900**	ug/L	1000	33.6	1	11/21/23 16:10	11/28/23 21:39	7439-95-4	
Manganese	**128**	ug/L	10.0	1.8	1	11/21/23 16:10	11/28/23 21:39	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/21/23 16:10	11/28/23 21:39	7439-98-7	
Potassium	**5490**	ug/L	1000	97.8	1	11/21/23 16:10	11/28/23 21:39	7440-09-7	
Silica	**13000**	ug/L	450		1	11/21/23 16:10	11/28/23 21:39	7631-86-9	N2
Sodium	**65800**	ug/L	1000	54.8	1	11/21/23 16:10	11/28/23 21:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**4700**	ug/L	100	30.0	1	11/26/23 17:41	11/27/23 16:30	7439-89-6	
Manganese, Dissolved	**132**	ug/L	10.0	1.8	1	11/26/23 17:41	11/27/23 16:30	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/26/23 17:41	11/27/23 16:30	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	0.49	1	11/22/23 07:28	11/23/23 01:45	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 01:45	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 01:45	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 01:45	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 01:45	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		11/17/23 02:55		
Alkalinity,Bicarbonate (CaCO3)	**300**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 02:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**526**	mg/L	10.0	10.0	1		11/17/23 11:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-105I **Lab ID: 50359596004** Collected: 11/13/23 14:44 Received: 11/13/23 16:33 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	**7.2**	Std. Units	0.10	0.10	1		11/30/23 11:47		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 16:28	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.27**	mg/L	0.20	0.035	1		11/16/23 14:39	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/14/23 00:59	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/14/23 00:59	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.26**	mg/L	0.15	0.15	1	11/29/23 14:30	11/30/23 15:10		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.9**	mg/L	1.0	0.24	1		11/22/23 17:30	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	1.0	0.24	1		11/22/23 04:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-108S **Lab ID: 50359596005** Collected: 11/13/23 13:50 Received: 11/13/23 16:33 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	**167**	mg/L	2.5	0.67	10		11/29/23 09:16	16887-00-6	
Fluoride	**0.77**	mg/L	0.10	0.017	1		11/29/23 08:59	16984-48-8	
Sulfate	**900**	mg/L	25.0	19.0	100		11/29/23 09:33	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/21/23 16:10	11/28/23 21:40	7429-90-5	
Barium	**36.2**	ug/L	10.0	0.45	1	11/21/23 16:10	11/28/23 21:40	7440-39-3	
Boron	**2160**	ug/L	100	6.2	1	11/21/23 16:10	11/28/23 21:40	7440-42-8	
Calcium	**309000**	ug/L	2000	135	2	11/21/23 16:10	11/28/23 22:10	7440-70-2	
Iron	**5930**	ug/L	100	30.0	1	11/21/23 16:10	11/28/23 21:40	7439-89-6	
Lithium	**74.8**	ug/L	20.0	6.8	1	11/21/23 16:10	11/28/23 21:40	7439-93-2	
Magnesium	**118000**	ug/L	1000	33.6	1	11/21/23 16:10	11/28/23 21:40	7439-95-4	
Manganese	**584**	ug/L	10.0	1.8	1	11/21/23 16:10	11/28/23 21:40	7439-96-5	
Molybdenum	**88.5**	ug/L	10.0	0.78	1	11/21/23 16:10	11/28/23 21:40	7439-98-7	
Potassium	**13900**	ug/L	1000	97.8	1	11/21/23 16:10	11/28/23 21:40	7440-09-7	
Silica	**14900**	ug/L	450		1	11/21/23 16:10	11/28/23 21:40	7631-86-9	N2
Sodium	**123000**	ug/L	1000	54.8	1	11/21/23 16:10	11/28/23 21:40	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**6210**	ug/L	100	30.0	1	11/26/23 17:41	11/27/23 16:31	7439-89-6	
Manganese, Dissolved	**626**	ug/L	10.0	1.8	1	11/26/23 17:41	11/27/23 16:31	7439-96-5	
Molybdenum, Dissolved	**87.0**	ug/L	10.0	0.78	1	11/26/23 17:41	11/27/23 16:31	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	0.49	1	11/22/23 07:28	11/23/23 01:55	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 01:55	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 01:55	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 01:55	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 01:55	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**327**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Bicarbonate (CaCO3)	**327**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 02:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1940**	mg/L	40.0	40.0	1		11/17/23 11:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-108S **Lab ID: 50359596005** Collected: 11/13/23 13:50 Received: 11/13/23 16:33 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	**7.0**	Std. Units	0.10	0.10	1		11/30/23 11:48		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 16:28	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.67**	mg/L	0.20	0.035	1		11/16/23 14:38	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/14/23 00:56	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/14/23 00:56	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.16**	mg/L	0.15	0.15	1	11/29/23 14:30	11/30/23 15:11		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/27/23 13:01	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.3**	mg/L	1.0	0.24	1		11/22/23 04:56		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-108D **Lab ID: 50359596006** Collected: 11/13/23 12:25 Received: 11/13/23 16:33 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	**226**	mg/L	2.5	0.67	10		11/29/23 14:37	16887-00-6	
Fluoride	**0.47**	mg/L	0.10	0.017	1		11/29/23 10:24	16984-48-8	
Sulfate	**634**	mg/L	25.0	19.0	100		11/29/23 14:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/21/23 16:10	11/28/23 21:41	7429-90-5	
Barium	**41.2**	ug/L	10.0	0.45	1	11/21/23 16:10	11/28/23 21:41	7440-39-3	
Boron	**6000**	ug/L	100	6.2	1	11/21/23 16:10	11/28/23 21:41	7440-42-8	
Calcium	**245000**	ug/L	2000	135	2	11/21/23 16:10	11/28/23 22:28	7440-70-2	
Iron	**6420**	ug/L	100	30.0	1	11/21/23 16:10	11/28/23 21:41	7439-89-6	
Lithium	**72.9**	ug/L	20.0	6.8	1	11/21/23 16:10	11/28/23 21:41	7439-93-2	
Magnesium	**69100**	ug/L	1000	33.6	1	11/21/23 16:10	11/28/23 21:41	7439-95-4	
Manganese	**436**	ug/L	10.0	1.8	1	11/21/23 16:10	11/28/23 21:41	7439-96-5	
Molybdenum	**125**	ug/L	10.0	0.78	1	11/21/23 16:10	11/28/23 21:41	7439-98-7	
Potassium	**11600**	ug/L	1000	97.8	1	11/21/23 16:10	11/28/23 21:41	7440-09-7	
Silica	**14500**	ug/L	450		1	11/21/23 16:10	11/28/23 21:41	7631-86-9	N2
Sodium	**150000**	ug/L	1000	54.8	1	11/21/23 16:10	11/28/23 21:41	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**6950**	ug/L	100	30.0	1	11/26/23 17:41	11/27/23 16:33	7439-89-6	
Manganese, Dissolved	**484**	ug/L	10.0	1.8	1	11/26/23 17:41	11/27/23 16:33	7439-96-5	
Molybdenum, Dissolved	**127**	ug/L	10.0	0.78	1	11/26/23 17:41	11/27/23 16:33	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	0.49	1	11/22/23 07:28	11/23/23 02:19	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 02:19	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 02:19	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 02:19	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 02:19	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		11/17/23 02:55		
Alkalinity,Bicarbonate (CaCO3)	**237**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 02:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1590**	mg/L	20.0	20.0	1		11/17/23 11:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-108D **Lab ID: 50359596006** Collected: 11/13/23 12:25 Received: 11/13/23 16:33 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	**7.0**	Std. Units	0.10	0.10	1		11/30/23 11:48		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 16:28	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/16/23 14:36	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/14/23 00:43	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/14/23 00:43	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.30**	mg/L	0.15	0.15	1	11/29/23 14:30	11/30/23 15:11		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		11/27/23 13:20	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	2.0	0.47	2		11/22/23 11:55		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: DUP-5 **Lab ID: 50359596007** Collected: 11/13/23 08:00 Received: 11/13/23 16:33 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	0.67	10		11/29/23 15:28	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		11/29/23 15:11	16984-48-8	
Sulfate	**1110**	mg/L	25.0	19.0	100		11/29/23 15:44	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/21/23 16:10	11/28/23 21:43	7429-90-5	
Barium	**32.0**	ug/L	10.0	0.45	1	11/21/23 16:10	11/28/23 21:43	7440-39-3	
Boron	**25600**	ug/L	100	6.2	1	11/21/23 16:10	11/28/23 21:43	7440-42-8	
Calcium	**394000**	ug/L	5000	338	5	11/21/23 16:10	11/28/23 22:29	7440-70-2	
Iron	**9680**	ug/L	100	30.0	1	11/21/23 16:10	11/28/23 21:43	7439-89-6	
Lithium	**331**	ug/L	20.0	6.8	1	11/21/23 16:10	11/28/23 21:43	7439-93-2	
Magnesium	**96600**	ug/L	1000	33.6	1	11/21/23 16:10	11/28/23 21:43	7439-95-4	
Manganese	**198**	ug/L	10.0	1.8	1	11/21/23 16:10	11/28/23 21:43	7439-96-5	
Molybdenum	**73.9**	ug/L	10.0	0.78	1	11/21/23 16:10	11/28/23 21:43	7439-98-7	
Potassium	**19200**	ug/L	1000	97.8	1	11/21/23 16:10	11/28/23 21:43	7440-09-7	
Silica	**17400**	ug/L	450		1	11/21/23 16:10	11/28/23 21:43	7631-86-9	N2
Sodium	**145000**	ug/L	1000	54.8	1	11/21/23 16:10	11/28/23 21:43	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**10100**	ug/L	100	30.0	1	11/26/23 17:41	11/27/23 16:34	7439-89-6	
Manganese, Dissolved	**211**	ug/L	10.0	1.8	1	11/26/23 17:41	11/27/23 16:34	7439-96-5	
Molybdenum, Dissolved	**72.1**	ug/L	10.0	0.78	1	11/26/23 17:41	11/27/23 16:34	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	0.49	1	11/22/23 07:28	11/23/23 02:22	7440-36-0	
Arsenic	**5.6**	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 02:22	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 02:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 02:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 02:22	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**258**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		11/17/23 02:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 02:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**2140**	mg/L	40.0	40.0	1		11/17/23 11:08		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: DUP-5 **Lab ID: 50359596007** Collected: 11/13/23 08:00 Received: 11/13/23 16:33 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	**7.0**	Std. Units	0.10	0.10	1		11/30/23 11:49		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/14/23 16:28	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.0**	mg/L	0.20	0.035	1		11/16/23 14:34	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/14/23 00:37	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/14/23 00:37	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/29/23 14:30	11/30/23 15:13		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.5**	mg/L	1.0	0.24	1		11/22/23 20:05	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.1**	mg/L	1.0	0.24	1		11/22/23 05:19		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 764392
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3503777 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	11/30/23 01:18	
Fluoride	mg/L	ND	0.10	0.017	11/30/23 01:18	
Sulfate	mg/L	ND	0.25	0.19	11/30/23 01:18	

LABORATORY CONTROL SAMPLE: 3503778

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	103	80-120	
Sulfate	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503779 3503780

Parameter	Units	50359634007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	12.4	2.5	2.5	15.7	14.9	133	100	80-120	5	15	M0
Fluoride	mg/L	0.70	1	1	1.7	1.7	96	98	80-120	1	15	
Sulfate	mg/L	ND	5	5	7.6	7.5	90	89	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 764138
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3502696 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	11/28/23 21:21	
Barium	ug/L	ND	10.0	0.45	11/28/23 21:21	
Boron	ug/L	ND	100	6.2	11/28/23 21:21	
Calcium	ug/L	ND	1000	67.7	11/28/23 21:21	
Iron	ug/L	ND	100	30.0	11/28/23 21:21	
Lithium	ug/L	ND	20.0	6.8	11/28/23 21:21	
Magnesium	ug/L	ND	1000	33.6	11/28/23 21:21	
Manganese	ug/L	ND	10.0	1.8	11/28/23 21:21	
Molybdenum	ug/L	ND	10.0	0.78	11/28/23 21:21	
Potassium	ug/L	ND	1000	97.8	11/28/23 21:21	
Silica	ug/L	ND	450		11/28/23 21:21	N2
Sodium	ug/L	ND	1000	54.8	11/28/23 21:21	

LABORATORY CONTROL SAMPLE: 3502697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10000	100	80-120	
Barium	ug/L	1000	1020	102	80-120	
Boron	ug/L	1000	966	97	80-120	
Calcium	ug/L	10000	9910	99	80-120	
Iron	ug/L	10000	9990	100	80-120	
Lithium	ug/L	1000	1020	102	80-120	
Magnesium	ug/L	10000	9600	96	80-120	
Manganese	ug/L	1000	951	95	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	9860	99	80-120	
Silica	ug/L	10700	10500	98	80-120	N2
Sodium	ug/L	10000	9660	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3502698 3502699

Parameter	Units	50359566001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10100	10400	99	103	75-125	4	20	
Barium	ug/L	69.5	1000	1000	1080	1130	101	106	75-125	4	20	
Boron	ug/L	ND	1000	1000	1070	1110	99	103	75-125	3	20	
Calcium	ug/L	121000	10000	10000	130000	135000	98	146	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3502698 3502699

Parameter	Units	50359566001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	272	10000	10000	10200	10500	99	102	75-125	3	20	
Lithium	ug/L	ND	1000	1000	1040	1070	103	107	75-125	3	20	
Magnesium	ug/L	40900	10000	10000	50500	52500	97	116	75-125	4	20	
Manganese	ug/L	112	1000	1000	1050	1090	94	97	75-125	3	20	
Molybdenum	ug/L	ND	1000	1000	1020	1050	102	105	75-125	3	20	
Potassium	ug/L	ND	10000	10000	10300	10600	100	103	75-125	3	20	
Silica	ug/L	14600	10700	10700	25500	26500	101	111	75-125	4	20	N2
Sodium	ug/L	4230	10000	10000	14000	14400	98	102	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3502700 3502701

Parameter	Units	50359634007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10100	9810	100	97	75-125	3	20	
Barium	ug/L	298	1000	1000	1320	1290	102	99	75-125	2	20	
Boron	ug/L	113	1000	1000	1090	1070	98	96	75-125	2	20	
Calcium	ug/L	69300	10000	10000	80200	78700	109	94	75-125	2	20	
Iron	ug/L	3790	10000	10000	14000	13600	102	98	75-125	3	20	
Lithium	ug/L	ND	1000	1000	1030	997	102	99	75-125	3	20	
Magnesium	ug/L	39300	10000	10000	49600	48800	103	95	75-125	2	20	
Manganese	ug/L	64.9	1000	1000	1020	990	96	93	75-125	3	20	
Molybdenum	ug/L	33.0	1000	1000	1060	1030	103	100	75-125	3	20	
Potassium	ug/L	1680	10000	10000	11700	11300	100	96	75-125	3	20	
Silica	ug/L	14900	10700	10700	24900	25100	93	95	75-125	1	20	N2
Sodium	ug/L	43000	10000	10000	53400	52500	103	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 764740
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3505233 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/27/23 16:00	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/27/23 16:00	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/27/23 16:00	

LABORATORY CONTROL SAMPLE: 3505234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	10200	102	80-120	
Manganese, Dissolved	ug/L	1000	969	97	80-120	
Molybdenum, Dissolved	ug/L	1000	969	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505235 3505236

Parameter	Units	50359566001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	101	10000	10000	10600	10500	105	104	75-125	1	20	
Manganese, Dissolved	ug/L	88.2	1000	1000	1090	1080	100	99	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1010	1000	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 764329
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3503424 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/23/23 01:15	
Arsenic	ug/L	ND	1.0	0.075	11/23/23 01:15	
Beryllium	ug/L	ND	0.20	0.035	11/23/23 01:15	
Cobalt	ug/L	ND	1.0	0.046	11/23/23 01:15	
Selenium	ug/L	ND	1.0	0.20	11/23/23 01:15	

LABORATORY CONTROL SAMPLE: 3503425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	41.0	102	80-120	
Selenium	ug/L	40	40.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503426 3503427

Parameter	Units	50359596005 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	41.6	41.2	104	103	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.8	38.3	96	95	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.1	38.7	98	97	75-125	1	20	
Cobalt	ug/L	ND	40	40	38.2	37.9	95	94	75-125	1	20	
Selenium	ug/L	ND	40	40	39.3	39.4	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 763517 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3499918 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/17/23 02:55	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/17/23 02:55	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/17/23 02:55	

LABORATORY CONTROL SAMPLE: 3499919

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: 3499920

Parameter	Units	50359439006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	84.2	86.0	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	84.2	86.0	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10.0	ND		20	

SAMPLE DUPLICATE: 3499921

Parameter	Units	50359566001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	340	345	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	340	345	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 763567 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3500099 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/17/23 11:01	

LABORATORY CONTROL SAMPLE: 3500100

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	273	91	80-120	

SAMPLE DUPLICATE: 3500101

Parameter	Units	50359566001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	501	520	4	10	

SAMPLE DUPLICATE: 3500102

Parameter	Units	50359596002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1440	1490	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 765557
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: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

SAMPLE DUPLICATE: 3508186

Parameter	Units	50359596001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.1	0	2	H3

SAMPLE DUPLICATE: 3508187

Parameter	Units	50359670001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 762917 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3496650 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/14/23 16:28	

LABORATORY CONTROL SAMPLE: 3496651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.54	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3496652 3496653

Parameter	Units	50359566001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.47	0.50	94	100	90-110	6	20	

MATRIX SPIKE SAMPLE: 3496654

Parameter	Units	50359596005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.47	92	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 763334
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3498763 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/16/23 14:33	H3,N2

LABORATORY CONTROL SAMPLE: 3498764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.98	98	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498765 3498766

Parameter	Units	50359566001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.1	105	104	90-110	1	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498767 3498768

Parameter	Units	50359710001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.0	1.1	102	105	90-110	3	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 762688 | 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: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3495871 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/14/23 00:26	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/14/23 00:26	

LABORATORY CONTROL SAMPLE: 3495872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	104	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 3495873

Parameter	Units	50359596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	0.95	95	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 3495874

Parameter	Units	50359566001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.6	1	2.7	104	90-110	
Nitrogen, Nitrite	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 765297 | Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 | Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3507153 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/30/23 15:06	

LABORATORY CONTROL SAMPLE: 3507154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507155 3507156

Parameter	Units	50359596002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.81			2.3	2.3				0		

MATRIX SPIKE SAMPLE: 3507157

Parameter	Units	50359605001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	<0.15		1.6			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 764240 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3503025 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/22/23 08:32	

LABORATORY CONTROL SAMPLE: 3503026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503027 3503028

Parameter	Units	50359566001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	10	10	10.1	9.7	96	93	80-120	3	20	

MATRIX SPIKE SAMPLE: 3503029

Parameter	Units	50359594001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	17.9	10	38.3	204	80-120	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 764236 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3503010 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/22/23 02:43	

LABORATORY CONTROL SAMPLE: 3503011

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: 3503012 3503013

Parameter	Units	50359566001 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	10.6	10.8	91	93	80-120	2	20	

MATRIX SPIKE SAMPLE: 3503014

Parameter	Units	50359596001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.9	10	11.2	93	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-106S **Lab ID: 50359596001** Collected: 11/13/23 14:00 Received: 11/13/23 16:33 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	**-0.234 ± 0.507 (1.17) C:NA T:91%**	pCi/L	12/09/23 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.573 ± 0.359 (0.654) C:79% T:77%**	pCi/L	12/05/23 12:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.573 ± 0.866 (1.82)**	pCi/L	12/11/23 15:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-106D **Lab ID: 50359596002** Collected: 11/13/23 11:35 Received: 11/13/23 16:33 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	**0.411 ± 0.572 (0.966) C:NA T:96%**	pCi/L	12/09/23 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.667 ± 0.381 (0.676) C:74% T:80%**	pCi/L	12/05/23 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.08 ± 0.953 (1.64)**	pCi/L	12/11/23 15:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-105S **Lab ID: 50359596003** Collected: 11/13/23 12:35 Received: 11/13/23 16:33 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	**0.267 ± 0.491 (0.876) C:NA T:95%**	pCi/L	12/09/23 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.682 ± 0.350 (0.601) C:81% T:88%**	pCi/L	12/05/23 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.949 ± 0.841 (1.48)**	pCi/L	12/11/23 15:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-105I **Lab ID: 50359596004** Collected: 11/13/23 14:44 Received: 11/13/23 16:33 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	**1.20 ± 0.703 (0.890) C:NA T:100%**	pCi/L	12/09/23 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.699 ± 0.451 (0.867) C:81% T:83%**	pCi/L	12/05/23 12:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.90 ± 1.15 (1.76)**	pCi/L	12/11/23 15:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-108S **Lab ID: 50359596005** Collected: 11/13/23 13:50 Received: 11/13/23 16:33 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	**0.449 ± 0.659 (1.12) C:NA T:91%**	pCi/L	12/09/23 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.43 ± 0.549 (0.836) C:77% T:80%**	pCi/L	12/05/23 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.88 ± 1.21 (1.96)**	pCi/L	12/11/23 15:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: MW-108D **Lab ID: 50359596006** Collected: 11/13/23 12:25 Received: 11/13/23 16:33 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	**-0.385 ± 0.455 (1.16) C:NA T:89%**	pCi/L	12/09/23 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.933 ± 0.499 (0.908) C:79% T:79%**	pCi/L	12/05/23 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.933 ± 0.954 (2.07)**	pCi/L	12/11/23 15:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Sample: DUP-5 **Lab ID: 50359596007** Collected: 11/13/23 08:00 Received: 11/13/23 16:33 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 ± 0.705 (1.16) C:NA T:87%**	pCi/L	12/09/23 13:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.903 ± 0.489 (0.900) C:79% T:83%**	pCi/L	12/05/23 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.49 ± 1.19 (2.06)**	pCi/L	12/11/23 15:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 631045 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: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3076793 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.150 ± 0.294 (0.537) C:NA T:108%	pCi/L	12/09/23 13:46	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

QC Batch: 631047 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: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

METHOD BLANK: 3076796 Matrix: Water
Associated Lab Samples: 50359596001, 50359596002, 50359596003, 50359596004, 50359596005, 50359596006, 50359596007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.321 ± 0.314 (0.640) C:76% T:84%	pCi/L	12/05/23 12:05	

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

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

QUALIFIERS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359596001	**MW-106S**	EPA 9056	764392		
50359596002	**MW-106D**	EPA 9056	764392		
50359596003	**MW-105S**	EPA 9056	764392		
50359596004	**MW-105I**	EPA 9056	764392		
50359596005	**MW-108S**	EPA 9056	764392		
50359596006	**MW-108D**	EPA 9056	764392		
50359596007	**DUP-5**	EPA 9056	764392		
50359596001	**MW-106S**	EPA 3010	764138	EPA 6010	765193
50359596002	**MW-106D**	EPA 3010	764138	EPA 6010	765193
50359596003	**MW-105S**	EPA 3010	764138	EPA 6010	765193
50359596004	**MW-105I**	EPA 3010	764138	EPA 6010	765193
50359596005	**MW-108S**	EPA 3010	764138	EPA 6010	765193
50359596006	**MW-108D**	EPA 3010	764138	EPA 6010	765193
50359596007	**DUP-5**	EPA 3010	764138	EPA 6010	765193
50359596001	**MW-106S**	EPA 3010	764740	EPA 6010	764885
50359596002	**MW-106D**	EPA 3010	764740	EPA 6010	764885
50359596003	**MW-105S**	EPA 3010	764740	EPA 6010	764885
50359596004	**MW-105I**	EPA 3010	764740	EPA 6010	764885
50359596005	**MW-108S**	EPA 3010	764740	EPA 6010	764885
50359596006	**MW-108D**	EPA 3010	764740	EPA 6010	764885
50359596007	**DUP-5**	EPA 3010	764740	EPA 6010	764885
50359596001	**MW-106S**	EPA 200.2	764329	EPA 6020	764580
50359596002	**MW-106D**	EPA 200.2	764329	EPA 6020	764580
50359596003	**MW-105S**	EPA 200.2	764329	EPA 6020	764580
50359596004	**MW-105I**	EPA 200.2	764329	EPA 6020	764580
50359596005	**MW-108S**	EPA 200.2	764329	EPA 6020	764580
50359596006	**MW-108D**	EPA 200.2	764329	EPA 6020	764580
50359596007	**DUP-5**	EPA 200.2	764329	EPA 6020	764580
50359596001	**MW-106S**	EPA 903.1	631045		
50359596002	**MW-106D**	EPA 903.1	631045		
50359596003	**MW-105S**	EPA 903.1	631045		
50359596004	**MW-105I**	EPA 903.1	631045		
50359596005	**MW-108S**	EPA 903.1	631045		
50359596006	**MW-108D**	EPA 903.1	631045		
50359596007	**DUP-5**	EPA 903.1	631045		
50359596001	**MW-106S**	EPA 904.0	631047		
50359596002	**MW-106D**	EPA 904.0	631047		
50359596003	**MW-105S**	EPA 904.0	631047		
50359596004	**MW-105I**	EPA 904.0	631047		
50359596005	**MW-108S**	EPA 904.0	631047		
50359596006	**MW-108D**	EPA 904.0	631047		
50359596007	**DUP-5**	EPA 904.0	631047		
50359596001	**MW-106S**	Total Radium Calculation	635224		
50359596002	**MW-106D**	Total Radium Calculation	635224		
50359596003	**MW-105S**	Total Radium Calculation	635224		
50359596004	**MW-105I**	Total Radium Calculation	635224		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359596005	**MW-108S**	Total Radium Calculation	635224		
50359596006	**MW-108D**	Total Radium Calculation	635224		
50359596007	**DUP-5**	Total Radium Calculation	635224		
50359596001	**MW-106S**	SM 2320B	763517		
50359596002	**MW-106D**	SM 2320B	763517		
50359596003	**MW-105S**	SM 2320B	763517		
50359596004	**MW-105I**	SM 2320B	763517		
50359596005	**MW-108S**	SM 2320B	763517		
50359596006	**MW-108D**	SM 2320B	763517		
50359596007	**DUP-5**	SM 2320B	763517		
50359596001	**MW-106S**	SM 2540C	763567		
50359596002	**MW-106D**	SM 2540C	763567		
50359596003	**MW-105S**	SM 2540C	763567		
50359596004	**MW-105I**	SM 2540C	763567		
50359596005	**MW-108S**	SM 2540C	763567		
50359596006	**MW-108D**	SM 2540C	763567		
50359596007	**DUP-5**	SM 2540C	763567		
50359596001	**MW-106S**	SM 4500-H+B	765557		
50359596002	**MW-106D**	SM 4500-H+B	765557		
50359596003	**MW-105S**	SM 4500-H+B	765557		
50359596004	**MW-105I**	SM 4500-H+B	765557		
50359596005	**MW-108S**	SM 4500-H+B	765557		
50359596006	**MW-108D**	SM 4500-H+B	765557		
50359596007	**DUP-5**	SM 4500-H+B	765557		
50359596001	**MW-106S**	SM 4500-S2-D	762917		
50359596002	**MW-106D**	SM 4500-S2-D	762917		
50359596003	**MW-105S**	SM 4500-S2-D	762917		
50359596004	**MW-105I**	SM 4500-S2-D	762917		
50359596005	**MW-108S**	SM 4500-S2-D	762917		
50359596006	**MW-108D**	SM 4500-S2-D	762917		
50359596007	**DUP-5**	SM 4500-S2-D	762917		
50359596001	**MW-106S**	HACH 8146	763334		
50359596002	**MW-106D**	HACH 8146	763334		
50359596003	**MW-105S**	HACH 8146	763334		
50359596004	**MW-105I**	HACH 8146	763334		
50359596005	**MW-108S**	HACH 8146	763334		
50359596006	**MW-108D**	HACH 8146	763334		
50359596007	**DUP-5**	HACH 8146	763334		
50359596001	**MW-106S**	EPA 353.2	762688		
50359596002	**MW-106D**	EPA 353.2	762688		
50359596003	**MW-105S**	EPA 353.2	762688		
50359596004	**MW-105I**	EPA 353.2	762688		
50359596005	**MW-108S**	EPA 353.2	762688		
50359596006	**MW-108D**	EPA 353.2	762688		
50359596007	**DUP-5**	EPA 353.2	762688		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50359596

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359596001	**MW-106S**	EPA 365.1	765297	EPA 365.1	765531
50359596002	**MW-106D**	EPA 365.1	765297	EPA 365.1	765531
50359596003	**MW-105S**	EPA 365.1	765297	EPA 365.1	765531
50359596004	**MW-105I**	EPA 365.1	765297	EPA 365.1	765531
50359596005	**MW-108S**	EPA 365.1	765297	EPA 365.1	765531
50359596006	**MW-108D**	EPA 365.1	765297	EPA 365.1	765531
50359596007	**DUP-5**	EPA 365.1	765297	EPA 365.1	765531
50359596001	**MW-106S**	SM 5310C	764240		
50359596002	**MW-106D**	SM 5310C	764240		
50359596003	**MW-105S**	SM 5310C	764240		
50359596004	**MW-105I**	SM 5310C	764240		
50359596005	**MW-108S**	SM 5310C	764240		
50359596006	**MW-108D**	SM 5310C	764240		
50359596007	**DUP-5**	SM 5310C	764240		
50359596001	**MW-106S**	SM 5310C	764236		
50359596002	**MW-106D**	SM 5310C	764236		
50359596003	**MW-105S**	SM 5310C	764236		
50359596004	**MW-105I**	SM 5310C	764236		
50359596005	**MW-108S**	SM 5310C	764236		
50359596006	**MW-108D**	SM 5310C	764236		
50359596007	**DUP-5**	SM 5310C	764236		

Pace PIR2

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields mus[t be completed accurately]

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pace[labs.com]

WO#: 50359596

50359596

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	Regulatory Agency
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #:	Pace Profile #: 10498-48	IN

MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

SAMPLE ID: One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532		Residual Chlorine (Y/N)	
1	MW-106S	WT		~~[illegible]~~		11.13.23	1400		11	3	3	4		1					X	X	X	X	X	X	X	X	X	X	X			
2	MW-106D	WT				↓	1135		↓	↓	↓	↓		↓					X	X	X	X	X	X	X	X	X	X	X			
3	MW-105S	WT		~~11.13.23~~			1235												X	X	X	X	X	X	X	X	X	X	X			
4	MW-105I	WT			~~[illegible]~~		1444												X	X	X	X	X	X	X	X	X	X	X			
5	MW-108S	WT			~~1335~~		1350												X	X	X	X	X	X	X	X	X	X	X			
6	MW-108D	WT					1225												X	X	X	X	X	X	X	X	X	X	X			
7	Dup-5	WT				↓	—		↓	↓	↓	↓		↓					X	X	X	X	X	X	X	X	X	X	X			
8		WT																	X	X	X	X	X	X	X	X	X	X	X			
9		WT																	X	X	X	X	X	X	X	X	X	X	X			
10		WT																	X	X	X	X	X	X	X	X	X	X	X			
11		WT																	X	X	X	X	X	X	X	X	X	X	X			
12																			X	X	X	X	X	X	X	X	X	X	X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Kenyon Lowhof	11.13.23	1633	[signature]	11/13/23	16:33	1.0	Y	N	Y
6020 - Be,Co, As, Se, Sb (5)							1.2	↓	↓	↓
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)							1.3			
6010 diss - Fe, Mn, Mo (3)							1.1			
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Erika Valerio, John A. Marcellus, Kenyon Lowhof

SIGNATURE of SAMPLER: [signatures]

DATE Signed: 11.13.23

SHORT HOLD

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: IBTM 11/13/23 17:20

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D (E) F G H

4. **Cooler Temperature(s):** 1.0/1.0 | 1.2/1.2 | 1.3/1.3 | 1./1.
(Initial/Corrected) **RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)**

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other plastic bag

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

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
Headspace Wisconsin Sulfide?			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

COMMENTS:

COC PAGE 1 **of** 1

Sample Container Count

** Place a RED 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	1			2	2	1	1	1	1	1						5	✓	✓		✓
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 14, 2023. 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,

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: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359670001	**MW-110D**	Water	11/14/23 12:15	11/14/23 16:07
50359670002	**Field Blank**	Water	11/14/23 13:25	11/14/23 16:07
50359670003	**MW-103D**	Water	11/14/23 12:10	11/14/23 16:07
50359670004	**MW-105D**	Water	11/14/23 12:48	11/14/23 16:07
50359670005	**MW-103S**	Water	11/14/23 14:20	11/14/23 16:07
50359670006	**MW-103I**	Water	11/14/23 12:25	11/14/23 16:07

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359670001	**MW-110D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359670002	**Field Blank**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359670003	**MW-103D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359670004	**MW-105D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359670005	**MW-103S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359670006	**MW-103I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	MTM	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359670001	**MW-110D**					
EPA 9056	Chloride	176	mg/L	2.5	12/01/23 20:46	
EPA 9056	Fluoride	0.25	mg/L	0.10	12/01/23 20:27	
EPA 9056	Sulfate	344	mg/L	2.5	12/01/23 20:46	
EPA 6010	Barium	57.4	ug/L	10.0	11/29/23 11:05	
EPA 6010	Boron	4440	ug/L	100	11/29/23 11:05	
EPA 6010	Calcium	148000	ug/L	1000	11/29/23 11:05	
EPA 6010	Iron	3230	ug/L	100	11/29/23 11:05	
EPA 6010	Lithium	58.4	ug/L	20.0	11/29/23 11:05	
EPA 6010	Magnesium	43400	ug/L	1000	11/29/23 11:05	
EPA 6010	Manganese	239	ug/L	10.0	11/29/23 11:05	
EPA 6010	Molybdenum	164	ug/L	10.0	11/29/23 11:05	
EPA 6010	Potassium	8680	ug/L	1000	11/29/23 11:05	
EPA 6010	Silica	12100	ug/L	450	11/29/23 11:05	N2
EPA 6010	Sodium	115000	ug/L	1000	11/29/23 11:05	
EPA 6010	Iron, Dissolved	3080	ug/L	100	11/29/23 01:57	
EPA 6010	Manganese, Dissolved	242	ug/L	10.0	11/29/23 01:57	
EPA 6010	Molybdenum, Dissolved	164	ug/L	10.0	11/29/23 01:57	
EPA 6020	Arsenic	1.3	ug/L	1.0	11/27/23 23:04	
EPA 903.1	Radium-226	1.12 ± 0.637 (0.774) C:NA T:89%	pCi/L		12/12/23 13:59	
EPA 904.0	Radium-228	0.427 ± 0.372 (0.749) C:86% T:81%	pCi/L		12/05/23 14:08	
Total Radium Calculation	Total Radium	1.55 ± 1.01 (1.52)	pCi/L		12/12/23 15:14	
SM 2320B	Alkalinity, Total as CaCO3	269	mg/L	10.0	11/17/23 23:16	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	269	mg/L	10.0	11/17/23 23:16	
SM 2540C	Total Dissolved Solids	950	mg/L	10.0	11/20/23 12:26	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/30/23 12:00	H3
HACH 8146	Iron, Ferrous	1.4	mg/L	0.20	11/16/23 15:28	H3,N2
SM 5310C	Total Organic Carbon	2.1	mg/L	1.0	11/29/23 21:00	
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	2.0	11/22/23 13:58	
50359670002	**Field Blank**					
EPA 903.1	Radium-226	-0.140 ± 0.581 (1.22) C:NA T:88%	pCi/L		12/12/23 14:12	
EPA 904.0	Radium-228	0.762 ± 0.389 (0.670) C:87% T:86%	pCi/L		12/05/23 14:08	
Total Radium Calculation	Total Radium	0.762 ± 0.970 (1.89)	pCi/L		12/12/23 15:14	
SM 4500-H+B	pH at 25 Degrees C	8.0	Std. Units	0.10	11/30/23 15:39	H3

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359670003	**MW-103D**					
EPA 9056	Chloride	196	mg/L	2.5	12/01/23 21:22	
EPA 9056	Fluoride	0.16	mg/L	0.10	12/01/23 21:04	
EPA 9056	Sulfate	49.3	mg/L	0.25	12/01/23 21:04	
EPA 6010	Barium	340	ug/L	10.0	11/29/23 11:17	
EPA 6010	Boron	315	ug/L	100	11/29/23 11:17	
EPA 6010	Calcium	86300	ug/L	1000	11/29/23 11:17	
EPA 6010	Iron	2160	ug/L	100	11/29/23 11:17	
EPA 6010	Magnesium	29100	ug/L	1000	11/29/23 11:17	
EPA 6010	Manganese	115	ug/L	10.0	11/29/23 11:17	
EPA 6010	Potassium	5160	ug/L	1000	11/29/23 11:17	
EPA 6010	Silica	12600	ug/L	450	11/29/23 11:17	N2
EPA 6010	Sodium	83100	ug/L	1000	11/29/23 11:17	
EPA 6010	Iron, Dissolved	2310	ug/L	100	11/29/23 01:58	
EPA 6010	Manganese, Dissolved	121	ug/L	10.0	11/29/23 01:58	
EPA 903.1	Radium-226	0.419 ± 0.477 (0.752) C:NA T:85%	pCi/L		12/12/23 14:12	
EPA 904.0	Radium-228	0.838 ± 0.413 (0.694) C:82% T:83%	pCi/L		12/05/23 14:09	
Total Radium Calculation	Total Radium	1.26 ± 0.890 (1.45)	pCi/L		12/12/23 15:14	
SM 2320B	Alkalinity, Total as CaCO3	255	mg/L	10.0	11/17/23 23:16	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	255	mg/L	10.0	11/17/23 23:16	
SM 2540C	Total Dissolved Solids	631	mg/L	10.0	11/20/23 12:26	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	11/30/23 15:40	H3
SM 5310C	Total Organic Carbon	3.6	mg/L	1.0	11/29/23 21:21	
SM 5310C	Dissolved Organic Carbon	4.4	mg/L	1.0	11/22/23 12:17	
50359670004	**MW-105D**					
EPA 9056	Chloride	114	mg/L	2.5	12/01/23 23:31	
EPA 9056	Fluoride	0.26	mg/L	0.10	12/01/23 23:13	
EPA 9056	Sulfate	127	mg/L	2.5	12/01/23 23:31	
EPA 6010	Barium	257	ug/L	10.0	11/29/23 11:18	
EPA 6010	Boron	1460	ug/L	100	11/29/23 11:18	
EPA 6010	Calcium	110000	ug/L	1000	11/29/23 11:18	
EPA 6010	Iron	3600	ug/L	100	11/29/23 11:18	
EPA 6010	Lithium	21.4	ug/L	20.0	11/29/23 11:18	
EPA 6010	Magnesium	27400	ug/L	1000	11/29/23 11:18	
EPA 6010	Manganese	122	ug/L	10.0	11/29/23 11:18	
EPA 6010	Molybdenum	13.0	ug/L	10.0	11/29/23 11:18	
EPA 6010	Potassium	5520	ug/L	1000	11/29/23 11:18	
EPA 6010	Silica	12500	ug/L	450	11/29/23 11:18	N2
EPA 6010	Sodium	67900	ug/L	1000	11/29/23 11:18	
EPA 6010	Iron, Dissolved	2930	ug/L	100	11/29/23 02:00	
EPA 6010	Manganese, Dissolved	126	ug/L	10.0	11/29/23 02:00	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359670004	**MW-105D**					
EPA 6010	Molybdenum, Dissolved	14.5	ug/L	10.0	11/29/23 02:00	
EPA 6020	Arsenic	2.9	ug/L	1.0	11/27/23 23:17	
EPA 903.1	Radium-226	0.758 ± 0.506 (0.628) C:NA T:90%	pCi/L		12/12/23 14:12	
EPA 904.0	Radium-228	0.428 ± 0.383 (0.772) C:84% T:74%	pCi/L		12/05/23 14:09	
Total Radium Calculation	Total Radium	1.19 ± 0.889 (1.40)	pCi/L		12/12/23 15:14	
SM 2320B	Alkalinity, Total as CaCO3	267	mg/L	10.0	11/17/23 23:16	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	267	mg/L	10.0	11/17/23 23:16	
SM 2540C	Total Dissolved Solids	635	mg/L	10.0	11/20/23 12:27	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	11/30/23 15:42	H3
EPA 353.2	Nitrogen, Nitrate	0.19	mg/L	0.10	11/15/23 03:52	
EPA 365.1	Phosphate as P04	0.26	mg/L	0.15	11/30/23 16:30	
SM 5310C	Total Organic Carbon	2.6	mg/L	1.0	11/29/23 21:55	
SM 5310C	Dissolved Organic Carbon	4.0	mg/L	1.0	11/22/23 12:29	
50359670005	**MW-103S**					
EPA 9056	Chloride	52.1	mg/L	2.5	12/02/23 00:08	
EPA 9056	Fluoride	0.22	mg/L	0.10	12/01/23 23:49	
EPA 9056	Sulfate	439	mg/L	2.5	12/02/23 00:08	
EPA 6010	Barium	61.6	ug/L	10.0	11/29/23 11:20	
EPA 6010	Boron	821	ug/L	100	11/29/23 11:20	
EPA 6010	Calcium	261000	ug/L	2000	11/29/23 12:06	
EPA 6010	Iron	14300	ug/L	100	11/29/23 11:20	
EPA 6010	Magnesium	76100	ug/L	1000	11/29/23 11:20	
EPA 6010	Manganese	291	ug/L	10.0	11/29/23 11:20	
EPA 6010	Molybdenum	19.3	ug/L	10.0	11/29/23 11:20	
EPA 6010	Potassium	2130	ug/L	1000	11/29/23 11:20	
EPA 6010	Silica	24000	ug/L	450	11/29/23 11:20	N2
EPA 6010	Sodium	43100	ug/L	1000	11/29/23 11:20	
EPA 6010	Iron, Dissolved	14700	ug/L	100	11/29/23 02:25	
EPA 6010	Manganese, Dissolved	293	ug/L	10.0	11/29/23 02:25	
EPA 6010	Molybdenum, Dissolved	19.7	ug/L	10.0	11/29/23 02:25	
EPA 6020	Arsenic	21.7	ug/L	1.0	11/27/23 23:21	
EPA 6020	Cobalt	2.1	ug/L	1.0	11/27/23 23:21	
EPA 903.1	Radium-226	0.325 ± 0.303 (0.399) C:NA T:92%	pCi/L		12/12/23 14:12	
EPA 904.0	Radium-228	0.200 ± 0.336 (0.732) C:84% T:78%	pCi/L		12/05/23 14:09	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359670005	**MW-103S**					
Total Radium Calculation	Total Radium	0.525 ± 0.639 (1.13)	pCi/L		12/12/23 15:14	
SM 2320B	Alkalinity, Total as CaCO3	584	mg/L	10.0	11/17/23 23:16	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	584	mg/L	10.0	11/17/23 23:16	
SM 2540C	Total Dissolved Solids	1260	mg/L	20.0	11/20/23 12:27	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/30/23 15:43	H3
HACH 8146	Iron, Ferrous	9.4	mg/L	2.5	11/16/23 15:30	H3,N2
EPA 353.2	Nitrogen, Nitrate	0.32	mg/L	0.10	11/15/23 03:56	
SM 5310C	Total Organic Carbon	6.5	mg/L	1.0	11/29/23 22:06	
SM 5310C	Dissolved Organic Carbon	8.4	mg/L	1.0	11/22/23 13:03	
50359670006	**MW-103I**					
EPA 9056	Chloride	235	mg/L	2.5	12/02/23 00:44	
EPA 9056	Fluoride	0.19	mg/L	0.10	12/02/23 00:26	
EPA 9056	Sulfate	14.5	mg/L	0.25	12/02/23 00:26	
EPA 6010	Barium	239	ug/L	10.0	11/29/23 11:21	
EPA 6010	Boron	320	ug/L	100	11/29/23 11:21	
EPA 6010	Calcium	102000	ug/L	1000	11/29/23 11:21	
EPA 6010	Iron	1780	ug/L	100	11/29/23 11:21	
EPA 6010	Magnesium	30700	ug/L	1000	11/29/23 11:21	
EPA 6010	Manganese	327	ug/L	10.0	11/29/23 11:21	
EPA 6010	Potassium	6950	ug/L	1000	11/29/23 11:21	
EPA 6010	Silica	11000	ug/L	450	11/29/23 11:21	N2
EPA 6010	Sodium	90200	ug/L	1000	11/29/23 11:21	
EPA 6010	Iron, Dissolved	1780	ug/L	100	11/29/23 02:26	
EPA 6010	Manganese, Dissolved	335	ug/L	10.0	11/29/23 02:26	
EPA 903.1	Radium-226	1.09 ± 0.666 (0.842) C:NA T:89%	pCi/L		12/12/23 14:12	
EPA 904.0	Radium-228	0.710 ± 0.386 (0.684) C:86% T:83%	pCi/L		12/05/23 14:09	
Total Radium Calculation	Total Radium	1.80 ± 1.05 (1.53)	pCi/L		12/12/23 15:14	
SM 2320B	Alkalinity, Total as CaCO3	293	mg/L	10.0	11/17/23 23:16	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	293	mg/L	10.0	11/17/23 23:16	
SM 2540C	Total Dissolved Solids	341	mg/L	10.0	11/20/23 12:27	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	11/30/23 15:43	H3
HACH 8146	Iron, Ferrous	1.0	mg/L	0.20	11/16/23 15:29	H3,N2
EPA 365.1	Phosphate as P04	0.18	mg/L	0.15	11/30/23 16:33	
SM 5310C	Total Organic Carbon	4.8	mg/L	1.0	11/29/23 22:18	
SM 5310C	Dissolved Organic Carbon	4.9	mg/L	1.0	11/22/23 13:15	

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-110D **Lab ID: 50359670001** Collected: 11/14/23 12:15 Received: 11/14/23 16:07 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	**176**	mg/L	2.5	0.67	10		12/01/23 20:46	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.017	1		12/01/23 20:27	16984-48-8	
Sulfate	**344**	mg/L	2.5	1.9	10		12/01/23 20:46	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/22/23 21:40	11/29/23 11:05	7429-90-5	
Barium	**57.4**	ug/L	10.0	1.6	1	11/22/23 21:40	11/29/23 11:05	7440-39-3	
Boron	**4440**	ug/L	100	11.4	1	11/22/23 21:40	11/29/23 11:05	7440-42-8	
Calcium	**148000**	ug/L	1000	56.7	1	11/22/23 21:40	11/29/23 11:05	7440-70-2	
Iron	**3230**	ug/L	100	18.1	1	11/22/23 21:40	11/29/23 11:05	7439-89-6	
Lithium	**58.4**	ug/L	20.0	5.1	1	11/22/23 21:40	11/29/23 11:05	7439-93-2	
Magnesium	**43400**	ug/L	1000	32.8	1	11/22/23 21:40	11/29/23 11:05	7439-95-4	
Manganese	**239**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:05	7439-96-5	
Molybdenum	**164**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:05	7439-98-7	
Potassium	**8680**	ug/L	1000	120	1	11/22/23 21:40	11/29/23 11:05	7440-09-7	
Silica	**12100**	ug/L	450		1	11/22/23 21:40	11/29/23 11:05	7631-86-9	N2
Sodium	**115000**	ug/L	1000	48.2	1	11/22/23 21:40	11/29/23 11:05	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3080**	ug/L	100	30.0	1	11/28/23 16:22	11/29/23 01:57	7439-89-6	
Manganese, Dissolved	**242**	ug/L	10.0	1.8	1	11/28/23 16:22	11/29/23 01:57	7439-96-5	
Molybdenum, Dissolved	**164**	ug/L	10.0	0.78	1	11/28/23 16:22	11/29/23 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	0.49	1	11/22/23 07:28	11/23/23 02:50	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.075	1	11/22/23 07:28	11/27/23 23:04	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/27/23 23:04	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/27/23 23:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/27/23 23:04	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**269**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Bicarbonate (CaCO3)	**269**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 23:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**950**	mg/L	10.0	10.0	1		11/20/23 12:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-110D **Lab ID: 50359670001** Collected: 11/14/23 12:15 Received: 11/14/23 16:07 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	**7.2**	Std. Units	0.10	0.10	1		11/30/23 12:00		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 11:05	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.4**	mg/L	0.20	0.035	1		11/16/23 15:28	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/15/23 03:41	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/15/23 03:41	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/29/23 16:30	11/30/23 16:28		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.1**	mg/L	1.0	0.24	1		11/29/23 21:00	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.3**	mg/L	2.0	0.47	2		11/22/23 13:58		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: Field Blank **Lab ID: 50359670002** Collected: 11/14/23 13:25 Received: 11/14/23 16:07 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	0.067	1		12/01/23 22:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		12/01/23 22:17	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		12/01/23 22:17	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/22/23 21:40	11/29/23 11:15	7429-90-5	
Barium	ND	ug/L	10.0	1.6	1	11/22/23 21:40	11/29/23 11:15	7440-39-3	
Boron	ND	ug/L	100	11.4	1	11/22/23 21:40	11/29/23 11:15	7440-42-8	
Calcium	ND	ug/L	1000	56.7	1	11/22/23 21:40	11/29/23 11:15	7440-70-2	
Iron	ND	ug/L	100	18.1	1	11/22/23 21:40	11/29/23 11:15	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/22/23 21:40	11/29/23 11:15	7439-93-2	
Magnesium	ND	ug/L	1000	32.8	1	11/22/23 21:40	11/29/23 11:15	7439-95-4	
Manganese	ND	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:15	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:15	7439-98-7	
Potassium	ND	ug/L	1000	120	1	11/22/23 21:40	11/29/23 11:15	7440-09-7	
Silica	ND	ug/L	450		1	11/22/23 21:40	11/29/23 11:15	7631-86-9	N2
Sodium	ND	ug/L	1000	48.2	1	11/22/23 21:40	11/29/23 11:15	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	0.49	1	11/22/23 07:28	11/23/23 01:21	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/22/23 07:28	11/23/23 01:21	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/23/23 01:21	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/23/23 01:21	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/23/23 01:21	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		11/17/23 23:16		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 23:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		11/20/23 12:26		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
	Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**8.0**	Std. Units	0.10	0.10	1		11/30/23 15:39		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D								
	Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 11:05	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: Field Blank **Lab ID: 50359670002** Collected: 11/14/23 13:25 Received: 11/14/23 16:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/16/23 15:30	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/15/23 03:54	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/15/23 03:54	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/29/23 16:30	11/30/23 16:29		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	1.0	0.24	1		11/29/23 21:10	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103D **Lab ID: 50359670003** Collected: 11/14/23 12:10 Received: 11/14/23 16:07 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	**196**	mg/L	2.5	0.67	10		12/01/23 21:22	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.017	1		12/01/23 21:04	16984-48-8	
Sulfate	**49.3**	mg/L	0.25	0.19	1		12/01/23 21:04	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/22/23 21:40	11/29/23 11:17	7429-90-5	
Barium	**340**	ug/L	10.0	1.6	1	11/22/23 21:40	11/29/23 11:17	7440-39-3	
Boron	**315**	ug/L	100	11.4	1	11/22/23 21:40	11/29/23 11:17	7440-42-8	
Calcium	**86300**	ug/L	1000	56.7	1	11/22/23 21:40	11/29/23 11:17	7440-70-2	
Iron	**2160**	ug/L	100	18.1	1	11/22/23 21:40	11/29/23 11:17	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/22/23 21:40	11/29/23 11:17	7439-93-2	
Magnesium	**29100**	ug/L	1000	32.8	1	11/22/23 21:40	11/29/23 11:17	7439-95-4	
Manganese	**115**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:17	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:17	7439-98-7	
Potassium	**5160**	ug/L	1000	120	1	11/22/23 21:40	11/29/23 11:17	7440-09-7	
Silica	**12600**	ug/L	450		1	11/22/23 21:40	11/29/23 11:17	7631-86-9	N2
Sodium	**83100**	ug/L	1000	48.2	1	11/22/23 21:40	11/29/23 11:17	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2310**	ug/L	100	30.0	1	11/28/23 16:22	11/29/23 01:58	7439-89-6	
Manganese, Dissolved	**121**	ug/L	10.0	1.8	1	11/28/23 16:22	11/29/23 01:58	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/28/23 16:22	11/29/23 01:58	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	0.49	1	11/22/23 07:28	11/23/23 03:00	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/22/23 07:28	11/27/23 23:07	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/27/23 23:07	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/27/23 23:07	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/27/23 23:07	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		11/17/23 23:16		
Alkalinity,Bicarbonate (CaCO3)	**255**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 23:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**631**	mg/L	10.0	10.0	1		11/20/23 12:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103D **Lab ID: 50359670003** Collected: 11/14/23 12:10 Received: 11/14/23 16:07 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	**7.0**	Std. Units	0.10	0.10	1		11/30/23 15:40		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 11:05	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/16/23 14:42	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/15/23 03:39	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/15/23 03:39	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/29/23 16:30	11/30/23 16:29		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.6**	mg/L	1.0	0.24	1		11/29/23 21:21	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.4**	mg/L	1.0	0.24	1		11/22/23 12:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-105D **Lab ID: 50359670004** Collected: 11/14/23 12:48 Received: 11/14/23 16:07 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	**114**	mg/L	2.5	0.67	10		12/01/23 23:31	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		12/01/23 23:13	16984-48-8	
Sulfate	**127**	mg/L	2.5	1.9	10		12/01/23 23:31	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/22/23 21:40	11/29/23 11:18	7429-90-5	
Barium	**257**	ug/L	10.0	1.6	1	11/22/23 21:40	11/29/23 11:18	7440-39-3	
Boron	**1460**	ug/L	100	11.4	1	11/22/23 21:40	11/29/23 11:18	7440-42-8	
Calcium	**110000**	ug/L	1000	56.7	1	11/22/23 21:40	11/29/23 11:18	7440-70-2	
Iron	**3600**	ug/L	100	18.1	1	11/22/23 21:40	11/29/23 11:18	7439-89-6	
Lithium	**21.4**	ug/L	20.0	5.1	1	11/22/23 21:40	11/29/23 11:18	7439-93-2	
Magnesium	**27400**	ug/L	1000	32.8	1	11/22/23 21:40	11/29/23 11:18	7439-95-4	
Manganese	**122**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:18	7439-96-5	
Molybdenum	**13.0**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:18	7439-98-7	
Potassium	**5520**	ug/L	1000	120	1	11/22/23 21:40	11/29/23 11:18	7440-09-7	
Silica	**12500**	ug/L	450		1	11/22/23 21:40	11/29/23 11:18	7631-86-9	N2
Sodium	**67900**	ug/L	1000	48.2	1	11/22/23 21:40	11/29/23 11:18	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2930**	ug/L	100	30.0	1	11/28/23 16:22	11/29/23 02:00	7439-89-6	
Manganese, Dissolved	**126**	ug/L	10.0	1.8	1	11/28/23 16:22	11/29/23 02:00	7439-96-5	
Molybdenum, Dissolved	**14.5**	ug/L	10.0	0.78	1	11/28/23 16:22	11/29/23 02:00	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	0.49	1	11/22/23 07:28	11/23/23 03:03	7440-36-0	
Arsenic	**2.9**	ug/L	1.0	0.075	1	11/22/23 07:28	11/27/23 23:17	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/27/23 23:17	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/27/23 23:17	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/27/23 23:17	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**267**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Bicarbonate (CaCO3)	**267**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 23:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**635**	mg/L	10.0	10.0	1		11/20/23 12:27		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-105D **Lab ID: 50359670004** Collected: 11/14/23 12:48 Received: 11/14/23 16:07 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	**7.4**	Std. Units	0.10	0.10	1		11/30/23 15:42		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 11:05	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/16/23 15:29	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.19**	mg/L	0.10	0.011	1		11/15/23 03:52	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/15/23 03:52	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.26**	mg/L	0.15	0.15	1	11/29/23 16:30	11/30/23 16:30		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.6**	mg/L	1.0	0.24	1		11/29/23 21:55	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.0**	mg/L	1.0	0.24	1		11/22/23 12:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103S **Lab ID: 50359670005** Collected: 11/14/23 14:20 Received: 11/14/23 16:07 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	**52.1**	mg/L	2.5	0.67	10		12/02/23 00:08	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.017	1		12/01/23 23:49	16984-48-8	
Sulfate	**439**	mg/L	2.5	1.9	10		12/02/23 00:08	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/22/23 21:40	11/29/23 11:20	7429-90-5	
Barium	**61.6**	ug/L	10.0	1.6	1	11/22/23 21:40	11/29/23 11:20	7440-39-3	
Boron	**821**	ug/L	100	11.4	1	11/22/23 21:40	11/29/23 11:20	7440-42-8	
Calcium	**261000**	ug/L	2000	113	2	11/22/23 21:40	11/29/23 12:06	7440-70-2	
Iron	**14300**	ug/L	100	18.1	1	11/22/23 21:40	11/29/23 11:20	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/22/23 21:40	11/29/23 11:20	7439-93-2	
Magnesium	**76100**	ug/L	1000	32.8	1	11/22/23 21:40	11/29/23 11:20	7439-95-4	
Manganese	**291**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:20	7439-96-5	
Molybdenum	**19.3**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:20	7439-98-7	
Potassium	**2130**	ug/L	1000	120	1	11/22/23 21:40	11/29/23 11:20	7440-09-7	
Silica	**24000**	ug/L	450		1	11/22/23 21:40	11/29/23 11:20	7631-86-9	N2
Sodium	**43100**	ug/L	1000	48.2	1	11/22/23 21:40	11/29/23 11:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**14700**	ug/L	100	30.0	1	11/28/23 16:22	11/29/23 02:25	7439-89-6	
Manganese, Dissolved	**293**	ug/L	10.0	1.8	1	11/28/23 16:22	11/29/23 02:25	7439-96-5	
Molybdenum, Dissolved	**19.7**	ug/L	10.0	0.78	1	11/28/23 16:22	11/29/23 02:25	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	0.49	1	11/22/23 07:28	11/23/23 03:07	7440-36-0	
Arsenic	**21.7**	ug/L	1.0	0.075	1	11/22/23 07:28	11/27/23 23:21	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/27/23 23:21	7440-41-7	
Cobalt	**2.1**	ug/L	1.0	0.046	1	11/22/23 07:28	11/27/23 23:21	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/27/23 23:21	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**584**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Bicarbonate (CaCO3)	**584**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 23:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1260**	mg/L	20.0	20.0	1		11/20/23 12:27		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103S **Lab ID: 50359670005** Collected: 11/14/23 14:20 Received: 11/14/23 16:07 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	**7.2**	Std. Units	0.10	0.10	1		11/30/23 15:43		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 11:05	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**9.4**	mg/L	2.5	0.44	12.5		11/16/23 15:30	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.32**	mg/L	0.10	0.011	1		11/15/23 03:56	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/15/23 03:56	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/29/23 16:30	11/30/23 16:31		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**6.5**	mg/L	1.0	0.24	1		11/29/23 22:06	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**8.4**	mg/L	1.0	0.24	1		11/22/23 13:03		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103I **Lab ID: 50359670006** Collected: 11/14/23 12:25 Received: 11/14/23 16:07 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	**235**	mg/L	2.5	0.67	10		12/02/23 00:44	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.017	1		12/02/23 00:26	16984-48-8	
Sulfate	**14.5**	mg/L	0.25	0.19	1		12/02/23 00:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	79.3	1	11/22/23 21:40	11/29/23 11:21	7429-90-5	
Barium	**239**	ug/L	10.0	1.6	1	11/22/23 21:40	11/29/23 11:21	7440-39-3	
Boron	**320**	ug/L	100	11.4	1	11/22/23 21:40	11/29/23 11:21	7440-42-8	
Calcium	**102000**	ug/L	1000	56.7	1	11/22/23 21:40	11/29/23 11:21	7440-70-2	
Iron	**1780**	ug/L	100	18.1	1	11/22/23 21:40	11/29/23 11:21	7439-89-6	
Lithium	ND	ug/L	20.0	5.1	1	11/22/23 21:40	11/29/23 11:21	7439-93-2	
Magnesium	**30700**	ug/L	1000	32.8	1	11/22/23 21:40	11/29/23 11:21	7439-95-4	
Manganese	**327**	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:21	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	11/22/23 21:40	11/29/23 11:21	7439-98-7	
Potassium	**6950**	ug/L	1000	120	1	11/22/23 21:40	11/29/23 11:21	7440-09-7	
Silica	**11000**	ug/L	450		1	11/22/23 21:40	11/29/23 11:21	7631-86-9	N2
Sodium	**90200**	ug/L	1000	48.2	1	11/22/23 21:40	11/29/23 11:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1780**	ug/L	100	30.0	1	11/28/23 16:22	11/29/23 02:26	7439-89-6	
Manganese, Dissolved	**335**	ug/L	10.0	1.8	1	11/28/23 16:22	11/29/23 02:26	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/28/23 16:22	11/29/23 02:26	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	0.49	1	11/22/23 07:28	11/23/23 03:10	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/22/23 07:28	11/27/23 23:24	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/22/23 07:28	11/27/23 23:24	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/22/23 07:28	11/27/23 23:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/22/23 07:28	11/27/23 23:24	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		11/17/23 23:16		
Alkalinity,Bicarbonate (CaCO3)	**293**	mg/L	10.0	10.0	1		11/17/23 23:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/17/23 23:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**341**	mg/L	10.0	10.0	1		11/20/23 12:27		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103I **Lab ID: 50359670006** Collected: 11/14/23 12:25 Received: 11/14/23 16:07 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	**7.2**	Std. Units	0.10	0.10	1		11/30/23 15:43		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 11:05	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.0**	mg/L	0.20	0.035	1		11/16/23 15:29	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/15/23 03:45	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/15/23 03:45	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.18**	mg/L	0.15	0.15	1	11/29/23 16:30	11/30/23 16:33		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**4.8**	mg/L	1.0	0.24	1		11/29/23 22:18	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.9**	mg/L	1.0	0.24	1		11/22/23 13:15		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 764395
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3503815 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/01/23 10:02	
Fluoride	mg/L	ND	0.10	0.017	12/01/23 10:02	
Sulfate	mg/L	ND	0.25	0.19	12/01/23 10:02	

LABORATORY CONTROL SAMPLE: 3503816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	99	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503817 3503818

Parameter	Units	50359672003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	30.2	25	25	53.7	53.7	94	94	80-120	0	15	
Fluoride	mg/L	0.62	1	1	1.6	1.6	99	99	80-120	1	15	
Sulfate	mg/L	24.6	5	5	28.6	28.5	80	77	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 764429
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3503890 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	79.3	11/29/23 10:45	
Barium	ug/L	ND	10.0	1.6	11/29/23 10:45	
Boron	ug/L	ND	100	11.4	11/29/23 10:45	
Calcium	ug/L	ND	1000	56.7	11/29/23 10:45	
Iron	ug/L	ND	100	18.1	11/29/23 10:45	
Lithium	ug/L	ND	20.0	5.1	11/29/23 10:45	
Magnesium	ug/L	ND	1000	32.8	11/29/23 10:45	
Manganese	ug/L	ND	10.0	1.1	11/29/23 10:45	
Molybdenum	ug/L	ND	10.0	1.1	11/29/23 10:45	
Potassium	ug/L	ND	1000	120	11/29/23 10:45	
Silica	ug/L	ND	450		11/29/23 10:45	N2
Sodium	ug/L	ND	1000	48.2	11/29/23 10:45	

LABORATORY CONTROL SAMPLE: 3503891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9540	95	80-120	
Barium	ug/L	1000	971	97	80-120	
Boron	ug/L	1000	928	93	80-120	
Calcium	ug/L	10000	9790	98	80-120	
Iron	ug/L	10000	9620	96	80-120	
Lithium	ug/L	1000	976	98	80-120	
Magnesium	ug/L	10000	9380	94	80-120	
Manganese	ug/L	1000	915	92	80-120	
Molybdenum	ug/L	1000	975	98	80-120	
Potassium	ug/L	10000	9830	98	80-120	
Silica	ug/L	10700	10200	95	80-120	N2
Sodium	ug/L	10000	9580	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503892 3503893

Parameter	Units	50359670001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9190	9140	91	90	75-125	1	20	
Barium	ug/L	57.4	1000	1000	980	990	92	93	75-125	1	20	
Boron	ug/L	4440	1000	1000	5350	5310	91	87	75-125	1	20	
Calcium	ug/L	148000	10000	10000	156000	154000	80	67	75-125	1	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503892 3503893

Parameter	Units	50359670001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	3230	10000	10000	12500	12400	93	92	75-125	1	20	
Lithium	ug/L	58.4	1000	1000	976	984	92	93	75-125	1	20	
Magnesium	ug/L	43400	10000	10000	52100	51600	87	82	75-125	1	20	
Manganese	ug/L	239	1000	1000	1120	1110	88	87	75-125	1	20	
Molybdenum	ug/L	164	1000	1000	1140	1140	98	97	75-125	0	20	
Potassium	ug/L	8680	10000	10000	17600	17800	89	91	75-125	1	20	
Silica	ug/L	12100	10700	10700	22300	22200	96	94	75-125	1	20	N2
Sodium	ug/L	115000	10000	10000	122000	124000	66	85	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 764932
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3505778 Matrix: Water
Associated Lab Samples: 50359670001, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/29/23 01:29	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/29/23 01:29	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/29/23 01:29	

LABORATORY CONTROL SAMPLE: 3505779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9810	98	80-120	
Manganese, Dissolved	ug/L	1000	927	93	80-120	
Molybdenum, Dissolved	ug/L	1000	975	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505780 3505781

Parameter	Units	50359434001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	1040	10000	10000	10800	10400	97	94	75-125	3	20	
Manganese, Dissolved	ug/L	7340	1000	1000	7960	7630	63	29	75-125	4	20	P6
Molybdenum, Dissolved	ug/L	<0.050 mg/L	1000	1000	979	942	98	94	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 764329
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3503424 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/23/23 01:15	
Arsenic	ug/L	ND	1.0	0.075	11/23/23 01:15	
Beryllium	ug/L	ND	0.20	0.035	11/23/23 01:15	
Cobalt	ug/L	ND	1.0	0.046	11/23/23 01:15	
Selenium	ug/L	ND	1.0	0.20	11/23/23 01:15	

LABORATORY CONTROL SAMPLE: 3503425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Beryllium	ug/L	40	38.8	97	80-120	
Cobalt	ug/L	40	41.0	102	80-120	
Selenium	ug/L	40	40.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503426 3503427

Parameter	Units	50359596005 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	41.6	41.2	104	103	75-125	1	20	
Arsenic	ug/L	ND	40	40	38.8	38.3	96	95	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.1	38.7	98	97	75-125	1	20	
Cobalt	ug/L	ND	40	40	38.2	37.9	95	94	75-125	1	20	
Selenium	ug/L	ND	40	40	39.3	39.4	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 763733 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3501011 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/17/23 23:16	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/17/23 23:16	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/17/23 23:16	

LABORATORY CONTROL SAMPLE: 3501012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	54.9	110	90-110	

SAMPLE DUPLICATE: 3501013

Parameter	Units	50359634007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	411	418	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	411	418	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3501014

Parameter	Units	50359670001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	269	273	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	269	273	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 763919 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3501915 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/20/23 12:24	

LABORATORY CONTROL SAMPLE: 3501916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	274	91	80-120	

SAMPLE DUPLICATE: 3501917

Parameter	Units	50360008005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	185	184	1	10	

SAMPLE DUPLICATE: 3501918

Parameter	Units	50359671006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	11900	11200	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 765557
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: 50359670001

SAMPLE DUPLICATE: 3508186

Parameter	Units	50359596001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.1	0	2	H3

SAMPLE DUPLICATE: 3508187

Parameter	Units	50359670001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 765649
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: 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

SAMPLE DUPLICATE: 3508607

Parameter	Units	50359671006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	1	2	H3

SAMPLE DUPLICATE: 3508608

Parameter	Units	50359710001 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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 763322 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3498699 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/16/23 11:05	

LABORATORY CONTROL SAMPLE: 3498700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	103	90-110	

MATRIX SPIKE SAMPLE: 3498701

Parameter	Units	50359612004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.54	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498702 3498703

Parameter	Units	50359671006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.26J	10	10	5.0	4.7	47	44	90-110	7	20	M3

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 763334
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670003

METHOD BLANK: 3498763 Matrix: Water
Associated Lab Samples: 50359670003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/16/23 14:33	H3,N2

LABORATORY CONTROL SAMPLE: 3498764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.98	98	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498765 3498766

Parameter	Units	50359566001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.1	105	104	90-110	1	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498767 3498768

Parameter	Units	50359710001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.0	1.1	102	105	90-110	3	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 763335 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3498769 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/16/23 15:28	H3,N2

LABORATORY CONTROL SAMPLE: 3498770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.99	99	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498771 3498772

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.6	5	5	6.5	6.5	99	99	90-110	0	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498773 3498774

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.9	5	5	6.9	6.9	99	99	90-110	0	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 762980 | 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: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3497091 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/15/23 03:04	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/15/23 03:04	

LABORATORY CONTROL SAMPLE: 3497092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	108	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	105	90-110	

MATRIX SPIKE SAMPLE: 3497093

Parameter	Units	50359670001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	112	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 3497094

Parameter	Units	50359670006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	107	90-110	
Nitrogen, Nitrite	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 765331 | Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 | Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3507311 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	11/30/23 16:23	

LABORATORY CONTROL SAMPLE: 3507312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507313 3507314

Parameter	Units	50359671006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	20.4			94.5	95.0				1		

MATRIX SPIKE SAMPLE: 3507315

Parameter	Units	50359670003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	ND		1.7			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 765270 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3507066 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	11/29/23 19:47	

LABORATORY CONTROL SAMPLE: 3507067

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507068 3507069

Parameter	Units	50359672003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.4	10	10	12.0	11.9	96	95	80-120	1	20	

MATRIX SPIKE SAMPLE: 3507070

Parameter	Units	50359672005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.0	10	11.4	95	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 764236
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359670001, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3503010 Matrix: Water
Associated Lab Samples: 50359670001, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/22/23 02:43	

LABORATORY CONTROL SAMPLE: 3503011

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: 3503012 3503013

Parameter	Units	50359566001 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	10.6	10.8	91	93	80-120	2	20	

MATRIX SPIKE SAMPLE: 3503014

Parameter	Units	50359596001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.9	10	11.2	93	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-110D **Lab ID: 50359670001** Collected: 11/14/23 12:15 Received: 11/14/23 16:07 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 ± 0.637 (0.774) C:NA T:89%**	pCi/L	12/12/23 13:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.427 ± 0.372 (0.749) C:86% T:81%**	pCi/L	12/05/23 14:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.55 ± 1.01 (1.52)**	pCi/L	12/12/23 15:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: Field Blank **Lab ID: 50359670002** Collected: 11/14/23 13:25 Received: 11/14/23 16:07 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	**-0.140 ± 0.581 (1.22) C:NA T:88%**	pCi/L	12/12/23 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.762 ± 0.389 (0.670) C:87% T:86%**	pCi/L	12/05/23 14:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.762 ± 0.970 (1.89)**	pCi/L	12/12/23 15:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103D **Lab ID: 50359670003** Collected: 11/14/23 12:10 Received: 11/14/23 16:07 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	**0.419 ± 0.477 (0.752) C:NA T:85%**	pCi/L	12/12/23 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.838 ± 0.413 (0.694) C:82% T:83%**	pCi/L	12/05/23 14:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.26 ± 0.890 (1.45)**	pCi/L	12/12/23 15:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-105D **Lab ID: 50359670004** Collected: 11/14/23 12:48 Received: 11/14/23 16:07 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	**0.758 ± 0.506 (0.628) C:NA T:90%**	pCi/L	12/12/23 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.428 ± 0.383 (0.772) C:84% T:74%**	pCi/L	12/05/23 14:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.19 ± 0.889 (1.40)**	pCi/L	12/12/23 15:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103S **Lab ID: 50359670005** Collected: 11/14/23 14:20 Received: 11/14/23 16:07 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	**0.325 ± 0.303 (0.399) C:NA T:92%**	pCi/L	12/12/23 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.200 ± 0.336 (0.732) C:84% T:78%**	pCi/L	12/05/23 14:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.525 ± 0.639 (1.13)**	pCi/L	12/12/23 15:14	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Sample: MW-103I **Lab ID: 50359670006** Collected: 11/14/23 12:25 Received: 11/14/23 16:07 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	**1.09 ± 0.666 (0.842) C:NA T:89%**	pCi/L	12/12/23 14:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.710 ± 0.386 (0.684) C:86% T:83%**	pCi/L	12/05/23 14:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.80 ± 1.05 (1.53)**	pCi/L	12/12/23 15:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 631068
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: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3076850 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.209 ± 0.316 (0.682) C:84% T:84%	pCi/L	12/05/23 14:06	

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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

QC Batch: 631067
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: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

METHOD BLANK: 3076849 Matrix: Water
Associated Lab Samples: 50359670001, 50359670002, 50359670003, 50359670004, 50359670005, 50359670006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.555 ± 0.436 (0.606) C:NA T:90%	pCi/L	12/12/23 13:47	

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

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359670001	**MW-110D**	EPA 9056	764395		
50359670002	**Field Blank**	EPA 9056	764395		
50359670003	**MW-103D**	EPA 9056	764395		
50359670004	**MW-105D**	EPA 9056	764395		
50359670005	**MW-103S**	EPA 9056	764395		
50359670006	**MW-103I**	EPA 9056	764395		
50359670001	**MW-110D**	EPA 3010	764429	EPA 6010	765289
50359670002	**Field Blank**	EPA 3010	764429	EPA 6010	765289
50359670003	**MW-103D**	EPA 3010	764429	EPA 6010	765289
50359670004	**MW-105D**	EPA 3010	764429	EPA 6010	765289
50359670005	**MW-103S**	EPA 3010	764429	EPA 6010	765289
50359670006	**MW-103I**	EPA 3010	764429	EPA 6010	765289
50359670001	**MW-110D**	EPA 3010	764932	EPA 6010	765210
50359670003	**MW-103D**	EPA 3010	764932	EPA 6010	765210
50359670004	**MW-105D**	EPA 3010	764932	EPA 6010	765210
50359670005	**MW-103S**	EPA 3010	764932	EPA 6010	765210
50359670006	**MW-103I**	EPA 3010	764932	EPA 6010	765210
50359670001	**MW-110D**	EPA 200.2	764329	EPA 6020	764580
50359670002	**Field Blank**	EPA 200.2	764329	EPA 6020	764580
50359670003	**MW-103D**	EPA 200.2	764329	EPA 6020	764580
50359670004	**MW-105D**	EPA 200.2	764329	EPA 6020	764580
50359670005	**MW-103S**	EPA 200.2	764329	EPA 6020	764580
50359670006	**MW-103I**	EPA 200.2	764329	EPA 6020	764580
50359670001	**MW-110D**	EPA 903.1	631067		
50359670002	**Field Blank**	EPA 903.1	631067		
50359670003	**MW-103D**	EPA 903.1	631067		
50359670004	**MW-105D**	EPA 903.1	631067		
50359670005	**MW-103S**	EPA 903.1	631067		
50359670006	**MW-103I**	EPA 903.1	631067		
50359670001	**MW-110D**	EPA 904.0	631068		
50359670002	**Field Blank**	EPA 904.0	631068		
50359670003	**MW-103D**	EPA 904.0	631068		
50359670004	**MW-105D**	EPA 904.0	631068		
50359670005	**MW-103S**	EPA 904.0	631068		
50359670006	**MW-103I**	EPA 904.0	631068		
50359670001	**MW-110D**	Total Radium Calculation	635546		
50359670002	**Field Blank**	Total Radium Calculation	635546		
50359670003	**MW-103D**	Total Radium Calculation	635546		
50359670004	**MW-105D**	Total Radium Calculation	635546		
50359670005	**MW-103S**	Total Radium Calculation	635546		
50359670006	**MW-103I**	Total Radium Calculation	635546		
50359670001	**MW-110D**	SM 2320B	763733		
50359670002	**Field Blank**	SM 2320B	763733		
50359670003	**MW-103D**	SM 2320B	763733		
50359670004	**MW-105D**	SM 2320B	763733		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359670005	**MW-103S**	SM 2320B	763733		
50359670006	**MW-103I**	SM 2320B	763733		
50359670001	**MW-110D**	SM 2540C	763919		
50359670002	**Field Blank**	SM 2540C	763919		
50359670003	**MW-103D**	SM 2540C	763919		
50359670004	**MW-105D**	SM 2540C	763919		
50359670005	**MW-103S**	SM 2540C	763919		
50359670006	**MW-103I**	SM 2540C	763919		
50359670001	**MW-110D**	SM 4500-H+B	765557		
50359670002	**Field Blank**	SM 4500-H+B	765649		
50359670003	**MW-103D**	SM 4500-H+B	765649		
50359670004	**MW-105D**	SM 4500-H+B	765649		
50359670005	**MW-103S**	SM 4500-H+B	765649		
50359670006	**MW-103I**	SM 4500-H+B	765649		
50359670001	**MW-110D**	SM 4500-S2-D	763322		
50359670002	**Field Blank**	SM 4500-S2-D	763322		
50359670003	**MW-103D**	SM 4500-S2-D	763322		
50359670004	**MW-105D**	SM 4500-S2-D	763322		
50359670005	**MW-103S**	SM 4500-S2-D	763322		
50359670006	**MW-103I**	SM 4500-S2-D	763322		
50359670001	**MW-110D**	HACH 8146	763335		
50359670002	**Field Blank**	HACH 8146	763335		
50359670003	**MW-103D**	HACH 8146	763334		
50359670004	**MW-105D**	HACH 8146	763335		
50359670005	**MW-103S**	HACH 8146	763335		
50359670006	**MW-103I**	HACH 8146	763335		
50359670001	**MW-110D**	EPA 353.2	762980		
50359670002	**Field Blank**	EPA 353.2	762980		
50359670003	**MW-103D**	EPA 353.2	762980		
50359670004	**MW-105D**	EPA 353.2	762980		
50359670005	**MW-103S**	EPA 353.2	762980		
50359670006	**MW-103I**	EPA 353.2	762980		
50359670001	**MW-110D**	EPA 365.1	765331	EPA 365.1	765533
50359670002	**Field Blank**	EPA 365.1	765331	EPA 365.1	765533
50359670003	**MW-103D**	EPA 365.1	765331	EPA 365.1	765533
50359670004	**MW-105D**	EPA 365.1	765331	EPA 365.1	765533
50359670005	**MW-103S**	EPA 365.1	765331	EPA 365.1	765533
50359670006	**MW-103I**	EPA 365.1	765331	EPA 365.1	765533
50359670001	**MW-110D**	SM 5310C	765270		
50359670002	**Field Blank**	SM 5310C	765270		
50359670003	**MW-103D**	SM 5310C	765270		
50359670004	**MW-105D**	SM 5310C	765270		
50359670005	**MW-103S**	SM 5310C	765270		
50359670006	**MW-103I**	SM 5310C	765270		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359670

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359670001	**MW-110D**	SM 5310C	764236		
50359670003	**MW-103D**	SM 5310C	764236		
50359670004	**MW-105D**	SM 5310C	764236		
50359670005	**MW-103S**	SM 5310C	764236		
50359670006	**MW-103I**	SM 5310C	764236		

WO# : 50359670

50359670

1/R2

CHAIN-OF-CUSTODY / Analytical Request Document

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

ent and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Required Project Information:		Section C Invoice Information:	
Company:	AES/IPL Petersburg	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street Nov 2023	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	10498-48

Regulatory Agency
State / Location
IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532		Residual Chlorine (Y/N)	
1	MW-110D	WT		11.14.23	1215				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x			001
2	Field Blank	WT		11.14	1325														x	x	x	x	x	x	x	x	x	x			002
3	MW-103D	WT		11.14	1210														x	x	x	x	x	x	x	x	x	x			003
4	MW-105D	WT		11.14	1248														x	x	x	x	x	x	x	x	x	x			004
5	MW-103S	WT		11.14	1420														x	x	x	x	x	x	x	x	x	x			005
6	MW-103I	WT		11.14	1225														x	x	x	x	x	x	x	x	x	x			006
7		WT																	x	x	x	x	x	x	x	x	x	x			
8		WT																	x	x	x	x	x	x	x	x	x	x			
9		WT																	x	x	x	x	x	x	x	x	x	x			
10		WT																	x	x	x	x	x	x	x	x	x	x			
11		WT																	x	x	x	x	x	x	x	x	x	x			
12																			x	x	x	x	x	x	x	x	x	x			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	P. Greg Hopper (FB2, 103D)	11-14	1430	JOHN A. MAGILL JR	11.14	1430	
6020 - Be,Co, As, Se, Sb (5)	Keegan Lowhead (MW-110D)	11-14	1439	JOHN A. MAGILL JR	11.14	1430	
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)	Erica Valerio (MW-103S, MW-103I)	11-14	1515	JOHN A. MAGILL JR	11.14	1515	
6010 diss - Fe, Mn, Mo (3)	JOHN A. MAGILL JR	11.14	1607		11/14/23	1607	see SCMR

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Keegan Lowhead Erica Valerio JOHN A. MAGILL				
SIGNATURE of SAMPLER:	Keegan Lowhead	DATE Signed:	11/14/23		

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: IL 11/14/23 1740

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☐ No

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

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

4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.5/1.5	1.3/1.3	0.8/0.8	1.8/1.8

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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)** IL 11/14 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: 1800			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 RED 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												1	1			2	2	1	1	1	1		1					WT
2																												
3													1							1								
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	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

February 08, 2024

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

RE: Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 15, 2023. 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,

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: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359760001	**MW-109I**	Water	11/15/23 11:15	11/15/23 16:50
50359760002	**MW-109D**	Water	11/15/23 11:25	11/15/23 16:50
50359760003	**MW-107D**	Water	11/15/23 13:16	11/15/23 16:50
50359760004	**MW-110S**	Water	11/15/23 10:45	11/15/23 16:50
50359760005	**MW-104D**	Water	11/15/23 13:40	11/15/23 16:50
50359760006	**MW-107S**	Water	11/15/23 10:45	11/15/23 16:50
50359760007	**MW-109I MS**	Water	11/15/23 11:15	11/15/23 16:50
50359760008	**MW-109I MSD**	Water	11/15/23 11:15	11/15/23 16:50
50359760009	**MW-104D MS**	Water	11/15/23 13:40	11/15/23 16:50
50359760010	**MW-104D MSD**	Water	11/15/23 13:40	11/15/23 16:50

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359760001	**MW-109I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359760002	**MW-109D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359760003	**MW-107D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359760004	**MW-110S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359760005	**MW-104D**	EPA 9056	ADM, KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359760006	**MW-107S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359760007	**MW-109I MS**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50359760008	**MW-109I MSD**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50359760009	**MW-104D MS**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50359760010	**MW-104D MSD**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359760001	**MW-109I**					
EPA 9056	Chloride	90.3	mg/L	2.5	12/03/23 14:25	
EPA 9056	Fluoride	0.11	mg/L	0.10	12/03/23 14:09	
EPA 9056	Sulfate	174	mg/L	2.5	12/03/23 14:25	
EPA 6010	Barium	243	ug/L	10.0	12/01/23 12:10	
EPA 6010	Boron	1220	ug/L	100	12/01/23 12:10	
EPA 6010	Calcium	156000	ug/L	1000	12/01/23 13:35	
EPA 6010	Iron	4490	ug/L	100	12/01/23 12:10	
EPA 6010	Magnesium	43900	ug/L	1000	12/01/23 12:10	
EPA 6010	Manganese	381	ug/L	10.0	12/01/23 12:10	
EPA 6010	Potassium	5400	ug/L	1000	12/01/23 12:10	
EPA 6010	Silica	16100	ug/L	450	12/01/23 12:10	N2
EPA 6010	Sodium	58800	ug/L	1000	12/01/23 12:10	
EPA 6010	Iron, Dissolved	4440	ug/L	100	11/30/23 03:23	
EPA 6010	Manganese, Dissolved	390	ug/L	10.0	11/30/23 03:23	
EPA 6020	Arsenic	2.3	ug/L	1.0	11/29/23 01:57	
EPA 903.1	Radium-226	1.48 ± 0.611 (0.605) C:NA T:81%	pCi/L		12/13/23 12:11	
EPA 904.0	Radium-228	0.619 ± 0.398 (0.734) C:71% T:82%	pCi/L		12/07/23 14:42	
Total Radium Calculation	Total Radium	2.10 ± 1.01 (1.34)	pCi/L		12/13/23 17:31	
SM 2320B	Alkalinity, Total as CaCO3	382	mg/L	10.0	11/18/23 03:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	382	mg/L	10.0	11/18/23 03:14	
SM 2540C	Total Dissolved Solids	764	mg/L	10.0	11/21/23 07:45	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	12/01/23 13:16	H3
HACH 8146	Iron, Ferrous	1.6	mg/L	0.50	11/16/23 15:32	H3,N2
SM 5310C	Total Organic Carbon	3.5	mg/L	1.0	12/01/23 22:44	
SM 5310C	Dissolved Organic Carbon	3.2	mg/L	1.0	12/01/23 06:49	
50359760002	**MW-109D**					
EPA 9056	Chloride	95.3	mg/L	2.5	12/03/23 21:56	
EPA 9056	Fluoride	0.12	mg/L	0.10	12/03/23 21:37	
EPA 9056	Sulfate	55.1	mg/L	2.5	12/03/23 21:56	
EPA 6010	Barium	75.8	ug/L	10.0	12/01/23 12:20	
EPA 6010	Boron	1350	ug/L	100	12/01/23 12:20	
EPA 6010	Calcium	100000	ug/L	1000	12/01/23 12:20	
EPA 6010	Iron	2160	ug/L	100	12/01/23 12:20	
EPA 6010	Magnesium	25000	ug/L	1000	12/01/23 12:20	
EPA 6010	Manganese	79.6	ug/L	10.0	12/01/23 12:20	
EPA 6010	Potassium	2290	ug/L	1000	12/01/23 12:20	
EPA 6010	Silica	12700	ug/L	450	12/01/23 12:20	N2
EPA 6010	Sodium	63100	ug/L	1000	12/01/23 12:20	
EPA 6010	Iron, Dissolved	2150	ug/L	100	11/30/23 03:33	
EPA 6010	Manganese, Dissolved	78.8	ug/L	10.0	11/30/23 03:33	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359760002	**MW-109D**					
EPA 6020	Arsenic	1.8	ug/L	1.0	11/29/23 02:21	
EPA 903.1	Radium-226	0.530 ± 0.491 (0.747) C:NA T:92%	pCi/L		12/13/23 12:11	
EPA 904.0	Radium-228	1.47 ± 0.619 (1.03) C:70% T:84%	pCi/L		12/07/23 14:39	
Total Radium Calculation	Total Radium	2.00 ± 1.11 (1.78)	pCi/L		12/13/23 17:31	
SM 2320B	Alkalinity, Total as CaCO3	273	mg/L	10.0	11/20/23 20:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	10.0	11/20/23 20:18	
SM 2540C	Total Dissolved Solids	489	mg/L	10.0	11/21/23 07:45	
SM 4500-H+B	pH at 25 Degrees C	8.0	Std. Units	0.10	12/01/23 13:25	H3
HACH 8146	Iron, Ferrous	1.8	mg/L	0.20	11/16/23 15:33	H3,N2
EPA 353.2	Nitrogen, Nitrate	0.22	mg/L	0.10	11/16/23 04:05	
SM 5310C	Total Organic Carbon	1.3	mg/L	1.0	12/01/23 23:50	
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	1.0	12/01/23 07:50	
50359760003	**MW-107D**					
EPA 9056	Chloride	241	mg/L	2.5	12/03/23 22:35	
EPA 9056	Fluoride	0.37	mg/L	0.10	12/03/23 22:15	
EPA 9056	Sulfate	655	mg/L	25.0	12/03/23 22:54	
EPA 6010	Barium	55.5	ug/L	10.0	12/01/23 12:22	
EPA 6010	Boron	9050	ug/L	100	12/01/23 12:22	
EPA 6010	Calcium	246000	ug/L	2000	12/01/23 13:40	
EPA 6010	Iron	5700	ug/L	100	12/01/23 12:22	
EPA 6010	Lithium	55.3	ug/L	20.0	12/01/23 12:22	
EPA 6010	Magnesium	67700	ug/L	1000	12/01/23 12:22	
EPA 6010	Manganese	363	ug/L	10.0	12/01/23 12:22	
EPA 6010	Molybdenum	93.0	ug/L	10.0	12/01/23 12:22	
EPA 6010	Potassium	11700	ug/L	1000	12/01/23 12:22	
EPA 6010	Silica	17400	ug/L	450	12/01/23 12:22	N2
EPA 6010	Sodium	173000	ug/L	1000	12/01/23 12:22	
EPA 6010	Iron, Dissolved	6080	ug/L	100	11/30/23 03:34	
EPA 6010	Manganese, Dissolved	385	ug/L	10.0	11/30/23 03:34	
EPA 6010	Molybdenum, Dissolved	92.8	ug/L	10.0	11/30/23 03:34	
EPA 6020	Arsenic	1.9	ug/L	1.0	11/29/23 02:24	
EPA 903.1	Radium-226	0.271 ± 0.439 (0.764) C:NA T:91%	pCi/L		12/13/23 12:11	
EPA 904.0	Radium-228	1.31 ± 0.648 (1.15) C:64% T:76%	pCi/L		12/07/23 14:39	
Total Radium Calculation	Total Radium	1.58 ± 1.09 (1.91)	pCi/L		12/13/23 17:31	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359760003	**MW-107D**					
SM 2320B	Alkalinity, Total as CaCO3	209	mg/L	10.0	11/18/23 03:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	209	mg/L	10.0	11/18/23 03:14	
SM 2540C	Total Dissolved Solids	1550	mg/L	20.0	11/21/23 07:46	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	12/01/23 13:26	H3
HACH 8146	Iron, Ferrous	0.52	mg/L	0.20	11/16/23 15:33	H3,N2
EPA 365.1	Phosphate as P04	0.41	mg/L	0.15	12/01/23 09:24	
SM 5310C	Dissolved Organic Carbon	4.0	mg/L	4.0	12/04/23 12:23	
50359760004	**MW-110S**					
EPA 9056	Chloride	94.9	mg/L	2.5	12/03/23 23:32	
EPA 9056	Fluoride	0.11	mg/L	0.10	12/03/23 23:13	
EPA 9056	Sulfate	352	mg/L	2.5	12/03/23 23:32	
EPA 6010	Barium	40.0	ug/L	10.0	12/01/23 12:23	
EPA 6010	Boron	1550	ug/L	100	12/01/23 12:23	
EPA 6010	Calcium	217000	ug/L	2000	12/01/23 13:41	
EPA 6010	Iron	5060	ug/L	100	12/01/23 12:23	
EPA 6010	Lithium	23.8	ug/L	20.0	12/01/23 12:23	
EPA 6010	Magnesium	56900	ug/L	1000	12/01/23 12:23	
EPA 6010	Manganese	594	ug/L	10.0	12/01/23 12:23	
EPA 6010	Molybdenum	13.2	ug/L	10.0	12/01/23 12:23	
EPA 6010	Potassium	5250	ug/L	1000	12/01/23 12:23	
EPA 6010	Silica	13200	ug/L	450	12/01/23 12:23	N2
EPA 6010	Sodium	78000	ug/L	1000	12/01/23 12:23	
EPA 6010	Iron, Dissolved	4770	ug/L	100	11/30/23 03:36	
EPA 6010	Manganese, Dissolved	591	ug/L	10.0	11/30/23 03:36	
EPA 6010	Molybdenum, Dissolved	13.7	ug/L	10.0	11/30/23 03:36	
EPA 6020	Arsenic	2.1	ug/L	1.0	11/29/23 02:27	
EPA 903.1	Radium-226	0.162 ± 0.462 (0.857) C:NA T:92%	pCi/L		12/13/23 12:11	
EPA 904.0	Radium-228	0.852 ± 0.478 (0.883) C:79% T:84%	pCi/L		12/07/23 14:40	
Total Radium Calculation	Total Radium	1.01 ± 0.940 (1.74)	pCi/L		12/13/23 17:31	
SM 2320B	Alkalinity, Total as CaCO3	371	mg/L	10.0	11/20/23 20:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	371	mg/L	10.0	11/20/23 20:18	
SM 2540C	Total Dissolved Solids	1110	mg/L	20.0	11/21/23 07:47	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	12/01/23 13:26	H3
HACH 8146	Iron, Ferrous	1.7	mg/L	0.50	11/16/23 15:32	H3,N2
SM 5310C	Total Organic Carbon	1.9	mg/L	1.0	12/02/23 01:47	
SM 5310C	Dissolved Organic Carbon	4.4	mg/L	1.0	12/03/23 04:31	
50359760005	**MW-104D**					
EPA 9056	Chloride	231	mg/L	2.5	12/08/23 17:33	
EPA 9056	Sulfate	472	mg/L	2.5	12/08/23 17:33	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359760005	**MW-104D**					
EPA 6010	Barium	53.1	ug/L	10.0	12/01/23 12:24	
EPA 6010	Boron	2860	ug/L	100	12/01/23 12:24	
EPA 6010	Calcium	218000	ug/L	2000	12/01/23 13:42	
EPA 6010	Iron	3310	ug/L	100	12/01/23 12:24	
EPA 6010	Lithium	58.4	ug/L	20.0	12/01/23 12:24	
EPA 6010	Magnesium	54400	ug/L	1000	12/01/23 12:24	
EPA 6010	Manganese	772	ug/L	10.0	12/01/23 12:24	
EPA 6010	Molybdenum	19.2	ug/L	10.0	12/01/23 12:24	
EPA 6010	Potassium	10000	ug/L	1000	12/01/23 12:24	
EPA 6010	Silica	11300	ug/L	450	12/01/23 12:24	N2
EPA 6010	Sodium	157000	ug/L	1000	12/01/23 12:24	
EPA 6010	Iron, Dissolved	2290	ug/L	100	11/30/23 03:37	
EPA 6010	Manganese, Dissolved	753	ug/L	10.0	11/30/23 03:37	
EPA 6010	Molybdenum, Dissolved	18.8	ug/L	10.0	11/30/23 03:37	
EPA 6020	Arsenic	3.7	ug/L	1.0	11/29/23 02:31	
EPA 6020	Cobalt	1.1	ug/L	1.0	11/29/23 02:31	
EPA 903.1	Radium-226	0.734 ± 0.500 (0.689) C:NA T:89%	pCi/L		12/13/23 12:11	
EPA 904.0	Radium-228	0.594 ± 0.464 (0.918) C:68% T:81%	pCi/L		12/07/23 14:40	
Total Radium Calculation	Total Radium	1.33 ± 0.964 (1.61)	pCi/L		12/13/23 17:31	
SM 2320B	Alkalinity, Total as CaCO3	360	mg/L	10.0	11/18/23 03:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	360	mg/L	10.0	11/18/23 03:46	
SM 2540C	Total Dissolved Solids	1350	mg/L	20.0	11/21/23 07:48	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	12/01/23 13:28	H3
HACH 8146	Iron, Ferrous	1.9	mg/L	0.50	11/16/23 15:33	H3,N2
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	1.0	12/03/23 04:43	
50359760006	**MW-107S**					
EPA 9056	Chloride	162	mg/L	2.5	12/04/23 05:19	
EPA 9056	Fluoride	0.70	mg/L	0.10	12/04/23 05:00	
EPA 9056	Sulfate	720	mg/L	25.0	12/04/23 05:39	
EPA 6010	Barium	17.2	ug/L	10.0	12/01/23 12:28	
EPA 6010	Boron	5320	ug/L	100	12/01/23 12:28	
EPA 6010	Calcium	199000	ug/L	1000	12/01/23 12:28	
EPA 6010	Iron	1770	ug/L	100	12/01/23 12:28	
EPA 6010	Lithium	68.3	ug/L	20.0	12/01/23 12:28	
EPA 6010	Magnesium	73400	ug/L	1000	12/01/23 12:28	
EPA 6010	Manganese	371	ug/L	10.0	12/01/23 12:28	
EPA 6010	Molybdenum	73.7	ug/L	10.0	12/01/23 12:28	
EPA 6010	Potassium	11600	ug/L	1000	12/01/23 12:28	
EPA 6010	Silica	12300	ug/L	450	12/01/23 12:28	N2
EPA 6010	Sodium	168000	ug/L	1000	12/01/23 12:28	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359760006	**MW-107S**					
EPA 6010	Iron, Dissolved	1780	ug/L	100	11/30/23 03:41	
EPA 6010	Manganese, Dissolved	394	ug/L	10.0	11/30/23 03:41	
EPA 6010	Molybdenum, Dissolved	74.8	ug/L	10.0	11/30/23 03:41	
EPA 903.1	Radium-226	1.53 ± 0.701 (0.771) C:NA T:90%	pCi/L		12/13/23 12:23	
EPA 904.0	Radium-228	1.17 ± 0.547 (0.946) C:77% T:85%	pCi/L		12/07/23 14:40	
Total Radium Calculation	Total Radium	2.70 ± 1.25 (1.72)	pCi/L		12/13/23 17:31	
SM 2320B	Alkalinity, Total as CaCO3	201	mg/L	10.0	11/20/23 20:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	201	mg/L	10.0	11/20/23 20:18	
SM 2540C	Total Dissolved Solids	1560	mg/L	20.0	11/21/23 07:48	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	12/04/23 12:34	H3
HACH 8146	Iron, Ferrous	1.5	mg/L	0.50	11/16/23 15:32	H3,N2
SM 5310C	Total Organic Carbon	1.4	mg/L	1.0	12/02/23 02:06	
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	1.0	12/03/23 05:43	
50359760007	**MW-109I MS**					
EPA 903.1	Radium-226	104.44 %REC ± NA (NA) C:NA T:NA	pCi/L		12/13/23 12:23	
EPA 904.0	Radium-228	104.50 %REC ± NA (NA) C:NA T:NA	pCi/L		12/07/23 14:42	
50359760008	**MW-109I MSD**					
EPA 903.1	Radium-226	103.21 %REC 1.19RPD ± NA (NA) C:NA T:NA	pCi/L		12/13/23 12:23	
EPA 904.0	Radium-228	112.21 %REC 7.11RPD ± NA (NA) C:NA T:NA	pCi/L		12/07/23 14:41	
50359760009	**MW-104D MS**					
EPA 903.1	Radium-226	89.77 %REC ± NA (NA) C:NA T:NA	pCi/L		12/13/23 12:23	
EPA 904.0	Radium-228	98.95 %REC ± NA (NA) C:NA T:NA	pCi/L		12/07/23 14:41	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359760010	**MW-104D MSD**					
EPA 903.1	Radium-226	75.76 %REC 16.93RPD ± NA (NA) C:NA T:NA	pCi/L		12/13/23 12:23	
EPA 904.0	Radium-228	100.76 %REC 1.81RPD ± NA (NA) C:NA T:NA	pCi/L		12/07/23 14:41	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109I **Lab ID: 50359760001** Collected: 11/15/23 11:15 Received: 11/15/23 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	**90.3**	mg/L	2.5	0.67	10		12/03/23 14:25	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.017	1		12/03/23 14:09	16984-48-8	
Sulfate	**174**	mg/L	2.5	1.9	10		12/03/23 14:25	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:17	12/01/23 12:10	7429-90-5	
Barium	**243**	ug/L	10.0	0.45	1	11/25/23 22:17	12/01/23 12:10	7440-39-3	
Boron	**1220**	ug/L	100	6.2	1	11/25/23 22:17	12/01/23 12:10	7440-42-8	
Calcium	**156000**	ug/L	1000	67.7	1	11/25/23 22:17	12/01/23 13:35	7440-70-2	
Iron	**4490**	ug/L	100	30.0	1	11/25/23 22:17	12/01/23 12:10	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/25/23 22:17	12/01/23 12:10	7439-93-2	
Magnesium	**43900**	ug/L	1000	33.6	1	11/25/23 22:17	12/01/23 12:10	7439-95-4	
Manganese	**381**	ug/L	10.0	1.8	1	11/25/23 22:17	12/01/23 12:10	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/25/23 22:17	12/01/23 12:10	7439-98-7	
Potassium	**5400**	ug/L	1000	97.8	1	11/25/23 22:17	12/01/23 12:10	7440-09-7	
Silica	**16100**	ug/L	450		1	11/25/23 22:17	12/01/23 12:10	7631-86-9	N2
Sodium	**58800**	ug/L	1000	54.8	1	11/25/23 22:17	12/01/23 12:10	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**4440**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:23	7439-89-6	
Manganese, Dissolved	**390**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:23	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 03:23	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	0.49	1	11/25/23 10:31	11/29/23 01:57	7440-36-0	
Arsenic	**2.3**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 01:57	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 01:57	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 01:57	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 01:57	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**382**	mg/L	10.0	10.0	1		11/18/23 03:14		
Alkalinity,Bicarbonate (CaCO3)	**382**	mg/L	10.0	10.0	1		11/18/23 03:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/18/23 03:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**764**	mg/L	10.0	10.0	1		11/21/23 07:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109I **Lab ID: 50359760001** Collected: 11/15/23 11:15 Received: 11/15/23 16:50 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	**7.7**	Std. Units	0.10	0.10	1		12/01/23 13:16		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 13:19	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.6**	mg/L	0.50	0.088	2.5		11/16/23 15:32	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/16/23 03:59	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/16/23 03:59	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/30/23 15:00	12/01/23 09:21		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.5**	mg/L	1.0	0.24	1		12/01/23 22:44	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.2**	mg/L	1.0	0.24	1		12/01/23 06:49		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109D **Lab ID: 50359760002** Collected: 11/15/23 11:25 Received: 11/15/23 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	**95.3**	mg/L	2.5	0.67	10		12/03/23 21:56	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.017	1		12/03/23 21:37	16984-48-8	
Sulfate	**55.1**	mg/L	2.5	1.9	10		12/03/23 21:56	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:17	12/01/23 12:20	7429-90-5	
Barium	**75.8**	ug/L	10.0	0.45	1	11/25/23 22:17	12/01/23 12:20	7440-39-3	
Boron	**1350**	ug/L	100	6.2	1	11/25/23 22:17	12/01/23 12:20	7440-42-8	
Calcium	**100000**	ug/L	1000	67.7	1	11/25/23 22:17	12/01/23 12:20	7440-70-2	
Iron	**2160**	ug/L	100	30.0	1	11/25/23 22:17	12/01/23 12:20	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/25/23 22:17	12/01/23 12:20	7439-93-2	
Magnesium	**25000**	ug/L	1000	33.6	1	11/25/23 22:17	12/01/23 12:20	7439-95-4	
Manganese	**79.6**	ug/L	10.0	1.8	1	11/25/23 22:17	12/01/23 12:20	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/25/23 22:17	12/01/23 12:20	7439-98-7	
Potassium	**2290**	ug/L	1000	97.8	1	11/25/23 22:17	12/01/23 12:20	7440-09-7	
Silica	**12700**	ug/L	450		1	11/25/23 22:17	12/01/23 12:20	7631-86-9	N2
Sodium	**63100**	ug/L	1000	54.8	1	11/25/23 22:17	12/01/23 12:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2150**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:33	7439-89-6	
Manganese, Dissolved	**78.8**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:33	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 03:33	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	0.49	1	11/25/23 10:31	11/29/23 02:21	7440-36-0	
Arsenic	**1.8**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 02:21	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 02:21	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 02:21	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 02:21	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		11/20/23 20:18		
Alkalinity,Bicarbonate (CaCO3)	**273**	mg/L	10.0	10.0	1		11/20/23 20:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/20/23 20:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**489**	mg/L	10.0	10.0	1		11/21/23 07:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109D **Lab ID: 50359760002** Collected: 11/15/23 11:25 Received: 11/15/23 16:50 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	**8.0**	Std. Units	0.10	0.10	1		12/01/23 13:25		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 13:19	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.8**	mg/L	0.20	0.035	1		11/16/23 15:33	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.22**	mg/L	0.10	0.011	1		11/16/23 04:05	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/16/23 04:05	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/30/23 15:00	12/01/23 09:23		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.3**	mg/L	1.0	0.24	1		12/01/23 23:50	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	1.0	0.24	1		12/01/23 07:50		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-107D **Lab ID: 50359760003** Collected: 11/15/23 13:16 Received: 11/15/23 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	**241**	mg/L	2.5	0.67	10		12/03/23 22:35	16887-00-6	
Fluoride	**0.37**	mg/L	0.10	0.017	1		12/03/23 22:15	16984-48-8	
Sulfate	**655**	mg/L	25.0	19.0	100		12/03/23 22:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:17	12/01/23 12:22	7429-90-5	
Barium	**55.5**	ug/L	10.0	0.45	1	11/25/23 22:17	12/01/23 12:22	7440-39-3	
Boron	**9050**	ug/L	100	6.2	1	11/25/23 22:17	12/01/23 12:22	7440-42-8	
Calcium	**246000**	ug/L	2000	135	2	11/25/23 22:17	12/01/23 13:40	7440-70-2	
Iron	**5700**	ug/L	100	30.0	1	11/25/23 22:17	12/01/23 12:22	7439-89-6	
Lithium	**55.3**	ug/L	20.0	6.8	1	11/25/23 22:17	12/01/23 12:22	7439-93-2	
Magnesium	**67700**	ug/L	1000	33.6	1	11/25/23 22:17	12/01/23 12:22	7439-95-4	
Manganese	**363**	ug/L	10.0	1.8	1	11/25/23 22:17	12/01/23 12:22	7439-96-5	
Molybdenum	**93.0**	ug/L	10.0	0.78	1	11/25/23 22:17	12/01/23 12:22	7439-98-7	
Potassium	**11700**	ug/L	1000	97.8	1	11/25/23 22:17	12/01/23 12:22	7440-09-7	
Silica	**17400**	ug/L	450		1	11/25/23 22:17	12/01/23 12:22	7631-86-9	N2
Sodium	**173000**	ug/L	1000	54.8	1	11/25/23 22:17	12/01/23 12:22	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**6080**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:34	7439-89-6	
Manganese, Dissolved	**385**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:34	7439-96-5	
Molybdenum, Dissolved	**92.8**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 03:34	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	0.49	1	11/25/23 10:31	11/29/23 02:24	7440-36-0	
Arsenic	**1.9**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 02:24	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 02:24	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 02:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 02:24	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**209**	mg/L	10.0	10.0	1		11/18/23 03:14		
Alkalinity,Bicarbonate (CaCO3)	**209**	mg/L	10.0	10.0	1		11/18/23 03:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/18/23 03:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1550**	mg/L	20.0	20.0	1		11/21/23 07:46		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-107D **Lab ID: 50359760003** Collected: 11/15/23 13:16 Received: 11/15/23 16:50 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	**7.6**	Std. Units	0.10	0.10	1		12/01/23 13:26		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 13:19	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.52**	mg/L	0.20	0.035	1		11/16/23 15:33	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/16/23 04:08	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/16/23 04:08	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.41**	mg/L	0.15	0.15	1	11/30/23 15:00	12/01/23 09:24		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/04/23 11:50	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.0**	mg/L	4.0	0.94	4		12/04/23 12:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-110S **Lab ID: 50359760004** Collected: 11/15/23 10:45 Received: 11/15/23 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	**94.9**	mg/L	2.5	0.67	10		12/03/23 23:32	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.017	1		12/03/23 23:13	16984-48-8	
Sulfate	**352**	mg/L	2.5	1.9	10		12/03/23 23:32	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:17	12/01/23 12:23	7429-90-5	
Barium	**40.0**	ug/L	10.0	0.45	1	11/25/23 22:17	12/01/23 12:23	7440-39-3	
Boron	**1550**	ug/L	100	6.2	1	11/25/23 22:17	12/01/23 12:23	7440-42-8	
Calcium	**217000**	ug/L	2000	135	2	11/25/23 22:17	12/01/23 13:41	7440-70-2	
Iron	**5060**	ug/L	100	30.0	1	11/25/23 22:17	12/01/23 12:23	7439-89-6	
Lithium	**23.8**	ug/L	20.0	6.8	1	11/25/23 22:17	12/01/23 12:23	7439-93-2	
Magnesium	**56900**	ug/L	1000	33.6	1	11/25/23 22:17	12/01/23 12:23	7439-95-4	
Manganese	**594**	ug/L	10.0	1.8	1	11/25/23 22:17	12/01/23 12:23	7439-96-5	
Molybdenum	**13.2**	ug/L	10.0	0.78	1	11/25/23 22:17	12/01/23 12:23	7439-98-7	
Potassium	**5250**	ug/L	1000	97.8	1	11/25/23 22:17	12/01/23 12:23	7440-09-7	
Silica	**13200**	ug/L	450		1	11/25/23 22:17	12/01/23 12:23	7631-86-9	N2
Sodium	**78000**	ug/L	1000	54.8	1	11/25/23 22:17	12/01/23 12:23	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**4770**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:36	7439-89-6	
Manganese, Dissolved	**591**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:36	7439-96-5	
Molybdenum, Dissolved	**13.7**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 03:36	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	0.49	1	11/25/23 10:31	11/29/23 02:27	7440-36-0	
Arsenic	**2.1**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 02:27	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 02:27	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 02:27	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 02:27	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**371**	mg/L	10.0	10.0	1		11/20/23 20:18		
Alkalinity,Bicarbonate (CaCO3)	**371**	mg/L	10.0	10.0	1		11/20/23 20:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/20/23 20:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1110**	mg/L	20.0	20.0	1		11/21/23 07:47		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-110S **Lab ID: 50359760004** Collected: 11/15/23 10:45 Received: 11/15/23 16:50 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	**7.8**	Std. Units	0.10	0.10	1		12/01/23 13:26		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 13:19	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.7**	mg/L	0.50	0.088	2.5		11/16/23 15:32	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/16/23 03:48	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/16/23 03:48	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/30/23 15:00	12/01/23 09:25		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.9**	mg/L	1.0	0.24	1		12/02/23 01:47	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.4**	mg/L	1.0	0.24	1		12/03/23 04:31		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-104D **Lab ID: 50359760005** Collected: 11/15/23 13:40 Received: 11/15/23 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	**231**	mg/L	2.5	0.67	10		12/08/23 17:33	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		12/04/23 01:28	16984-48-8	
Sulfate	**472**	mg/L	2.5	1.9	10		12/08/23 17:33	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:17	12/01/23 12:24	7429-90-5	
Barium	**53.1**	ug/L	10.0	0.45	1	11/25/23 22:17	12/01/23 12:24	7440-39-3	
Boron	**2860**	ug/L	100	6.2	1	11/25/23 22:17	12/01/23 12:24	7440-42-8	
Calcium	**218000**	ug/L	2000	135	2	11/25/23 22:17	12/01/23 13:42	7440-70-2	
Iron	**3310**	ug/L	100	30.0	1	11/25/23 22:17	12/01/23 12:24	7439-89-6	
Lithium	**58.4**	ug/L	20.0	6.8	1	11/25/23 22:17	12/01/23 12:24	7439-93-2	
Magnesium	**54400**	ug/L	1000	33.6	1	11/25/23 22:17	12/01/23 12:24	7439-95-4	
Manganese	**772**	ug/L	10.0	1.8	1	11/25/23 22:17	12/01/23 12:24	7439-96-5	
Molybdenum	**19.2**	ug/L	10.0	0.78	1	11/25/23 22:17	12/01/23 12:24	7439-98-7	
Potassium	**10000**	ug/L	1000	97.8	1	11/25/23 22:17	12/01/23 12:24	7440-09-7	
Silica	**11300**	ug/L	450		1	11/25/23 22:17	12/01/23 12:24	7631-86-9	N2
Sodium	**157000**	ug/L	1000	54.8	1	11/25/23 22:17	12/01/23 12:24	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2290**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:37	7439-89-6	
Manganese, Dissolved	**753**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:37	7439-96-5	
Molybdenum, Dissolved	**18.8**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 03:37	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	0.49	1	11/25/23 10:31	11/29/23 02:31	7440-36-0	
Arsenic	**3.7**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 02:31	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 02:31	7440-41-7	
Cobalt	**1.1**	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 02:31	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 02:31	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**360**	mg/L	10.0	10.0	1		11/18/23 03:46		
Alkalinity,Bicarbonate (CaCO3)	**360**	mg/L	10.0	10.0	1		11/18/23 03:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/18/23 03:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1350**	mg/L	20.0	20.0	1		11/21/23 07:48		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-104D **Lab ID: 50359760005** Collected: 11/15/23 13:40 Received: 11/15/23 16:50 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	**7.1**	Std. Units	0.10	0.10	1		12/01/23 13:28		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 13:19	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.9**	mg/L	0.50	0.088	2.5		11/16/23 15:33	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/16/23 04:10	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/16/23 04:10	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/30/23 15:00	12/01/23 08:05		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/04/23 12:16	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.5**	mg/L	1.0	0.24	1		12/03/23 04:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-107S **Lab ID: 50359760006** Collected: 11/15/23 10:45 Received: 11/15/23 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	**162**	mg/L	2.5	0.67	10		12/04/23 05:19	16887-00-6	
Fluoride	**0.70**	mg/L	0.10	0.017	1		12/04/23 05:00	16984-48-8	
Sulfate	**720**	mg/L	25.0	19.0	100		12/04/23 05:39	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:17	12/01/23 12:28	7429-90-5	
Barium	**17.2**	ug/L	10.0	0.45	1	11/25/23 22:17	12/01/23 12:28	7440-39-3	
Boron	**5320**	ug/L	100	6.2	1	11/25/23 22:17	12/01/23 12:28	7440-42-8	
Calcium	**199000**	ug/L	1000	67.7	1	11/25/23 22:17	12/01/23 12:28	7440-70-2	
Iron	**1770**	ug/L	100	30.0	1	11/25/23 22:17	12/01/23 12:28	7439-89-6	
Lithium	**68.3**	ug/L	20.0	6.8	1	11/25/23 22:17	12/01/23 12:28	7439-93-2	
Magnesium	**73400**	ug/L	1000	33.6	1	11/25/23 22:17	12/01/23 12:28	7439-95-4	
Manganese	**371**	ug/L	10.0	1.8	1	11/25/23 22:17	12/01/23 12:28	7439-96-5	
Molybdenum	**73.7**	ug/L	10.0	0.78	1	11/25/23 22:17	12/01/23 12:28	7439-98-7	
Potassium	**11600**	ug/L	1000	97.8	1	11/25/23 22:17	12/01/23 12:28	7440-09-7	
Silica	**12300**	ug/L	450		1	11/25/23 22:17	12/01/23 12:28	7631-86-9	N2
Sodium	**168000**	ug/L	1000	54.8	1	11/25/23 22:17	12/01/23 12:28	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1780**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:41	7439-89-6	
Manganese, Dissolved	**394**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:41	7439-96-5	
Molybdenum, Dissolved	**74.8**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 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	0.49	1	11/25/23 10:31	11/29/23 02:47	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 02:47	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 02:47	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 02:47	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 02:47	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		11/20/23 20:18		
Alkalinity,Bicarbonate (CaCO3)	**201**	mg/L	10.0	10.0	1		11/20/23 20:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/20/23 20:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1560**	mg/L	20.0	20.0	1		11/21/23 07:48		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-107S **Lab ID: 50359760006** Collected: 11/15/23 10:45 Received: 11/15/23 16:50 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	**7.0**	Std. Units	0.10	0.10	1		12/04/23 12:34		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 15:08	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.5**	mg/L	0.50	0.088	2.5		11/16/23 15:32	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/17/23 00:31	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/17/23 00:31	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	11/30/23 15:00	12/01/23 09:25		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.4**	mg/L	1.0	0.24	1		12/02/23 02:06	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.6**	mg/L	1.0	0.24	1		12/03/23 05:43		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765133
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

METHOD BLANK: 3506567 Matrix: Water
Associated Lab Samples: 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/03/23 19:20	
Fluoride	mg/L	ND	0.10	0.017	12/03/23 19:20	
Sulfate	mg/L	ND	0.25	0.19	12/03/23 19:20	

LABORATORY CONTROL SAMPLE: 3506568

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	1.0	100	80-120	
Sulfate	mg/L	5	4.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506569 3506570

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	231	25	25	245	244	59	52	80-120	1	15	M0
Fluoride	mg/L	ND	1	1	1.0	1.0	96	91	80-120	4	15	
Sulfate	mg/L	472	50	50	501	499	59	55	80-120	0	15	E,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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765136
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50359760001

METHOD BLANK: 3506579 Matrix: Water
Associated Lab Samples: 50359760001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/03/23 13:38	
Fluoride	mg/L	ND	0.10	0.017	12/03/23 13:38	
Sulfate	mg/L	ND	0.25	0.19	12/03/23 13:38	

LABORATORY CONTROL SAMPLE: 3506580

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	0.98	98	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506581 3506582

Parameter	Units	50359849001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.5	25	25	49.7	49.7	97	97	80-120	0	15	
Fluoride	mg/L	0.28	1	1	1.3	1.3	99	99	80-120	0	15	
Sulfate	mg/L	40.2	5	5	45.4	45.4	103	103	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507426 3507427

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	90.3	25	25	116	113	103	92	80-120	2	15	
Fluoride	mg/L	0.11	1	1	1.1	1.1	101	102	80-120	1	15	
Sulfate	mg/L	174	50	50	222	219	97	91	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 764434
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

METHOD BLANK: 3503910 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	12/01/23 12:04	
Barium	ug/L	ND	10.0	0.45	12/01/23 12:04	
Boron	ug/L	ND	100	6.2	12/01/23 12:04	
Calcium	ug/L	ND	1000	67.7	12/01/23 13:31	
Iron	ug/L	ND	100	30.0	12/01/23 12:04	
Lithium	ug/L	ND	20.0	6.8	12/01/23 12:04	
Magnesium	ug/L	ND	1000	33.6	12/01/23 12:04	
Manganese	ug/L	ND	10.0	1.8	12/01/23 12:04	
Molybdenum	ug/L	ND	10.0	0.78	12/01/23 12:04	
Potassium	ug/L	ND	1000	97.8	12/01/23 12:04	
Silica	ug/L	ND	450		12/01/23 12:04	N2
Sodium	ug/L	ND	1000	54.8	12/01/23 12:04	

LABORATORY CONTROL SAMPLE: 3503911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10400	104	80-120	
Barium	ug/L	1000	995	99	80-120	
Boron	ug/L	1000	984	98	80-120	
Calcium	ug/L	10000	10100	101	80-120	
Iron	ug/L	10000	10300	103	80-120	
Lithium	ug/L	1000	1030	103	80-120	
Magnesium	ug/L	10000	10200	102	80-120	
Manganese	ug/L	1000	973	97	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	9860	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503912 3503913

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10400	10300	104	102	75-125	2	20	
Barium	ug/L	243	1000	1000	1240	1230	100	99	75-125	1	20	
Boron	ug/L	1220	1000	1000	2270	2270	105	105	75-125	0	20	
Calcium	ug/L	156000	10000	10000	166000	171000	100	151	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503912 3503913

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	4490	10000	10000	14800	14600	103	101	75-125	1	20	
Lithium	ug/L	ND	1000	1000	1070	1040	105	103	75-125	2	20	
Magnesium	ug/L	43900	10000	10000	53700	53900	98	100	75-125	0	20	
Manganese	ug/L	381	1000	1000	1350	1330	97	95	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1050	1030	105	102	75-125	2	20	
Potassium	ug/L	5400	10000	10000	15800	15500	104	101	75-125	2	20	
Silica	ug/L	16100	10700	10700	27100	27200	104	104	75-125	0	20	N2
Sodium	ug/L	58800	10000	10000	68800	68600	100	98	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503914 3503915

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10200	10100	102	101	75-125	1	20	
Barium	ug/L	53.1	1000	1000	1040	1020	99	97	75-125	2	20	
Boron	ug/L	2860	1000	1000	3890	3890	103	103	75-125	0	20	
Calcium	ug/L	218000	10000	10000	225000	230000	78	121	75-125	2	20	
Iron	ug/L	3310	10000	10000	13200	13100	99	98	75-125	1	20	
Lithium	ug/L	58.4	1000	1000	1080	1070	102	101	75-125	1	20	
Magnesium	ug/L	54400	10000	10000	64200	63800	97	94	75-125	1	20	
Manganese	ug/L	772	1000	1000	1710	1700	93	92	75-125	0	20	
Molybdenum	ug/L	19.2	1000	1000	1050	1040	103	102	75-125	1	20	
Potassium	ug/L	10000	10000	10000	20200	20100	102	101	75-125	1	20	
Silica	ug/L	11300	10700	10700	22200	22000	102	101	75-125	1	20	N2
Sodium	ug/L	157000	10000	10000	166000	164000	90	77	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765309
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

METHOD BLANK: 3507186 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/30/23 03:22	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/30/23 03:22	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/30/23 03:22	

LABORATORY CONTROL SAMPLE: 3507187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	10200	102	80-120	
Manganese, Dissolved	ug/L	1000	986	99	80-120	
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507188 3507189

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	4440	10000	10000	13900	13900	94	95	75-125	1	20	
Manganese, Dissolved	ug/L	390	1000	1000	1310	1320	92	93	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1000	1010	100	101	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507190 3507191

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	2290	10000	10000	11800	11900	95	96	75-125	1	20	
Manganese, Dissolved	ug/L	753	1000	1000	1660	1670	91	91	75-125	0	20	
Molybdenum, Dissolved	ug/L	18.8	1000	1000	1020	1030	101	101	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 764638
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

METHOD BLANK: 3504859 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/29/23 01:34	
Arsenic	ug/L	ND	1.0	0.075	11/29/23 01:34	
Beryllium	ug/L	ND	0.20	0.035	11/29/23 01:34	
Cobalt	ug/L	ND	1.0	0.046	11/29/23 01:34	
Selenium	ug/L	ND	1.0	0.20	11/29/23 01:34	

LABORATORY CONTROL SAMPLE: 3504860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.6	102	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Beryllium	ug/L	40	39.4	99	80-120	
Cobalt	ug/L	40	42.1	105	80-120	
Selenium	ug/L	40	40.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504861 3504862

Parameter	Units	50359760001 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	41.0	41.1	102	103	75-125	0	20	
Arsenic	ug/L	2.3	40	40	40.9	41.6	97	98	75-125	2	20	
Beryllium	ug/L	ND	40	40	40.9	41.2	102	103	75-125	1	20	
Cobalt	ug/L	ND	40	40	39.4	40.0	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	39.4	40.6	98	102	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504863 3504864

Parameter	Units	50359760005 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	41.5	41.4	104	103	75-125	0	20	
Arsenic	ug/L	3.7	40	40	42.9	43.0	98	98	75-125	0	20	
Beryllium	ug/L	ND	40	40	42.8	43.0	107	107	75-125	0	20	
Cobalt	ug/L	1.1	40	40	40.8	40.9	99	99	75-125	0	20	
Selenium	ug/L	ND	40	40	40.7	41.2	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763744
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760003

METHOD BLANK: 3501087 Matrix: Water
Associated Lab Samples: 50359760001, 50359760003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/18/23 03:14	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/18/23 03:14	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/18/23 03:14	

LABORATORY CONTROL SAMPLE: 3501088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.9	100	90-110	

SAMPLE DUPLICATE: 3501089

Parameter	Units	50359790005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	413	422	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	413	422	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3501090

Parameter	Units	50359760001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	382	394	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	382	394	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763745
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760005

METHOD BLANK: 3501092 Matrix: Water
Associated Lab Samples: 50359760005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/18/23 03:46	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/18/23 03:46	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/18/23 03:46	

LABORATORY CONTROL SAMPLE: 3501093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	90-110	

SAMPLE DUPLICATE: 3501094

Parameter	Units	50359710001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	332	340	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	332	340	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3501095

Parameter	Units	50359760005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	360	367	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	360	367	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 764102
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760002, 50359760004, 50359760006

METHOD BLANK: 3502492 Matrix: Water
Associated Lab Samples: 50359760002, 50359760004, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/20/23 20:18	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/20/23 20:18	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/20/23 20:18	

LABORATORY CONTROL SAMPLE: 3502493

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	54.3	109	90-110	

SAMPLE DUPLICATE: 3502494

Parameter	Units	50359790003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	322	329	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	322	329	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3502495

Parameter	Units	50359827005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	148	152	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	148	152	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 764107 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

METHOD BLANK: 3502508 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/21/23 07:41	

LABORATORY CONTROL SAMPLE: 3502509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	281	94	80-120	

SAMPLE DUPLICATE: 3502510

Parameter	Units	50359760001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	764	772	1	10	

SAMPLE DUPLICATE: 3502511

Parameter	Units	50359760005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1350	1300	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765803
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: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005

SAMPLE DUPLICATE: 3509230

Parameter	Units	50359760001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.6	1	2	H3

SAMPLE DUPLICATE: 3509231

Parameter	Units	50359760005 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.2	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 766081
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: 50359760006

SAMPLE DUPLICATE: 3510400

Parameter	Units	50359760006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.1	1	2	H3

SAMPLE DUPLICATE: 3510401

Parameter	Units	50359849001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.4	8.3	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763326 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005

METHOD BLANK: 3498717 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/16/23 13:19	

LABORATORY CONTROL SAMPLE: 3498718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498719 3498720

Parameter	Units	50359790005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.52	0.52	105	103	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498721 3498722

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.54	107	108	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498723 3498724

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.25	0.28	47	53	90-110	12	20	M3

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763412
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760006

METHOD BLANK: 3499351 Matrix: Water
Associated Lab Samples: 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/16/23 15:08	

LABORATORY CONTROL SAMPLE: 3499352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.51	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3499353 3499354

Parameter	Units	50359790010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.52	105	104	90-110	1	20	

MATRIX SPIKE SAMPLE: 3499355

Parameter	Units	50359789007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.54	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763335 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

METHOD BLANK: 3498769 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/16/23 15:28	H3,N2

LABORATORY CONTROL SAMPLE: 3498770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.99	99	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498771 3498772

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.6	5	5	6.5	6.5	99	99	90-110	0	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498773 3498774

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.9	5	5	6.9	6.9	99	99	90-110	0	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763235
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: 50359760004

METHOD BLANK: 3498317 Matrix: Water
Associated Lab Samples: 50359760004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/16/23 02:56	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/16/23 02:56	

LABORATORY CONTROL SAMPLE: 3498318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 3498319

Parameter	Units	50359713001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	4.7	5	10.1	108	90-110	
Nitrogen, Nitrite	mg/L	ND	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498320 3498321

Parameter	Units	50359701002 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	0.57	1	1	1.6	1.6	107	108	90-110	0	20	
Nitrogen, Nitrite	mg/L	0.045J	1	1	1.1	1.1	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763239
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: 50359760001, 50359760002, 50359760003, 50359760005

METHOD BLANK: 3498332 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/16/23 04:42	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/16/23 04:42	

LABORATORY CONTROL SAMPLE: 3498333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	105	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498334 3498335

Parameter	Units	50359760001 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	102	90-110	2	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.1	1.1	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3498336 3498337

Parameter	Units	50359760005 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	1.1	102	104	90-110	2	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.1	1.1	104	105	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 763503
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: 50359760006

METHOD BLANK: 3499825 Matrix: Water
Associated Lab Samples: 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/17/23 00:18	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/17/23 00:18	

LABORATORY CONTROL SAMPLE: 3499826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3499827 3499828

Parameter	Units	50359836001 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	2.2	1	1	3.1	3.1	97	97	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.1	1.1	105	105	90-110	0	20	

MATRIX SPIKE SAMPLE: 3499829

Parameter	Units	50359836003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	8.8	10	19.0	102	90-110	
Nitrogen, Nitrite	mg/L	ND	10	10.5	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765492 | Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 | Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760006

METHOD BLANK: 3507989 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/01/23 09:14	

LABORATORY CONTROL SAMPLE: 3507990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507991 3507992

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.7	1.6				5		

MATRIX SPIKE SAMPLE: 3507993

Parameter	Units	50359732003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	0.15		1.6			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765493
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760005

METHOD BLANK: 3507994 Matrix: Water
Associated Lab Samples: 50359760005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/01/23 08:02	

LABORATORY CONTROL SAMPLE: 3507995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507996 3507997

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.6	1.6				2		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765881 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760006

METHOD BLANK: 3509596 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/01/23 21:09	

LABORATORY CONTROL SAMPLE: 3509597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.3	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509598 3509599

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.5	10	10	12.9	13.1	93	95	80-120	2	20	

MATRIX SPIKE SAMPLE: 3509601

Parameter	Units	50359760002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.3	10	10.5	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765882
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760005

METHOD BLANK: 3509605 Matrix: Water
Associated Lab Samples: 50359760005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/02/23 08:25	

LABORATORY CONTROL SAMPLE: 3509606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.4	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509607 3509608

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	10	10	11.0	11.1	96	97	80-120	0	20	

MATRIX SPIKE SAMPLE: 3509609

Parameter	Units	50360398001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	4.9	10	14.4	96	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765508
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760001, 50359760002

METHOD BLANK: 3508050 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	11/30/23 22:39	

LABORATORY CONTROL SAMPLE: 3508051

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: 3508052 3508053

Parameter	Units	50359710001 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	10.3	9.8	96	91	80-120	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3508054 3508055

Parameter	Units	50359760001 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	3.2	10	10	12.8	12.8	96	96	80-120	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 765968 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359760003, 50359760004, 50359760005, 50359760006

METHOD BLANK: 3510138 Matrix: Water
Associated Lab Samples: 50359760003, 50359760004, 50359760005, 50359760006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/03/23 03:58	

LABORATORY CONTROL SAMPLE: 3510139

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: 3510140 3510141

Parameter	Units	50359760005 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	2.5	10	10	11.8	11.9	94	94	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510142 3510143

Parameter	Units	50359882002 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	11.4	11.5	97	98	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109I **Lab ID: 50359760001** Collected: 11/15/23 11:15 Received: 11/15/23 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	**1.48 ± 0.611 (0.605) C:NA T:81%**	pCi/L	12/13/23 12:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.619 ± 0.398 (0.734) C:71% T:82%**	pCi/L	12/07/23 14:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.10 ± 1.01 (1.34)**	pCi/L	12/13/23 17:31	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109D **Lab ID: 50359760002** Collected: 11/15/23 11:25 Received: 11/15/23 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	**0.530 ± 0.491 (0.747) C:NA T:92%**	pCi/L	12/13/23 12:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.47 ± 0.619 (1.03) C:70% T:84%**	pCi/L	12/07/23 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.00 ± 1.11 (1.78)**	pCi/L	12/13/23 17:31	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-107D **Lab ID: 50359760003** Collected: 11/15/23 13:16 Received: 11/15/23 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	**0.271 ± 0.439 (0.764) C:NA T:91%**	pCi/L	12/13/23 12:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.31 ± 0.648 (1.15) C:64% T:76%**	pCi/L	12/07/23 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.58 ± 1.09 (1.91)**	pCi/L	12/13/23 17:31	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-110S **Lab ID: 50359760004** Collected: 11/15/23 10:45 Received: 11/15/23 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	**0.162 ± 0.462 (0.857) C:NA T:92%**	pCi/L	12/13/23 12:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.852 ± 0.478 (0.883) C:79% T:84%**	pCi/L	12/07/23 14:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.01 ± 0.940 (1.74)**	pCi/L	12/13/23 17:31	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-104D **Lab ID: 50359760005** Collected: 11/15/23 13:40 Received: 11/15/23 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	**0.734 ± 0.500 (0.689) C:NA T:89%**	pCi/L	12/13/23 12:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.594 ± 0.464 (0.918) C:68% T:81%**	pCi/L	12/07/23 14:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.33 ± 0.964 (1.61)**	pCi/L	12/13/23 17:31	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-107S **Lab ID: 50359760006** Collected: 11/15/23 10:45 Received: 11/15/23 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	**1.53 ± 0.701 (0.771) C:NA T:90%**	pCi/L	12/13/23 12:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.17 ± 0.547 (0.946) C:77% T:85%**	pCi/L	12/07/23 14:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.70 ± 1.25 (1.72)**	pCi/L	12/13/23 17:31	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109I MS **Lab ID: 50359760007** Collected: 11/15/23 11:15 Received: 11/15/23 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	**104.44 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/13/23 12:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**104.50 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/07/23 14:42	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-109I MSD **Lab ID: 50359760008** Collected: 11/15/23 11:15 Received: 11/15/23 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	**103.21 %REC 1.19RPD ± NA (NA) C:NA T:NA**	pCi/L	12/13/23 12:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**112.21 %REC 7.11RPD ± NA (NA) C:NA T:NA**	pCi/L	12/07/23 14:41	15262-20-1	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-104D MS **Lab ID: 50359760009** Collected: 11/15/23 13:40 Received: 11/15/23 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	**89.77 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/13/23 12:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**98.95 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/07/23 14:41	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Sample: MW-104D MSD **Lab ID: 50359760010** Collected: 11/15/23 13:40 Received: 11/15/23 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	**75.76 %REC 16.93RPD ± NA (NA) C:NA T:NA**	pCi/L	12/13/23 12:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**100.76 %REC 1.81RPD ± NA (NA) C:NA T:NA**	pCi/L	12/07/23 14:41	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 631084
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: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006, 50359760007, 50359760008, 50359760009, 50359760010

METHOD BLANK: 3076887 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006, 50359760007, 50359760008, 50359760009, 50359760010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.363 ± 0.402 (0.839) C:67% T:85%	pCi/L	12/07/23 14:37	

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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

QC Batch: 631083
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: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006, 50359760007, 50359760008, 50359760009, 50359760010

METHOD BLANK: 3076885 Matrix: Water
Associated Lab Samples: 50359760001, 50359760002, 50359760003, 50359760004, 50359760005, 50359760006, 50359760007, 50359760008, 50359760009, 50359760010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0429 ± 0.223 (0.515) C:NA T:95%	pCi/L	12/13/23 11:56	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359760001	**MW-109I**	EPA 9056	765136		
50359760002	**MW-109D**	EPA 9056	765133		
50359760003	**MW-107D**	EPA 9056	765133		
50359760004	**MW-110S**	EPA 9056	765133		
50359760005	**MW-104D**	EPA 9056	765133		
50359760006	**MW-107S**	EPA 9056	765133		
50359760001	**MW-109I**	EPA 3010	764434	EPA 6010	765800
50359760002	**MW-109D**	EPA 3010	764434	EPA 6010	765800
50359760003	**MW-107D**	EPA 3010	764434	EPA 6010	765800
50359760004	**MW-110S**	EPA 3010	764434	EPA 6010	765800
50359760005	**MW-104D**	EPA 3010	764434	EPA 6010	765800
50359760006	**MW-107S**	EPA 3010	764434	EPA 6010	765800
50359760001	**MW-109I**	EPA 3010	765309	EPA 6010	765474
50359760002	**MW-109D**	EPA 3010	765309	EPA 6010	765474
50359760003	**MW-107D**	EPA 3010	765309	EPA 6010	765474
50359760004	**MW-110S**	EPA 3010	765309	EPA 6010	765474
50359760005	**MW-104D**	EPA 3010	765309	EPA 6010	765474
50359760006	**MW-107S**	EPA 3010	765309	EPA 6010	765474
50359760001	**MW-109I**	EPA 200.2	764638	EPA 6020	764772
50359760002	**MW-109D**	EPA 200.2	764638	EPA 6020	764772
50359760003	**MW-107D**	EPA 200.2	764638	EPA 6020	764772
50359760004	**MW-110S**	EPA 200.2	764638	EPA 6020	764772
50359760005	**MW-104D**	EPA 200.2	764638	EPA 6020	764772
50359760006	**MW-107S**	EPA 200.2	764638	EPA 6020	764772
50359760001	**MW-109I**	EPA 903.1	631083		
50359760002	**MW-109D**	EPA 903.1	631083		
50359760003	**MW-107D**	EPA 903.1	631083		
50359760004	**MW-110S**	EPA 903.1	631083		
50359760005	**MW-104D**	EPA 903.1	631083		
50359760006	**MW-107S**	EPA 903.1	631083		
50359760007	**MW-109I MS**	EPA 903.1	631083		
50359760008	**MW-109I MSD**	EPA 903.1	631083		
50359760009	**MW-104D MS**	EPA 903.1	631083		
50359760010	**MW-104D MSD**	EPA 903.1	631083		
50359760001	**MW-109I**	EPA 904.0	631084		
50359760002	**MW-109D**	EPA 904.0	631084		
50359760003	**MW-107D**	EPA 904.0	631084		
50359760004	**MW-110S**	EPA 904.0	631084		
50359760005	**MW-104D**	EPA 904.0	631084		
50359760006	**MW-107S**	EPA 904.0	631084		
50359760007	**MW-109I MS**	EPA 904.0	631084		
50359760008	**MW-109I MSD**	EPA 904.0	631084		
50359760009	**MW-104D MS**	EPA 904.0	631084		
50359760010	**MW-104D MSD**	EPA 904.0	631084		
50359760001	**MW-109I**	Total Radium Calculation	635912		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359760002	**MW-109D**	Total Radium Calculation	635912		
50359760003	**MW-107D**	Total Radium Calculation	635912		
50359760004	**MW-110S**	Total Radium Calculation	635912		
50359760005	**MW-104D**	Total Radium Calculation	635912		
50359760006	**MW-107S**	Total Radium Calculation	635912		
50359760001	**MW-109I**	SM 2320B	763744		
50359760002	**MW-109D**	SM 2320B	764102		
50359760003	**MW-107D**	SM 2320B	763744		
50359760004	**MW-110S**	SM 2320B	764102		
50359760005	**MW-104D**	SM 2320B	763745		
50359760006	**MW-107S**	SM 2320B	764102		
50359760001	**MW-109I**	SM 2540C	764107		
50359760002	**MW-109D**	SM 2540C	764107		
50359760003	**MW-107D**	SM 2540C	764107		
50359760004	**MW-110S**	SM 2540C	764107		
50359760005	**MW-104D**	SM 2540C	764107		
50359760006	**MW-107S**	SM 2540C	764107		
50359760001	**MW-109I**	SM 4500-H+B	765803		
50359760002	**MW-109D**	SM 4500-H+B	765803		
50359760003	**MW-107D**	SM 4500-H+B	765803		
50359760004	**MW-110S**	SM 4500-H+B	765803		
50359760005	**MW-104D**	SM 4500-H+B	765803		
50359760006	**MW-107S**	SM 4500-H+B	766081		
50359760001	**MW-109I**	SM 4500-S2-D	763326		
50359760002	**MW-109D**	SM 4500-S2-D	763326		
50359760003	**MW-107D**	SM 4500-S2-D	763326		
50359760004	**MW-110S**	SM 4500-S2-D	763326		
50359760005	**MW-104D**	SM 4500-S2-D	763326		
50359760006	**MW-107S**	SM 4500-S2-D	763412		
50359760001	**MW-109I**	HACH 8146	763335		
50359760002	**MW-109D**	HACH 8146	763335		
50359760003	**MW-107D**	HACH 8146	763335		
50359760004	**MW-110S**	HACH 8146	763335		
50359760005	**MW-104D**	HACH 8146	763335		
50359760006	**MW-107S**	HACH 8146	763335		
50359760001	**MW-109I**	EPA 353.2	763239		
50359760002	**MW-109D**	EPA 353.2	763239		
50359760003	**MW-107D**	EPA 353.2	763239		
50359760004	**MW-110S**	EPA 353.2	763235		
50359760005	**MW-104D**	EPA 353.2	763239		
50359760006	**MW-107S**	EPA 353.2	763503		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359760

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359760001	**MW-109I**	EPA 365.1	765492	EPA 365.1	765771
50359760002	**MW-109D**	EPA 365.1	765492	EPA 365.1	765771
50359760003	**MW-107D**	EPA 365.1	765492	EPA 365.1	765771
50359760004	**MW-110S**	EPA 365.1	765492	EPA 365.1	765771
50359760005	**MW-104D**	EPA 365.1	765493	EPA 365.1	765747
50359760006	**MW-107S**	EPA 365.1	765492	EPA 365.1	765771
50359760001	**MW-109I**	SM 5310C	765881		
50359760002	**MW-109D**	SM 5310C	765881		
50359760003	**MW-107D**	SM 5310C	765881		
50359760004	**MW-110S**	SM 5310C	765881		
50359760005	**MW-104D**	SM 5310C	765882		
50359760006	**MW-107S**	SM 5310C	765881		
50359760001	**MW-109I**	SM 5310C	765508		
50359760002	**MW-109D**	SM 5310C	765508		
50359760003	**MW-107D**	SM 5310C	765968		
50359760004	**MW-110S**	SM 5310C	765968		
50359760005	**MW-104D**	SM 5310C	765968		
50359760006	**MW-107S**	SM 5310C	765968		

PIR2

WO# : 50359760

50359760

Pace

CHAIN-OF-CU

The Chain-of-Custody … accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of th… as-standard-terms.pdf.

Page : 1 Of 1

Section A	Section B	Sec…
Required Client Information:	**Required Project Information:**	Inv…
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date:	Project #:	**Pace Profile #: 10498-48**

Regulatory Agency	
State / Location	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
	MATRIX: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS																	Requested Analysis Filtered (Y/N)														
1	MW-109I (MS/MSD-4)	WT		11-15	1115				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x			001
2	MS-4	WT		11-15	1115				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x			
3	MSD-4	WT		11-15	1115				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x			
4	MW-109D	WT		11-15	1125				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x			002
5	MW-107D	WT		11-15	1316				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x			003
6	MW-110S	WT		11-15	1045														x	x	x	x	x	x	x	x	x	x			004
7	MW-104D	WT			1340														x	x	x	x	x	x	x	x	x	x			005
8	MS 3	WT																	x	x	x	x	x	x	x	x	x	x			
9	MSD3	WT																	x	x	x	x	x	x	x	x	x	x			
10		WT																	x	x	x	x	x	x	x	x	x	x			
11		WT																	x	x	x	x	x	x	x	x	x	x			
12																			x	x	x	x	x	x	x	x	x	x			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	(MW-109D)	11-15	1400	JAM	11-15	1400				
6020 - Be,Co, As, Se, Sb (5)	(MW-109I, MS/MSD)4	↓	1400	JAM	↓	1400				
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)	Atlas JAM		1440	JAM		1440				
6010 diss - Fe, Mn, Mo (3)	JAM	11.15	1650	Maureen Winchester	11/15/23	1650	See SWE	Y	N	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	P. Greg Happ…	TEMP in C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:	DATE Signed: 11-15-23	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/15/23 1532 - MDW

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G (H)

4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.8/1.8	.6/.6	1.2/1.2	2.2/2.2

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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: 1923			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: 1.8/1.6°C - MDW 11/15/23

- Rcvd containers not on COC, check container count - MDW 11/15/23

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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	3			6	6	3	3	3	3		3					WT	✓	✓		✓
2																																	
3																																	
4													1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
5													↓	↓			↓	↓	↓	↓	↓	↓		↓					↓	↓	↓		↓
6													1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
7													3	3			6	6	3	3	3	3		3					↓	↓	↓		↓
8																																	
9																																	
10													1	1			2	2	1	1	1	1		1					WT	✓	✓		✓
11										MW-1075				11/15/23			1045																
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 16, 2023. 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,

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: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50359859001	**PZ-101S**	Water	11/16/23 09:15	11/16/23 11:13
50359859002	**MW-107I**	Water	11/16/23 09:10	11/16/23 11:13
50359859003	**MW-102D**	Water	11/16/23 09:00	11/16/23 11:13
50359859004	**Dup 6**	Water	11/16/23 08:00	11/16/23 11:13

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50359859001	**PZ-101S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359859002	**MW-107I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359859003	**MW-102D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	CLM	1	PASI-PA

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50359859004	**Dup 6**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	CAW	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	MTW	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359859001	**PZ-101S**					
EPA 9056	Chloride	223	mg/L	25.0	12/04/23 05:24	
EPA 9056	Fluoride	0.19	mg/L	0.10	12/04/23 04:47	
EPA 9056	Sulfate	437	mg/L	25.0	12/04/23 05:24	
EPA 6010	Barium	120	ug/L	10.0	11/30/23 00:21	
EPA 6010	Boron	3190	ug/L	100	11/30/23 00:21	
EPA 6010	Calcium	234000	ug/L	2000	11/30/23 00:29	
EPA 6010	Iron	7330	ug/L	100	11/30/23 00:21	
EPA 6010	Lithium	85.6	ug/L	20.0	11/30/23 00:21	
EPA 6010	Magnesium	52300	ug/L	1000	11/30/23 00:21	
EPA 6010	Manganese	581	ug/L	10.0	11/30/23 00:21	
EPA 6010	Molybdenum	112	ug/L	10.0	11/30/23 00:21	
EPA 6010	Potassium	14000	ug/L	1000	11/30/23 00:21	
EPA 6010	Silica	13900	ug/L	450	11/30/23 00:21	N2
EPA 6010	Sodium	182000	ug/L	1000	11/30/23 00:21	
EPA 6010	Iron, Dissolved	7140	ug/L	100	11/30/23 03:57	
EPA 6010	Manganese, Dissolved	588	ug/L	10.0	11/30/23 03:57	
EPA 6010	Molybdenum, Dissolved	111	ug/L	10.0	11/30/23 03:57	
EPA 6020	Arsenic	10.2	ug/L	1.0	11/29/23 03:11	
EPA 903.1	Radium-226	1.72 ± 0.887 (1.09) C:NA T:86%	pCi/L		12/13/23 16:29	
EPA 904.0	Radium-228	0.745 ± 0.445 (0.831) C:82% T:80%	pCi/L		12/07/23 13:38	
Total Radium Calculation	Total Radium	2.47 ± 1.33 (1.92)	pCi/L		12/14/23 14:51	
SM 2320B	Alkalinity, Total as CaCO3	377	mg/L	10.0	11/21/23 02:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	377	mg/L	10.0	11/21/23 02:38	
SM 2540C	Total Dissolved Solids	1470	mg/L	20.0	11/22/23 07:20	
SM 4500-H+B	pH at 25 Degrees C	7.8	Std. Units	0.10	12/04/23 13:13	H3
EPA 365.1	Phosphate as P04	0.32	mg/L	0.15	12/01/23 13:47	
SM 5310C	Total Organic Carbon	2.4	mg/L	1.0	12/02/23 02:49	
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	2.0	12/04/23 11:51	
50359859002	**MW-107I**					
EPA 9056	Chloride	248	mg/L	2.5	12/04/23 06:37	
EPA 9056	Fluoride	0.54	mg/L	0.10	12/04/23 06:19	
EPA 9056	Sulfate	657	mg/L	25.0	12/04/23 06:56	
EPA 6010	Barium	38.0	ug/L	10.0	11/30/23 00:22	
EPA 6010	Boron	6090	ug/L	100	11/30/23 00:22	
EPA 6010	Calcium	199000	ug/L	1000	11/30/23 00:22	
EPA 6010	Iron	109	ug/L	100	11/30/23 00:22	
EPA 6010	Lithium	51.5	ug/L	20.0	11/30/23 00:22	
EPA 6010	Magnesium	67300	ug/L	1000	11/30/23 00:22	
EPA 6010	Manganese	629	ug/L	10.0	11/30/23 00:22	
EPA 6010	Molybdenum	79.1	ug/L	10.0	11/30/23 00:22	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359859002	**MW-107I**					
EPA 6010	Potassium	9770	ug/L	1000	11/30/23 00:22	
EPA 6010	Silica	13800	ug/L	450	11/30/23 00:22	N2
EPA 6010	Sodium	156000	ug/L	1000	11/30/23 00:22	
EPA 6010	Manganese, Dissolved	700	ug/L	10.0	11/30/23 03:58	
EPA 6010	Molybdenum, Dissolved	89.2	ug/L	10.0	11/30/23 03:58	
EPA 903.1	Radium-226	0.209 ± 0.898 (1.64) C:NA T:87%	pCi/L		12/13/23 16:29	
EPA 904.0	Radium-228	0.705 ± 0.407 (0.749) C:99% T:70%	pCi/L		12/07/23 13:38	
Total Radium Calculation	Total Radium	0.914 ± 1.31 (2.39)	pCi/L		12/14/23 14:51	
SM 2320B	Alkalinity, Total as CaCO3	229	mg/L	10.0	11/21/23 02:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	229	mg/L	10.0	11/21/23 02:38	
SM 2540C	Total Dissolved Solids	1310	mg/L	20.0	11/22/23 07:20	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	12/04/23 13:15	H3
EPA 353.2	Nitrogen, Nitrate	0.78	mg/L	0.10	11/17/23 01:54	
EPA 365.1	Phosphate as P04	0.25	mg/L	0.15	12/01/23 13:48	
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	12/02/23 03:08	
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	2.0	12/04/23 12:17	
50359859003	**MW-102D**					
EPA 9056	Chloride	135	mg/L	2.5	12/04/23 07:32	
EPA 9056	Fluoride	0.16	mg/L	0.10	12/04/23 07:14	
EPA 9056	Sulfate	1340	mg/L	25.0	12/04/23 07:51	
EPA 6010	Barium	54.8	ug/L	10.0	11/30/23 00:23	
EPA 6010	Boron	22100	ug/L	100	11/30/23 00:23	
EPA 6010	Calcium	357000	ug/L	2000	11/30/23 00:31	
EPA 6010	Iron	6720	ug/L	100	11/30/23 00:23	
EPA 6010	Lithium	107	ug/L	20.0	11/30/23 00:23	
EPA 6010	Magnesium	48400	ug/L	1000	11/30/23 00:23	
EPA 6010	Manganese	639	ug/L	10.0	11/30/23 00:23	
EPA 6010	Molybdenum	553	ug/L	10.0	11/30/23 00:23	
EPA 6010	Potassium	13300	ug/L	1000	11/30/23 00:23	
EPA 6010	Silica	14800	ug/L	450	11/30/23 00:23	N2
EPA 6010	Sodium	160000	ug/L	1000	11/30/23 00:23	
EPA 6010	Iron, Dissolved	6930	ug/L	100	11/30/23 04:03	
EPA 6010	Manganese, Dissolved	662	ug/L	10.0	11/30/23 04:03	
EPA 6010	Molybdenum, Dissolved	570	ug/L	10.0	11/30/23 04:03	
EPA 6020	Arsenic	44.2	ug/L	1.0	11/29/23 03:25	
EPA 903.1	Radium-226	-0.106 ± 0.330 (0.749) C:NA T:96%	pCi/L		12/13/23 16:29	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359859003	**MW-102D**					
EPA 904.0	Radium-228	0.984 ± 0.494 (0.872) C:80% T:77%	pCi/L		12/07/23 13:38	
Total Radium Calculation	Total Radium	0.984 ± 0.824 (1.62)	pCi/L		12/14/23 14:51	
SM 2320B	Alkalinity, Total as CaCO3	109	mg/L	10.0	11/21/23 02:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	109	mg/L	10.0	11/21/23 02:38	
SM 2540C	Total Dissolved Solids	1920	mg/L	40.0	11/22/23 07:21	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	12/04/23 13:16	H3
EPA 365.1	Phosphate as P04	0.75	mg/L	0.15	12/01/23 13:48	
SM 5310C	Total Organic Carbon	2.2	mg/L	1.0	12/02/23 03:19	
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	1.0	12/03/23 08:13	
50359859004	**Dup 6**					
EPA 9056	Chloride	137	mg/L	2.5	12/04/23 08:27	
EPA 9056	Fluoride	0.17	mg/L	0.10	12/04/23 08:09	
EPA 9056	Sulfate	1190	mg/L	25.0	12/04/23 08:46	
EPA 6010	Barium	54.0	ug/L	10.0	11/30/23 00:25	
EPA 6010	Boron	22000	ug/L	100	11/30/23 00:25	
EPA 6010	Calcium	355000	ug/L	2000	11/30/23 00:32	
EPA 6010	Iron	6680	ug/L	100	11/30/23 00:25	
EPA 6010	Lithium	107	ug/L	20.0	11/30/23 00:25	
EPA 6010	Magnesium	48300	ug/L	1000	11/30/23 00:25	
EPA 6010	Manganese	636	ug/L	10.0	11/30/23 00:25	
EPA 6010	Molybdenum	545	ug/L	10.0	11/30/23 00:25	
EPA 6010	Potassium	13500	ug/L	1000	11/30/23 00:25	
EPA 6010	Silica	14700	ug/L	450	11/30/23 00:25	N2
EPA 6010	Sodium	160000	ug/L	1000	11/30/23 00:25	
EPA 6010	Iron, Dissolved	6730	ug/L	100	11/30/23 04:04	
EPA 6010	Manganese, Dissolved	644	ug/L	10.0	11/30/23 04:04	
EPA 6010	Molybdenum, Dissolved	553	ug/L	10.0	11/30/23 04:04	
EPA 6020	Arsenic	44.4	ug/L	1.0	11/29/23 03:28	
EPA 903.1	Radium-226	0.927 ± 0.744 (1.13) C:NA T:89%	pCi/L		12/13/23 16:29	
EPA 904.0	Radium-228	0.767 ± 0.423 (0.760) C:82% T:79%	pCi/L		12/07/23 13:38	
Total Radium Calculation	Total Radium	1.69 ± 1.17 (1.89)	pCi/L		12/14/23 14:51	
SM 2320B	Alkalinity, Total as CaCO3	108	mg/L	10.0	11/21/23 02:38	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	108	mg/L	10.0	11/21/23 02:38	
SM 2540C	Total Dissolved Solids	1970	mg/L	20.0	11/22/23 07:21	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	12/04/23 13:27	H3
EPA 365.1	Phosphate as P04	0.80	mg/L	0.15	12/01/23 13:49	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50359859004	**Dup 6**					
SM 5310C	Total Organic Carbon	2.0	mg/L	1.0	12/02/23 02:58	
SM 5310C	Dissolved Organic Carbon	4.2	mg/L	1.0	12/03/23 08:30	

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: PZ-101S **Lab ID: 50359859001** Collected: 11/16/23 09:15 Received: 11/16/23 11:13 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	**223**	mg/L	25.0	6.7	100		12/04/23 05:24	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.017	1		12/04/23 04:47	16984-48-8	
Sulfate	**437**	mg/L	25.0	19.0	100		12/04/23 05:24	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:05	11/30/23 00:21	7429-90-5	
Barium	**120**	ug/L	10.0	0.45	1	11/25/23 22:05	11/30/23 00:21	7440-39-3	
Boron	**3190**	ug/L	100	6.2	1	11/25/23 22:05	11/30/23 00:21	7440-42-8	
Calcium	**234000**	ug/L	2000	135	2	11/25/23 22:05	11/30/23 00:29	7440-70-2	
Iron	**7330**	ug/L	100	30.0	1	11/25/23 22:05	11/30/23 00:21	7439-89-6	
Lithium	**85.6**	ug/L	20.0	6.8	1	11/25/23 22:05	11/30/23 00:21	7439-93-2	
Magnesium	**52300**	ug/L	1000	33.6	1	11/25/23 22:05	11/30/23 00:21	7439-95-4	
Manganese	**581**	ug/L	10.0	1.8	1	11/25/23 22:05	11/30/23 00:21	7439-96-5	
Molybdenum	**112**	ug/L	10.0	0.78	1	11/25/23 22:05	11/30/23 00:21	7439-98-7	
Potassium	**14000**	ug/L	1000	97.8	1	11/25/23 22:05	11/30/23 00:21	7440-09-7	
Silica	**13900**	ug/L	450		1	11/25/23 22:05	11/30/23 00:21	7631-86-9	N2
Sodium	**182000**	ug/L	1000	54.8	1	11/25/23 22:05	11/30/23 00:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**7140**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:57	7439-89-6	
Manganese, Dissolved	**588**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:57	7439-96-5	
Molybdenum, Dissolved	**111**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 03:57	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	0.49	1	11/25/23 10:31	11/29/23 03:11	7440-36-0	
Arsenic	**10.2**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 03:11	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 03:11	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 03:11	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 03:11	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**377**	mg/L	10.0	10.0	1		11/21/23 02:38		
Alkalinity,Bicarbonate (CaCO3)	**377**	mg/L	10.0	10.0	1		11/21/23 02:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/21/23 02:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1470**	mg/L	20.0	20.0	1		11/22/23 07:20		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: PZ-101S **Lab ID: 50359859001** Collected: 11/16/23 09:15 Received: 11/16/23 11:13 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	**7.8**	Std. Units	0.10	0.10	1		12/04/23 13:13		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 16:55	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:21	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/17/23 01:56	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/17/23 01:56	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.32**	mg/L	0.15	0.15	1	12/01/23 10:00	12/01/23 13:47		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.4**	mg/L	1.0	0.24	1		12/02/23 02:49	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	2.0	0.47	2		12/04/23 11:51		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: MW-107I **Lab ID: 50359859002** Collected: 11/16/23 09:10 Received: 11/16/23 11:13 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	**248**	mg/L	2.5	0.67	10		12/04/23 06:37	16887-00-6	
Fluoride	**0.54**	mg/L	0.10	0.017	1		12/04/23 06:19	16984-48-8	
Sulfate	**657**	mg/L	25.0	19.0	100		12/04/23 06:56	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:05	11/30/23 00:22	7429-90-5	
Barium	**38.0**	ug/L	10.0	0.45	1	11/25/23 22:05	11/30/23 00:22	7440-39-3	
Boron	**6090**	ug/L	100	6.2	1	11/25/23 22:05	11/30/23 00:22	7440-42-8	
Calcium	**199000**	ug/L	1000	67.7	1	11/25/23 22:05	11/30/23 00:22	7440-70-2	
Iron	**109**	ug/L	100	30.0	1	11/25/23 22:05	11/30/23 00:22	7439-89-6	
Lithium	**51.5**	ug/L	20.0	6.8	1	11/25/23 22:05	11/30/23 00:22	7439-93-2	
Magnesium	**67300**	ug/L	1000	33.6	1	11/25/23 22:05	11/30/23 00:22	7439-95-4	
Manganese	**629**	ug/L	10.0	1.8	1	11/25/23 22:05	11/30/23 00:22	7439-96-5	
Molybdenum	**79.1**	ug/L	10.0	0.78	1	11/25/23 22:05	11/30/23 00:22	7439-98-7	
Potassium	**9770**	ug/L	1000	97.8	1	11/25/23 22:05	11/30/23 00:22	7440-09-7	
Silica	**13800**	ug/L	450		1	11/25/23 22:05	11/30/23 00:22	7631-86-9	N2
Sodium	**156000**	ug/L	1000	54.8	1	11/25/23 22:05	11/30/23 00:22	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	ND	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 03:58	7439-89-6	
Manganese, Dissolved	**700**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 03:58	7439-96-5	
Molybdenum, Dissolved	**89.2**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 03:58	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	0.49	1	11/25/23 10:31	11/29/23 03:21	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 03:21	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 03:21	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 03:21	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 03:21	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		11/21/23 02:38		
Alkalinity,Bicarbonate (CaCO3)	**229**	mg/L	10.0	10.0	1		11/21/23 02:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/21/23 02:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1310**	mg/L	20.0	20.0	1		11/22/23 07:20		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: MW-107I **Lab ID: 50359859002** Collected: 11/16/23 09:10 Received: 11/16/23 11:13 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	**7.6**	Std. Units	0.10	0.10	1		12/04/23 13:15		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 16:55	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:21	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.78**	mg/L	0.10	0.011	1		11/17/23 01:54	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/17/23 01:54	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.25**	mg/L	0.15	0.15	1	12/01/23 10:00	12/01/23 13:48		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.0**	mg/L	1.0	0.24	1		12/02/23 03:08	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.5**	mg/L	2.0	0.47	2		12/04/23 12:17		

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: MW-102D **Lab ID: 50359859003** Collected: 11/16/23 09:00 Received: 11/16/23 11:13 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	**135**	mg/L	2.5	0.67	10		12/04/23 07:32	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.017	1		12/04/23 07:14	16984-48-8	
Sulfate	**1340**	mg/L	25.0	19.0	100		12/04/23 07:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:05	11/30/23 00:23	7429-90-5	
Barium	**54.8**	ug/L	10.0	0.45	1	11/25/23 22:05	11/30/23 00:23	7440-39-3	
Boron	**22100**	ug/L	100	6.2	1	11/25/23 22:05	11/30/23 00:23	7440-42-8	
Calcium	**357000**	ug/L	2000	135	2	11/25/23 22:05	11/30/23 00:31	7440-70-2	
Iron	**6720**	ug/L	100	30.0	1	11/25/23 22:05	11/30/23 00:23	7439-89-6	
Lithium	**107**	ug/L	20.0	6.8	1	11/25/23 22:05	11/30/23 00:23	7439-93-2	
Magnesium	**48400**	ug/L	1000	33.6	1	11/25/23 22:05	11/30/23 00:23	7439-95-4	
Manganese	**639**	ug/L	10.0	1.8	1	11/25/23 22:05	11/30/23 00:23	7439-96-5	
Molybdenum	**553**	ug/L	10.0	0.78	1	11/25/23 22:05	11/30/23 00:23	7439-98-7	
Potassium	**13300**	ug/L	1000	97.8	1	11/25/23 22:05	11/30/23 00:23	7440-09-7	
Silica	**14800**	ug/L	450		1	11/25/23 22:05	11/30/23 00:23	7631-86-9	N2
Sodium	**160000**	ug/L	1000	54.8	1	11/25/23 22:05	11/30/23 00:23	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**6930**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 04:03	7439-89-6	
Manganese, Dissolved	**662**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 04:03	7439-96-5	
Molybdenum, Dissolved	**570**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 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	0.49	1	11/25/23 10:31	11/29/23 03:25	7440-36-0	
Arsenic	**44.2**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 03:25	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 03:25	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 03:25	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 03:25	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**109**	mg/L	10.0	10.0	1		11/21/23 02:38		
Alkalinity,Bicarbonate (CaCO3)	**109**	mg/L	10.0	10.0	1		11/21/23 02:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/21/23 02:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1920**	mg/L	40.0	40.0	1		11/22/23 07:21		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: MW-102D **Lab ID: 50359859003** Collected: 11/16/23 09:00 Received: 11/16/23 11:13 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	**7.5**	Std. Units	0.10	0.10	1		12/04/23 13:16		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 16:55	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:21	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/17/23 01:52	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/17/23 01:52	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.75**	mg/L	0.15	0.15	1	12/01/23 10:00	12/01/23 13:48		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.2**	mg/L	1.0	0.24	1		12/02/23 03:19	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	1.0	0.24	1		12/03/23 08:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: Dup 6 **Lab ID: 50359859004** Collected: 11/16/23 08:00 Received: 11/16/23 11:13 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	**137**	mg/L	2.5	0.67	10		12/04/23 08:27	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.017	1		12/04/23 08:09	16984-48-8	
Sulfate	**1190**	mg/L	25.0	19.0	100		12/04/23 08:46	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/25/23 22:05	11/30/23 00:25	7429-90-5	
Barium	**54.0**	ug/L	10.0	0.45	1	11/25/23 22:05	11/30/23 00:25	7440-39-3	
Boron	**22000**	ug/L	100	6.2	1	11/25/23 22:05	11/30/23 00:25	7440-42-8	
Calcium	**355000**	ug/L	2000	135	2	11/25/23 22:05	11/30/23 00:32	7440-70-2	
Iron	**6680**	ug/L	100	30.0	1	11/25/23 22:05	11/30/23 00:25	7439-89-6	
Lithium	**107**	ug/L	20.0	6.8	1	11/25/23 22:05	11/30/23 00:25	7439-93-2	
Magnesium	**48300**	ug/L	1000	33.6	1	11/25/23 22:05	11/30/23 00:25	7439-95-4	
Manganese	**636**	ug/L	10.0	1.8	1	11/25/23 22:05	11/30/23 00:25	7439-96-5	
Molybdenum	**545**	ug/L	10.0	0.78	1	11/25/23 22:05	11/30/23 00:25	7439-98-7	
Potassium	**13500**	ug/L	1000	97.8	1	11/25/23 22:05	11/30/23 00:25	7440-09-7	
Silica	**14700**	ug/L	450		1	11/25/23 22:05	11/30/23 00:25	7631-86-9	N2
Sodium	**160000**	ug/L	1000	54.8	1	11/25/23 22:05	11/30/23 00:25	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**6730**	ug/L	100	30.0	1	11/29/23 16:11	11/30/23 04:04	7439-89-6	
Manganese, Dissolved	**644**	ug/L	10.0	1.8	1	11/29/23 16:11	11/30/23 04:04	7439-96-5	
Molybdenum, Dissolved	**553**	ug/L	10.0	0.78	1	11/29/23 16:11	11/30/23 04:04	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	0.49	1	11/25/23 10:31	11/29/23 03:28	7440-36-0	
Arsenic	**44.4**	ug/L	1.0	0.075	1	11/25/23 10:31	11/29/23 03:28	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	11/25/23 10:31	11/29/23 03:28	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	11/25/23 10:31	11/29/23 03:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	11/25/23 10:31	11/29/23 03:28	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**108**	mg/L	10.0	10.0	1		11/21/23 02:38		
Alkalinity,Bicarbonate (CaCO3)	**108**	mg/L	10.0	10.0	1		11/21/23 02:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/21/23 02:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1970**	mg/L	20.0	20.0	1		11/22/23 07:21		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: Dup 6 **Lab ID: 50359859004** Collected: 11/16/23 08:00 Received: 11/16/23 11:13 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	**7.4**	Std. Units	0.10	0.10	1		12/04/23 13:27		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/16/23 16:55	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:20	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/17/23 01:49	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/17/23 01:49	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.80**	mg/L	0.15	0.15	1	12/01/23 10:00	12/01/23 13:49		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.0**	mg/L	1.0	0.24	1		12/02/23 02:58	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.2**	mg/L	1.0	0.24	1		12/03/23 08:30		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 765136
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3506579 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/03/23 13:38	
Fluoride	mg/L	ND	0.10	0.017	12/03/23 13:38	
Sulfate	mg/L	ND	0.25	0.19	12/03/23 13:38	

LABORATORY CONTROL SAMPLE: 3506580

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	0.98	98	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506581 3506582

Parameter	Units	50359849001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.5	25	25	49.7	49.7	97	97	80-120	0	15	
Fluoride	mg/L	0.28	1	1	1.3	1.3	99	99	80-120	0	15	
Sulfate	mg/L	40.2	5	5	45.4	45.4	103	103	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507426 3507427

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	90.3	25	25	116	113	103	92	80-120	2	15	
Fluoride	mg/L	0.11	1	1	1.1	1.1	101	102	80-120	1	15	
Sulfate	mg/L	174	50	50	222	219	97	91	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 764435
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3503916 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	11/29/23 23:48	
Barium	ug/L	ND	10.0	0.45	11/29/23 23:48	
Boron	ug/L	ND	100	6.2	11/29/23 23:48	
Calcium	ug/L	ND	1000	67.7	11/29/23 23:48	
Iron	ug/L	ND	100	30.0	11/29/23 23:48	
Lithium	ug/L	ND	20.0	6.8	11/29/23 23:48	
Magnesium	ug/L	ND	1000	33.6	11/29/23 23:48	
Manganese	ug/L	ND	10.0	1.8	11/29/23 23:48	
Molybdenum	ug/L	ND	10.0	0.78	11/29/23 23:48	
Potassium	ug/L	ND	1000	97.8	11/29/23 23:48	
Silica	ug/L	ND	450		11/29/23 23:48	N2
Sodium	ug/L	ND	1000	54.8	11/29/23 23:48	

LABORATORY CONTROL SAMPLE: 3503917

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10300	103	80-120	
Barium	ug/L	1000	1030	103	80-120	
Boron	ug/L	1000	978	98	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Iron	ug/L	10000	10300	103	80-120	
Lithium	ug/L	1000	1010	101	80-120	
Magnesium	ug/L	10000	9820	98	80-120	
Manganese	ug/L	1000	1000	100	80-120	
Molybdenum	ug/L	1000	1050	105	80-120	
Potassium	ug/L	10000	10200	102	80-120	
Silica	ug/L	10700	11000	103	80-120	N2
Sodium	ug/L	10000	9990	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503918 3503919

Parameter	Units	50359836001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10100	10400	101	104	75-125	3	20	
Barium	ug/L	28.8	1000	1000	1050	1080	103	105	75-125	2	20	
Boron	ug/L	650	1000	1000	1660	1710	100	106	75-125	3	20	
Calcium	ug/L	187000	10000	10000	194000	200000	70	134	75-125	3	20	E,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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503918 3503919

Parameter	Units	50359836001 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	10000	10400	100	103	75-125	3	20	
Lithium	ug/L	ND	1000	1000	1020	1050	102	105	75-125	3	20	
Magnesium	ug/L	36900	10000	10000	45900	47200	91	104	75-125	3	20	
Manganese	ug/L	ND	1000	1000	978	1000	98	100	75-125	3	20	
Molybdenum	ug/L	ND	1000	1000	1040	1090	104	108	75-125	4	20	
Potassium	ug/L	ND	10000	10000	10500	10900	102	106	75-125	4	20	
Silica	ug/L	13300	10700	10700	24100	24900	101	108	75-125	3	20	N2
Sodium	ug/L	7630	10000	10000	17400	17900	98	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 765309
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3507186 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	11/30/23 03:22	
Manganese, Dissolved	ug/L	ND	10.0	1.8	11/30/23 03:22	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	11/30/23 03:22	

LABORATORY CONTROL SAMPLE: 3507187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	10200	102	80-120	
Manganese, Dissolved	ug/L	1000	986	99	80-120	
Molybdenum, Dissolved	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507188 3507189

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	4440	10000	10000	13900	13900	94	95	75-125	1	20	
Manganese, Dissolved	ug/L	390	1000	1000	1310	1320	92	93	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1000	1010	100	101	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507190 3507191

Parameter	Units	50359760005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	2290	10000	10000	11800	11900	95	96	75-125	1	20	
Manganese, Dissolved	ug/L	753	1000	1000	1660	1670	91	91	75-125	0	20	
Molybdenum, Dissolved	ug/L	18.8	1000	1000	1020	1030	101	101	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 764638
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3504859 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	11/29/23 01:34	
Arsenic	ug/L	ND	1.0	0.075	11/29/23 01:34	
Beryllium	ug/L	ND	0.20	0.035	11/29/23 01:34	
Cobalt	ug/L	ND	1.0	0.046	11/29/23 01:34	
Selenium	ug/L	ND	1.0	0.20	11/29/23 01:34	

LABORATORY CONTROL SAMPLE: 3504860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.6	102	80-120	
Arsenic	ug/L	40	39.7	99	80-120	
Beryllium	ug/L	40	39.4	99	80-120	
Cobalt	ug/L	40	42.1	105	80-120	
Selenium	ug/L	40	40.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504861 3504862

Parameter	Units	50359760001 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	41.0	41.1	102	103	75-125	0	20	
Arsenic	ug/L	2.3	40	40	40.9	41.6	97	98	75-125	2	20	
Beryllium	ug/L	ND	40	40	40.9	41.2	102	103	75-125	1	20	
Cobalt	ug/L	ND	40	40	39.4	40.0	98	99	75-125	1	20	
Selenium	ug/L	ND	40	40	39.4	40.6	98	102	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504863 3504864

Parameter	Units	50359760005 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	41.5	41.4	104	103	75-125	0	20	
Arsenic	ug/L	3.7	40	40	42.9	43.0	98	98	75-125	0	20	
Beryllium	ug/L	ND	40	40	42.8	43.0	107	107	75-125	0	20	
Cobalt	ug/L	1.1	40	40	40.8	40.9	99	99	75-125	0	20	
Selenium	ug/L	ND	40	40	40.7	41.2	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 764139 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3502702 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/21/23 02:38	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/21/23 02:38	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/21/23 02:38	

LABORATORY CONTROL SAMPLE: 3502703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	54.6	109	90-110	

SAMPLE DUPLICATE: 3502704

Parameter	Units	50359872002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	169000 ug/L	175	4	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	169000 ug/L	175	4	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10000 ug/L	ND		20	

SAMPLE DUPLICATE: 3502705

Parameter	Units	50359872003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	160000 ug/L	164	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	160000 ug/L	164	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	<10000 ug/L	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 764406 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3503835 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/22/23 07:16	

LABORATORY CONTROL SAMPLE: 3503836

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	268	89	80-120	

SAMPLE DUPLICATE: 3503837

Parameter	Units	50359983008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	442	437	1	10	

SAMPLE DUPLICATE: 3503838

Parameter	Units	50359859002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1310	1450	10	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 766087
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: 50359859001, 50359859002, 50359859003, 50359859004

SAMPLE DUPLICATE: 3510411

Parameter	Units	50359852001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	0	2	H3

SAMPLE DUPLICATE: 3510412

Parameter	Units	50359882002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	7.9	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 763457 | Analysis Method: SM 4500-S2-D
QC Batch Method: SM 4500-S2-D | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3499503 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/16/23 16:55	

LABORATORY CONTROL SAMPLE: 3499504

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3499505 3499506

Parameter	Units	50359843002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.52	105	103	90-110	2	20	

MATRIX SPIKE SAMPLE: 3499507

Parameter	Units	50359859002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	0.5	0.59	111	90-110	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 765058 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3506112 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/28/23 14:17	H3,N2

LABORATORY CONTROL SAMPLE: 3506113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.98	98	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506114 3506115

Parameter	Units	50359882002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.1	106	106	90-110	0	20	H3,N2

MATRIX SPIKE SAMPLE: 3506116

Parameter	Units	50360217001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.1	106	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 763504 | 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: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3499830 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/17/23 02:41	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/17/23 02:41	

LABORATORY CONTROL SAMPLE: 3499831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 3499832

Parameter	Units	50359827002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.012J	1	1.0	100	90-110	
Nitrogen, Nitrite	mg/L	0.010J	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE: 3499833

Parameter	Units	50359827005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.0	99	90-110	
Nitrogen, Nitrite	mg/L	ND	5	5.3	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 765751
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3509053 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/01/23 13:41	

LABORATORY CONTROL SAMPLE: 3509054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509055 3509056

Parameter	Units	50359845005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	2.6			10.5	10.7				2		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 765313
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003

METHOD BLANK: 3507202 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/01/23 23:40	

LABORATORY CONTROL SAMPLE: 3507203

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507204 3507205

Parameter	Units	50359789007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.0	10	10	11.1	11.2	101	102	80-120	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 765881
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859004

METHOD BLANK: 3509596 Matrix: Water
Associated Lab Samples: 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/01/23 21:09	

LABORATORY CONTROL SAMPLE: 3509597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.3	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509598 3509599

Parameter	Units	50359760001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.5	10	10	12.9	13.1	93	95	80-120	2	20	

MATRIX SPIKE SAMPLE: 3509601

Parameter	Units	50359760002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.3	10	10.5	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 765968 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3510138 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/03/23 03:58	

LABORATORY CONTROL SAMPLE: 3510139

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: 3510140 3510141

Parameter	Units	50359760005 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	2.5	10	10	11.8	11.9	94	94	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510142 3510143

Parameter	Units	50359882002 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	11.4	11.5	97	98	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: PZ-101S **Lab ID: 50359859001** Collected: 11/16/23 09:15 Received: 11/16/23 11:13 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	**1.72 ± 0.887 (1.09) C:NA T:86%**	pCi/L	12/13/23 16:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.745 ± 0.445 (0.831) C:82% T:80%**	pCi/L	12/07/23 13:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.47 ± 1.33 (1.92)**	pCi/L	12/14/23 14:51	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: MW-107I **Lab ID: 50359859002** Collected: 11/16/23 09:10 Received: 11/16/23 11:13 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	**0.209 ± 0.898 (1.64) C:NA T:87%**	pCi/L	12/13/23 16:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.705 ± 0.407 (0.749) C:99% T:70%**	pCi/L	12/07/23 13:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.914 ± 1.31 (2.39)**	pCi/L	12/14/23 14:51	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: MW-102D **Lab ID: 50359859003** Collected: 11/16/23 09:00 Received: 11/16/23 11:13 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	**-0.106 ± 0.330 (0.749) C:NA T:96%**	pCi/L	12/13/23 16:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.984 ± 0.494 (0.872) C:80% T:77%**	pCi/L	12/07/23 13:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.984 ± 0.824 (1.62)**	pCi/L	12/14/23 14:51	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Sample: Dup 6 **Lab ID: 50359859004** Collected: 11/16/23 08:00 Received: 11/16/23 11:13 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	**0.927 ± 0.744 (1.13) C:NA T:89%**	pCi/L	12/13/23 16:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.767 ± 0.423 (0.760) C:82% T:79%**	pCi/L	12/07/23 13:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.69 ± 1.17 (1.89)**	pCi/L	12/14/23 14:51	7440-14-4	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 632180
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: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3082135 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.131 ± 0.228 (0.407) C:NA T:89%	pCi/L	12/13/23 16:03	

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

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

QC Batch: 632181
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: 50359859001, 50359859002, 50359859003, 50359859004

METHOD BLANK: 3082136 Matrix: Water
Associated Lab Samples: 50359859001, 50359859002, 50359859003, 50359859004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.440 ± 0.341 (0.664) C:80% T:82%	pCi/L	12/07/23 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

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359859001	**PZ-101S**	EPA 9056	765136		
50359859002	**MW-107I**	EPA 9056	765136		
50359859003	**MW-102D**	EPA 9056	765136		
50359859004	**Dup 6**	EPA 9056	765136		
50359859001	**PZ-101S**	EPA 3010	764435	EPA 6010	765468
50359859002	**MW-107I**	EPA 3010	764435	EPA 6010	765468
50359859003	**MW-102D**	EPA 3010	764435	EPA 6010	765468
50359859004	**Dup 6**	EPA 3010	764435	EPA 6010	765468
50359859001	**PZ-101S**	EPA 3010	765309	EPA 6010	765474
50359859002	**MW-107I**	EPA 3010	765309	EPA 6010	765474
50359859003	**MW-102D**	EPA 3010	765309	EPA 6010	765474
50359859004	**Dup 6**	EPA 3010	765309	EPA 6010	765474
50359859001	**PZ-101S**	EPA 200.2	764638	EPA 6020	764772
50359859002	**MW-107I**	EPA 200.2	764638	EPA 6020	764772
50359859003	**MW-102D**	EPA 200.2	764638	EPA 6020	764772
50359859004	**Dup 6**	EPA 200.2	764638	EPA 6020	764772
50359859001	**PZ-101S**	EPA 903.1	632180		
50359859002	**MW-107I**	EPA 903.1	632180		
50359859003	**MW-102D**	EPA 903.1	632180		
50359859004	**Dup 6**	EPA 903.1	632180		
50359859001	**PZ-101S**	EPA 904.0	632181		
50359859002	**MW-107I**	EPA 904.0	632181		
50359859003	**MW-102D**	EPA 904.0	632181		
50359859004	**Dup 6**	EPA 904.0	632181		
50359859001	**PZ-101S**	Total Radium Calculation	636199		
50359859002	**MW-107I**	Total Radium Calculation	636199		
50359859003	**MW-102D**	Total Radium Calculation	636199		
50359859004	**Dup 6**	Total Radium Calculation	636199		
50359859001	**PZ-101S**	SM 2320B	764139		
50359859002	**MW-107I**	SM 2320B	764139		
50359859003	**MW-102D**	SM 2320B	764139		
50359859004	**Dup 6**	SM 2320B	764139		
50359859001	**PZ-101S**	SM 2540C	764406		
50359859002	**MW-107I**	SM 2540C	764406		
50359859003	**MW-102D**	SM 2540C	764406		
50359859004	**Dup 6**	SM 2540C	764406		
50359859001	**PZ-101S**	SM 4500-H+B	766087		
50359859002	**MW-107I**	SM 4500-H+B	766087		
50359859003	**MW-102D**	SM 4500-H+B	766087		
50359859004	**Dup 6**	SM 4500-H+B	766087		
50359859001	**PZ-101S**	SM 4500-S2-D	763457		
50359859002	**MW-107I**	SM 4500-S2-D	763457		
50359859003	**MW-102D**	SM 4500-S2-D	763457		
50359859004	**Dup 6**	SM 4500-S2-D	763457		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R2
Pace Project No.: 50359859

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50359859001	**PZ-101S**	HACH 8146	765058		
50359859002	**MW-107I**	HACH 8146	765058		
50359859003	**MW-102D**	HACH 8146	765058		
50359859004	**Dup 6**	HACH 8146	765058		
50359859001	**PZ-101S**	EPA 353.2	763504		
50359859002	**MW-107I**	EPA 353.2	763504		
50359859003	**MW-102D**	EPA 353.2	763504		
50359859004	**Dup 6**	EPA 353.2	763504		
50359859001	**PZ-101S**	EPA 365.1	765751	EPA 365.1	765841
50359859002	**MW-107I**	EPA 365.1	765751	EPA 365.1	765841
50359859003	**MW-102D**	EPA 365.1	765751	EPA 365.1	765841
50359859004	**Dup 6**	EPA 365.1	765751	EPA 365.1	765841
50359859001	**PZ-101S**	SM 5310C	765313		
50359859002	**MW-107I**	SM 5310C	765313		
50359859003	**MW-102D**	SM 5310C	765313		
50359859004	**Dup 6**	SM 5310C	765881		
50359859001	**PZ-101S**	SM 5310C	765968		
50359859002	**MW-107I**	SM 5310C	765968		
50359859003	**MW-102D**	SM 5310C	765968		
50359859004	**Dup 6**	SM 5310C	765968		

PIR2

WO#: 50359859

50359859

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AES/IPL Petersburg	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street Nov 2023	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:	170LF01501	Pace Profile #:	10498-48

Regulatory Agency:

State / Location: IN

MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS

SAMPLE ID — One Character per box. (A-Z, 0-9 /, -) Sample Ids must be unique

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532		Residual Chlorine (Y/N)	
1	PZ-101S	WT		11.16	0915				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X	X			001
2	MW-107I	WT		11.16	~~0818~~ 910				↓	↓	↓	↓		↓					X	X	X	X	X	X	X	X	X	X	X			002
3	MW-102D	WT		11.16	0900				↓	↓	↓	↓		↓					X	X	X	X	X	X	X	X	X	X	X			003
4	Dup 6	WT		11.16	—				↓	↓	↓	↓		↓					X	X	X	X	X	X	X	X	X	X	X			004
5		WT																	X	X	X	X	X	X	X	X	X	X	X			
6		WT																	X	X	X	X	X	X	X	X	X	X	X			
7		WT																	X	X	X	X	X	X	X	X	X	X	X			
8		WT																	X	X	X	X	X	X	X	X	X	X	X			
9		WT																	X	X	X	X	X	X	X	X	X	X	X			
10		WT																	X	X	X	X	X	X	X	X	X	X	X			
11		WT																	X	X	X	X	X	X	X	X	X	X	X			
12																			X	X	X	X	X	X	X	X	X	X	X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	[signature] / Atlas	11.16.23	1025	Keegan Lowther / Atlas	11.16	1039				
6020 - Be,Co, As, Se, Sb (5)	[signature] / JAM	11.16.23	1028	[signature] / Atlas	11.16	1030				
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)	Keegan [signature]	11.16.23	1113	[signature]	11/16/23	1113	0.6	Y	N	Y
6010 diss - Fe, Mn, Mo (3)							0.7			
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Erika Varello, Keegan Lowther, John McGee

SIGNATURE of SAMPLER: [signature] DATE Signed: 11.16.2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/16/23 1515 JA

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

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

4. **Cooler Temperature(s):** 0.6/0.6 | 0.7/0.7 | 1.1/1.1 | (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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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:** Nitrates	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 16:01			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 RED 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	1			2	2	1	1	1	1		1				W				
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

February 08, 2024

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

RE: Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 21, 2023. 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,

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: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50360217001	**PZ-100S**	Water	11/21/23 13:17	11/21/23 15:45
50360217002	**PZ-100D**	Water	11/21/23 12:40	11/21/23 15:45
50360217003	**PZ-101D**	Water	11/21/23 14:20	11/21/23 15:45
50360217004	**Dup-7**	Water	11/21/23 08:00	11/21/23 15:45

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50360217001	**PZ-100S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	MGM	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360217002	**PZ-100D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	MGM	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360217003	**PZ-101D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	MGM	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA

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

SAMPLE ANALYTE COUNT

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360217004	**Dup-7**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	MGM	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	IRH	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	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

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360217001	**PZ-100S**					
EPA 9056	Chloride	445	mg/L	25.0	12/08/23 07:08	
EPA 9056	Fluoride	1.5	mg/L	0.10	12/08/23 06:29	
EPA 9056	Sulfate	395	mg/L	2.5	12/08/23 06:49	
EPA 6010	Barium	38.5	ug/L	10.0	12/05/23 21:45	
EPA 6010	Boron	1710	ug/L	100	12/05/23 21:45	
EPA 6010	Calcium	226000	ug/L	2000	12/05/23 22:18	
EPA 6010	Iron	2340	ug/L	100	12/05/23 21:45	
EPA 6010	Lithium	55.6	ug/L	20.0	12/05/23 21:45	
EPA 6010	Magnesium	70800	ug/L	1000	12/05/23 21:45	
EPA 6010	Manganese	399	ug/L	10.0	12/05/23 21:45	
EPA 6010	Molybdenum	103	ug/L	10.0	12/05/23 21:45	
EPA 6010	Potassium	10600	ug/L	1000	12/05/23 21:45	
EPA 6010	Silica	15400	ug/L	450	12/05/23 21:45	N2
EPA 6010	Sodium	219000	ug/L	2000	12/05/23 22:18	
EPA 6010	Iron, Dissolved	2560	ug/L	100	12/04/23 21:58	
EPA 6010	Manganese, Dissolved	403	ug/L	10.0	12/04/23 21:58	
EPA 6010	Molybdenum, Dissolved	102	ug/L	10.0	12/04/23 21:58	
EPA 6020	Arsenic	3.1	ug/L	1.0	12/01/23 02:34	
EPA 903.1	Radium-226	-0.229 ± 0.550 (1.15) C:NA T:88%	pCi/L		12/19/23 12:43	
EPA 904.0	Radium-228	0.794 ± 0.361 (0.594) C:93% T:84%	pCi/L		12/13/23 14:14	
Total Radium Calculation	Total Radium	0.794 ± 0.911 (1.74)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	309	mg/L	10.0	11/28/23 19:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	309	mg/L	10.0	11/28/23 19:57	
SM 2540C	Total Dissolved Solids	1540	mg/L	40.0	11/27/23 10:30	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	12/07/23 14:33	H3
EPA 365.1	Phosphate as P04	0.15	mg/L	0.15	12/06/23 06:59	
50360217002	**PZ-100D**					
EPA 9056	Chloride	226	mg/L	2.5	12/08/23 07:46	
EPA 9056	Fluoride	0.62	mg/L	0.10	12/08/23 07:27	
EPA 9056	Sulfate	481	mg/L	25.0	12/08/23 08:06	
EPA 6010	Barium	57.4	ug/L	10.0	12/05/23 21:52	
EPA 6010	Boron	7150	ug/L	100	12/05/23 21:52	
EPA 6010	Calcium	236000	ug/L	2000	12/05/23 22:24	
EPA 6010	Iron	3310	ug/L	100	12/05/23 21:52	
EPA 6010	Lithium	70.1	ug/L	20.0	12/05/23 21:52	
EPA 6010	Magnesium	63800	ug/L	1000	12/05/23 21:52	
EPA 6010	Manganese	197	ug/L	10.0	12/05/23 21:52	
EPA 6010	Molybdenum	128	ug/L	10.0	12/05/23 21:52	
EPA 6010	Potassium	11300	ug/L	1000	12/05/23 21:52	
EPA 6010	Silica	12800	ug/L	450	12/05/23 21:52	N2

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360217002	**PZ-100D**					
EPA 6010	Sodium	136000	ug/L	1000	12/05/23 21:52	
EPA 6010	Iron, Dissolved	3240	ug/L	100	12/04/23 21:59	
EPA 6010	Manganese, Dissolved	194	ug/L	10.0	12/04/23 21:59	
EPA 6010	Molybdenum, Dissolved	125	ug/L	10.0	12/04/23 21:59	
EPA 6020	Arsenic	168	ug/L	1.0	12/01/23 02:38	
EPA 903.1	Radium-226	0.753 ± 0.589 (0.874) C:NA T:95%	pCi/L		12/19/23 12:43	
EPA 904.0	Radium-228	0.514 ± 0.367 (0.714) C:90% T:81%	pCi/L		12/13/23 14:14	
Total Radium Calculation	Total Radium	1.27 ± 0.956 (1.59)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	11/28/23 19:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	11/28/23 19:57	
SM 2540C	Total Dissolved Solids	1370	mg/L	20.0	11/27/23 10:30	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	12/07/23 14:34	H3
HACH 8146	Iron, Ferrous	0.58	mg/L	0.20	11/28/23 14:24	H3,N2
EPA 365.1	Phosphate as P04	0.69	mg/L	0.15	12/06/23 07:02	
50360217003	**PZ-101D**					
EPA 9056	Chloride	327	mg/L	25.0	12/08/23 09:42	
EPA 9056	Fluoride	0.25	mg/L	0.10	12/08/23 09:03	
EPA 9056	Sulfate	499	mg/L	2.5	12/08/23 09:23	
EPA 6010	Aluminum	483	ug/L	200	12/05/23 21:54	
EPA 6010	Barium	92.9	ug/L	10.0	12/05/23 21:54	
EPA 6010	Boron	3860	ug/L	100	12/05/23 21:54	
EPA 6010	Calcium	250000	ug/L	2000	12/05/23 22:25	
EPA 6010	Iron	4640	ug/L	100	12/05/23 21:54	
EPA 6010	Lithium	106	ug/L	20.0	12/05/23 21:54	
EPA 6010	Magnesium	47900	ug/L	1000	12/05/23 21:54	
EPA 6010	Manganese	401	ug/L	10.0	12/05/23 21:54	
EPA 6010	Molybdenum	183	ug/L	10.0	12/05/23 21:54	
EPA 6010	Potassium	17500	ug/L	1000	12/05/23 21:54	
EPA 6010	Silica	14300	ug/L	450	12/05/23 21:54	N2
EPA 6010	Sodium	245000	ug/L	2000	12/05/23 22:25	
EPA 6010	Iron, Dissolved	3640	ug/L	100	12/04/23 22:01	
EPA 6010	Manganese, Dissolved	367	ug/L	10.0	12/04/23 22:01	
EPA 6010	Molybdenum, Dissolved	180	ug/L	10.0	12/04/23 22:01	
EPA 6020	Arsenic	6.6	ug/L	1.0	12/01/23 02:42	
EPA 903.1	Radium-226	1.67 ± 0.733 (0.826) C:NA T:86%	pCi/L		12/19/23 12:55	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360217003	**PZ-101D**					
EPA 904.0	Radium-228	0.877 ± 0.401 (0.665) C:88% T:89%	pCi/L		12/13/23 14:17	
Total Radium Calculation	Total Radium	2.55 ± 1.13 (1.49)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	359	mg/L	10.0	11/28/23 19:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	359	mg/L	10.0	11/28/23 19:57	
SM 2540C	Total Dissolved Solids	1590	mg/L	20.0	11/27/23 10:30	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	12/07/23 14:34	H3
EPA 365.1	Phosphate as P04	0.18	mg/L	0.15	12/06/23 07:03	
50360217004	**Dup-7**					
EPA 9056	Chloride	248	mg/L	25.0	12/08/23 10:40	
EPA 9056	Fluoride	0.59	mg/L	0.10	12/08/23 10:01	
EPA 9056	Sulfate	559	mg/L	25.0	12/08/23 10:40	
EPA 6010	Barium	57.4	ug/L	10.0	12/05/23 21:55	
EPA 6010	Boron	7160	ug/L	100	12/05/23 21:55	
EPA 6010	Calcium	240000	ug/L	2000	12/05/23 22:27	
EPA 6010	Iron	3270	ug/L	100	12/05/23 21:55	
EPA 6010	Lithium	70.3	ug/L	20.0	12/05/23 21:55	
EPA 6010	Magnesium	63600	ug/L	1000	12/05/23 21:55	
EPA 6010	Manganese	198	ug/L	10.0	12/05/23 21:55	
EPA 6010	Molybdenum	127	ug/L	10.0	12/05/23 21:55	
EPA 6010	Potassium	11300	ug/L	1000	12/05/23 21:55	
EPA 6010	Silica	12800	ug/L	450	12/05/23 21:55	N2
EPA 6010	Sodium	134000	ug/L	1000	12/05/23 21:55	
EPA 6010	Iron, Dissolved	3170	ug/L	100	12/04/23 22:06	
EPA 6010	Manganese, Dissolved	190	ug/L	10.0	12/04/23 22:06	
EPA 6010	Molybdenum, Dissolved	124	ug/L	10.0	12/04/23 22:06	
EPA 6020	Arsenic	165	ug/L	1.0	12/01/23 02:46	
EPA 903.1	Radium-226	0.266 ± 0.314 (0.493) C:NA T:91%	pCi/L		12/19/23 12:55	
EPA 904.0	Radium-228	0.242 ± 0.309 (0.655) C:90% T:80%	pCi/L		12/13/23 14:16	
Total Radium Calculation	Total Radium	0.508 ± 0.623 (1.15)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	11/28/23 19:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	11/28/23 19:57	
SM 2540C	Total Dissolved Solids	1370	mg/L	20.0	11/27/23 10:31	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	12/07/23 14:35	H3
EPA 365.1	Phosphate as P04	0.61	mg/L	0.15	12/06/23 07:03	
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	1.0	12/04/23 21:49	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-100S **Lab ID: 50360217001** Collected: 11/21/23 13:17 Received: 11/21/23 15:45 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	**445**	mg/L	25.0	6.7	100		12/08/23 07:08	16887-00-6	
Fluoride	**1.5**	mg/L	0.10	0.017	1		12/08/23 06:29	16984-48-8	
Sulfate	**395**	mg/L	2.5	1.9	10		12/08/23 06:49	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 21:45	7429-90-5	
Barium	**38.5**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 21:45	7440-39-3	
Boron	**1710**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 21:45	7440-42-8	
Calcium	**226000**	ug/L	2000	135	2	11/28/23 21:33	12/05/23 22:18	7440-70-2	
Iron	**2340**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 21:45	7439-89-6	
Lithium	**55.6**	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 21:45	7439-93-2	
Magnesium	**70800**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 21:45	7439-95-4	
Manganese	**399**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 21:45	7439-96-5	
Molybdenum	**103**	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 21:45	7439-98-7	
Potassium	**10600**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 21:45	7440-09-7	
Silica	**15400**	ug/L	450		1	11/28/23 21:33	12/05/23 21:45	7631-86-9	N2
Sodium	**219000**	ug/L	2000	110	2	11/28/23 21:33	12/05/23 22:18	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2560**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 21:58	7439-89-6	
Manganese, Dissolved	**403**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 21:58	7439-96-5	
Molybdenum, Dissolved	**102**	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 21:58	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	0.13	1	11/29/23 15:15	12/01/23 02:34	7440-36-0	
Arsenic	**3.1**	ug/L	1.0	0.10	1	11/29/23 15:15	12/01/23 02:34	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/29/23 15:15	12/01/23 02:34	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/29/23 15:15	12/01/23 02:34	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/29/23 15:15	12/01/23 02:34	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**309**	mg/L	10.0	10.0	1		11/28/23 19:57		
Alkalinity,Bicarbonate (CaCO3)	**309**	mg/L	10.0	10.0	1		11/28/23 19:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 19:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1540**	mg/L	40.0	40.0	1		11/27/23 10:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-100S **Lab ID: 50360217001** Collected: 11/21/23 13:17 Received: 11/21/23 15:45 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	**7.1**	Std. Units	0.10	0.10	1		12/07/23 14:33		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:29	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:24	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/21/23 23:40	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/21/23 23:40	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.15**	mg/L	0.15	0.15	1	12/05/23 10:00	12/06/23 06:59		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 15:59	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 08:59		D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-100D **Lab ID: 50360217002** Collected: 11/21/23 12:40 Received: 11/21/23 15:45 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	**226**	mg/L	2.5	0.67	10		12/08/23 07:46	16887-00-6	
Fluoride	**0.62**	mg/L	0.10	0.017	1		12/08/23 07:27	16984-48-8	
Sulfate	**481**	mg/L	25.0	19.0	100		12/08/23 08:06	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 21:52	7429-90-5	
Barium	**57.4**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 21:52	7440-39-3	
Boron	**7150**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 21:52	7440-42-8	
Calcium	**236000**	ug/L	2000	135	2	11/28/23 21:33	12/05/23 22:24	7440-70-2	
Iron	**3310**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 21:52	7439-89-6	
Lithium	**70.1**	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 21:52	7439-93-2	
Magnesium	**63800**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 21:52	7439-95-4	
Manganese	**197**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 21:52	7439-96-5	
Molybdenum	**128**	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 21:52	7439-98-7	
Potassium	**11300**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 21:52	7440-09-7	
Silica	**12800**	ug/L	450		1	11/28/23 21:33	12/05/23 21:52	7631-86-9	N2
Sodium	**136000**	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 21:52	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3240**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 21:59	7439-89-6	
Manganese, Dissolved	**194**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 21:59	7439-96-5	
Molybdenum, Dissolved	**125**	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 21:59	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	0.13	1	11/29/23 15:15	12/01/23 02:38	7440-36-0	
Arsenic	**168**	ug/L	1.0	0.10	1	11/29/23 15:15	12/01/23 02:38	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/29/23 15:15	12/01/23 02:38	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/29/23 15:15	12/01/23 02:38	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/29/23 15:15	12/01/23 02:38	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		11/28/23 19:57		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		11/28/23 19:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 19:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1370**	mg/L	20.0	20.0	1		11/27/23 10:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-100D **Lab ID: 50360217002** Collected: 11/21/23 12:40 Received: 11/21/23 15:45 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	**7.2**	Std. Units	0.10	0.10	1		12/07/23 14:34		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:29	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.58**	mg/L	0.20	0.035	1		11/28/23 14:24	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/21/23 23:38	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/21/23 23:38	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.69**	mg/L	0.15	0.15	1	12/05/23 10:00	12/06/23 07:02		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 16:18	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 09:09		D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-101D **Lab ID: 50360217003** Collected: 11/21/23 14:20 Received: 11/21/23 15:45 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	6.7	100		12/08/23 09:42	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.017	1		12/08/23 09:03	16984-48-8	
Sulfate	**499**	mg/L	2.5	1.9	10		12/08/23 09:23	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	**483**	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 21:54	7429-90-5	
Barium	**92.9**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 21:54	7440-39-3	
Boron	**3860**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 21:54	7440-42-8	
Calcium	**250000**	ug/L	2000	135	2	11/28/23 21:33	12/05/23 22:25	7440-70-2	
Iron	**4640**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 21:54	7439-89-6	
Lithium	**106**	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 21:54	7439-93-2	
Magnesium	**47900**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 21:54	7439-95-4	
Manganese	**401**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 21:54	7439-96-5	
Molybdenum	**183**	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 21:54	7439-98-7	
Potassium	**17500**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 21:54	7440-09-7	
Silica	**14300**	ug/L	450		1	11/28/23 21:33	12/05/23 21:54	7631-86-9	N2
Sodium	**245000**	ug/L	2000	110	2	11/28/23 21:33	12/05/23 22:25	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3640**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 22:01	7439-89-6	
Manganese, Dissolved	**367**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 22:01	7439-96-5	
Molybdenum, Dissolved	**180**	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 22:01	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	0.13	1	11/29/23 15:15	12/01/23 02:42	7440-36-0	
Arsenic	**6.6**	ug/L	1.0	0.10	1	11/29/23 15:15	12/01/23 02:42	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/29/23 15:15	12/01/23 02:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/29/23 15:15	12/01/23 02:42	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/29/23 15:15	12/01/23 02:42	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**359**	mg/L	10.0	10.0	1		11/28/23 19:57		
Alkalinity,Bicarbonate (CaCO3)	**359**	mg/L	10.0	10.0	1		11/28/23 19:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 19:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1590**	mg/L	20.0	20.0	1		11/27/23 10:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-101D **Lab ID: 50360217003** Collected: 11/21/23 14:20 Received: 11/21/23 15:45 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	**7.2**	Std. Units	0.10	0.10	1		12/07/23 14:34		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:29	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:25	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/21/23 23:42	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/21/23 23:42	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.18**	mg/L	0.15	0.15	1	12/05/23 10:00	12/06/23 07:03		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 16:44	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 09:19		D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: Dup-7 **Lab ID: 50360217004** Collected: 11/21/23 08:00 Received: 11/21/23 15:45 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	**248**	mg/L	25.0	6.7	100		12/08/23 10:40	16887-00-6	
Fluoride	**0.59**	mg/L	0.10	0.017	1		12/08/23 10:01	16984-48-8	
Sulfate	**559**	mg/L	25.0	19.0	100		12/08/23 10:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 21:55	7429-90-5	
Barium	**57.4**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 21:55	7440-39-3	
Boron	**7160**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 21:55	7440-42-8	
Calcium	**240000**	ug/L	2000	135	2	11/28/23 21:33	12/05/23 22:27	7440-70-2	
Iron	**3270**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 21:55	7439-89-6	
Lithium	**70.3**	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 21:55	7439-93-2	
Magnesium	**63600**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 21:55	7439-95-4	
Manganese	**198**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 21:55	7439-96-5	
Molybdenum	**127**	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 21:55	7439-98-7	
Potassium	**11300**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 21:55	7440-09-7	
Silica	**12800**	ug/L	450		1	11/28/23 21:33	12/05/23 21:55	7631-86-9	N2
Sodium	**134000**	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 21:55	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**3170**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 22:06	7439-89-6	
Manganese, Dissolved	**190**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 22:06	7439-96-5	
Molybdenum, Dissolved	**124**	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 22:06	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	0.13	1	11/29/23 15:15	12/01/23 02:46	7440-36-0	
Arsenic	**165**	ug/L	1.0	0.10	1	11/29/23 15:15	12/01/23 02:46	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	11/29/23 15:15	12/01/23 02:46	7440-41-7	
Cobalt	ND	ug/L	1.0	0.082	1	11/29/23 15:15	12/01/23 02:46	7440-48-4	
Selenium	ND	ug/L	1.0	0.44	1	11/29/23 15:15	12/01/23 02:46	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		11/28/23 19:57		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		11/28/23 19:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 19:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1370**	mg/L	20.0	20.0	1		11/27/23 10:31		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: Dup-7 **Lab ID: 50360217004** Collected: 11/21/23 08:00 Received: 11/21/23 15:45 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	**7.3**	Std. Units	0.10	0.10	1		12/07/23 14:35		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:29	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:23	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/21/23 23:25	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/21/23 23:25	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.61**	mg/L	0.15	0.15	1	12/05/23 10:00	12/06/23 07:03		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 17:03	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.6**	mg/L	1.0	0.24	1		12/04/23 21:49		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 766572
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3512196 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/08/23 02:19	
Fluoride	mg/L	ND	0.10	0.017	12/08/23 02:19	
Sulfate	mg/L	ND	0.25	0.19	12/08/23 02:19	

LABORATORY CONTROL SAMPLE: 3512197

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	0.97	97	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512198 3512199

Parameter	Units	50360237001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	47.2	25	25	69.5	69.3	89	89	80-120	0	15	
Fluoride	mg/L	3.4	1	1	4.3	4.3	95	94	80-120	0	15	
Sulfate	mg/L	11.4	5	5	16.0	16.0	92	92	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512200 3512201

Parameter	Units	50361001003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.2	2.5	2.5	24.3	24.3	81	82	80-120	0	15	
Fluoride	mg/L	0.36	1	1	1.3	1.3	98	98	80-120	0	15	
Sulfate	mg/L	34.7	5	5	39.2	39.3	90	92	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 764641
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3504875 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	12/05/23 21:42	
Barium	ug/L	ND	10.0	0.45	12/05/23 21:42	
Boron	ug/L	ND	100	6.2	12/05/23 21:42	
Calcium	ug/L	ND	1000	67.7	12/05/23 21:42	
Iron	ug/L	ND	100	30.0	12/05/23 21:42	
Lithium	ug/L	ND	20.0	6.8	12/05/23 21:42	
Magnesium	ug/L	ND	1000	33.6	12/05/23 21:42	
Manganese	ug/L	ND	10.0	1.8	12/05/23 21:42	
Molybdenum	ug/L	ND	10.0	0.78	12/05/23 21:42	
Potassium	ug/L	ND	1000	97.8	12/05/23 21:42	
Silica	ug/L	ND	450		12/05/23 21:42	N2
Sodium	ug/L	ND	1000	54.8	12/05/23 21:42	

LABORATORY CONTROL SAMPLE: 3504876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10200	102	80-120	
Barium	ug/L	1000	993	99	80-120	
Boron	ug/L	1000	978	98	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Iron	ug/L	10000	9980	100	80-120	
Lithium	ug/L	1000	1020	102	80-120	
Magnesium	ug/L	10000	9810	98	80-120	
Manganese	ug/L	1000	954	95	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	9990	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504877 3504878

Parameter	Units	50360217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10300	10000	103	100	75-125	3	20	
Barium	ug/L	38.5	1000	1000	1030	992	99	95	75-125	4	20	
Boron	ug/L	1710	1000	1000	2810	2700	110	100	75-125	4	20	
Calcium	ug/L	226000	10000	10000	235000	229000	86	28	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504877 3504878

Parameter	Units	50360217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	2340	10000	10000	12400	12000	100	96	75-125	3	20	
Lithium	ug/L	55.6	1000	1000	1080	1040	103	98	75-125	4	20	
Magnesium	ug/L	70800	10000	10000	82400	79500	116	87	75-125	4	20	
Manganese	ug/L	399	1000	1000	1350	1300	95	90	75-125	3	20	
Molybdenum	ug/L	103	1000	1000	1150	1100	104	100	75-125	4	20	
Potassium	ug/L	10600	10000	10000	21500	20700	108	101	75-125	3	20	
Silica	ug/L	15400	10700	10700	27100	26100	110	100	75-125	4	20	N2
Sodium	ug/L	219000	10000	10000	230000	223000	108	38	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 765722
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3509000 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	12/04/23 21:48	
Manganese, Dissolved	ug/L	ND	10.0	1.8	12/04/23 21:48	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	12/04/23 21:48	

LABORATORY CONTROL SAMPLE: 3509001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9520	95	80-120	
Manganese, Dissolved	ug/L	1000	909	91	80-120	
Molybdenum, Dissolved	ug/L	1000	979	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509004 3509005

Parameter	Units	50360237001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	ND	10000	10000	9800	9930	98	99	75-125	1	20	
Manganese, Dissolved	ug/L	11.8	1000	1000	936	947	92	94	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1000	1010	100	101	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 765223
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3506961 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.13	12/01/23 00:31	
Arsenic	ug/L	ND	1.0	0.10	12/01/23 00:31	
Beryllium	ug/L	ND	0.20	0.026	12/01/23 00:31	
Cobalt	ug/L	ND	1.0	0.082	12/01/23 00:31	
Selenium	ug/L	ND	1.0	0.44	12/01/23 00:31	

LABORATORY CONTROL SAMPLE: 3506962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	39.0	97	80-120	
Beryllium	ug/L	40	38.7	97	80-120	
Cobalt	ug/L	40	40.8	102	80-120	
Selenium	ug/L	40	38.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506963 3506964

Parameter	Units	50360297001 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	41.5	41.3	103	103	75-125	1	20	
Arsenic	ug/L	ND	40	40	39.3	39.9	97	99	75-125	1	20	
Beryllium	ug/L	ND	40	40	38.6	39.4	96	98	75-125	2	20	
Cobalt	ug/L	ND	40	40	38.3	38.7	95	96	75-125	1	20	
Selenium	ug/L	ND	40	40	39.8	39.7	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 765169
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3506773 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/28/23 19:57	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/28/23 19:57	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/28/23 19:57	

LABORATORY CONTROL SAMPLE: 3506774

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: 3506775

Parameter	Units	50360217001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	309	315	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	309	315	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 764797 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3505395 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/27/23 10:27	

LABORATORY CONTROL SAMPLE: 3505396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	285	95	80-120	

SAMPLE DUPLICATE: 3505397

Parameter	Units	50360317004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	601	604	0	10	

SAMPLE DUPLICATE: 3505398

Parameter	Units	50360282001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	PL

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 766729
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: 50360217001, 50360217002, 50360217003, 50360217004

SAMPLE DUPLICATE: 3513036

Parameter	Units	50360667005 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	1	2	H3

SAMPLE DUPLICATE: 3513037

Parameter	Units	50360283003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 764696
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3505134 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/23/23 17:29	

LABORATORY CONTROL SAMPLE: 3505135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505136 3505137

Parameter	Units	50360217002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.46	0.46	86	86	90-110	0	20	M3

MATRIX SPIKE SAMPLE: 3505138

Parameter	Units	50360238001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.11	0.5	0.25	28	90-110	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 765058 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3506112 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/28/23 14:17	H3,N2

LABORATORY CONTROL SAMPLE: 3506113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	0.98	98	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506114 3506115

Parameter	Units	50359882002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.1	106	106	90-110	0	20	H3,N2

MATRIX SPIKE SAMPLE: 3506116

Parameter	Units	50360217001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	ND	1	1.1	106	90-110	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 764414
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: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3503859 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/21/23 23:10	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/21/23 23:10	

LABORATORY CONTROL SAMPLE: 3503860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	103	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3503861 3503862

Parameter	Units	50360157001 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	2.0	1	1	3.0	3.0	96	97	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.0	1.0	104	104	90-110	0	20	

MATRIX SPIKE SAMPLE: 3503863

Parameter	Units	50360237001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	101	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 766234
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3510919 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/06/23 06:56	

LABORATORY CONTROL SAMPLE: 3510920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510921 3510922

Parameter	Units	50360217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.15			1.6	1.6				4		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 765965
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3510124 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/04/23 15:20	

LABORATORY CONTROL SAMPLE: 3510125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510126 3510127

Parameter	Units	50360090001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.0	10	10	11.5	11.6	95	96	80-120	1	20	

MATRIX SPIKE SAMPLE: 3510128

Parameter	Units	50360219003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.1	10	10.7	96	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

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

QUALITY CONTROL DATA

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 765969
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3510144 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/04/23 20:13	

LABORATORY CONTROL SAMPLE: 3510145

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: 3510146 3510147

Parameter	Units	50360386001 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	2.6	10	10	12.2	12.3	96	96	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510148 3510149

Parameter	Units	50360416003 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	2.3	10	10	11.8	11.9	94	95	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-100S **Lab ID: 50360217001** Collected: 11/21/23 13:17 Received: 11/21/23 15:45 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	**-0.229 ± 0.550 (1.15) C:NA T:88%**	pCi/L	12/19/23 12:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.794 ± 0.361 (0.594) C:93% T:84%**	pCi/L	12/13/23 14:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.794 ± 0.911 (1.74)**	pCi/L	12/19/23 15:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-100D **Lab ID: 50360217002** Collected: 11/21/23 12:40 Received: 11/21/23 15:45 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	**0.753 ± 0.589 (0.874) C:NA T:95%**	pCi/L	12/19/23 12:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.514 ± 0.367 (0.714) C:90% T:81%**	pCi/L	12/13/23 14:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.27 ± 0.956 (1.59)**	pCi/L	12/19/23 15:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: PZ-101D **Lab ID: 50360217003** Collected: 11/21/23 14:20 Received: 11/21/23 15:45 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	**1.67 ± 0.733 (0.826) C:NA T:86%**	pCi/L	12/19/23 12:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.877 ± 0.401 (0.665) C:88% T:89%**	pCi/L	12/13/23 14:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.55 ± 1.13 (1.49)**	pCi/L	12/19/23 15:26	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Sample: Dup-7 **Lab ID: 50360217004** Collected: 11/21/23 08:00 Received: 11/21/23 15:45 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	**0.266 ± 0.314 (0.493) C:NA T:91%**	pCi/L	12/19/23 12:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.242 ± 0.309 (0.655) C:90% T:80%**	pCi/L	12/13/23 14:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.508 ± 0.623 (1.15)**	pCi/L	12/19/23 15:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 633513
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: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3088468 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.219 ± 0.229 (0.323) C:NA T:85%	pCi/L	12/19/23 12:31	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

QC Batch: 633515
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: 50360217001, 50360217002, 50360217003, 50360217004

METHOD BLANK: 3088473 Matrix: Water
Associated Lab Samples: 50360217001, 50360217002, 50360217003, 50360217004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.517 ± 0.300 (0.541) C:94% T:87%	pCi/L	12/13/23 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

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

QUALIFIERS

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360217001	**PZ-100S**	EPA 9056	766572		
50360217002	**PZ-100D**	EPA 9056	766572		
50360217003	**PZ-101D**	EPA 9056	766572		
50360217004	**Dup-7**	EPA 9056	766572		
50360217001	**PZ-100S**	EPA 3010	764641	EPA 6010	766423
50360217002	**PZ-100D**	EPA 3010	764641	EPA 6010	766423
50360217003	**PZ-101D**	EPA 3010	764641	EPA 6010	766423
50360217004	**Dup-7**	EPA 3010	764641	EPA 6010	766423
50360217001	**PZ-100S**	EPA 3010	765722	EPA 6010	766200
50360217002	**PZ-100D**	EPA 3010	765722	EPA 6010	766200
50360217003	**PZ-101D**	EPA 3010	765722	EPA 6010	766200
50360217004	**Dup-7**	EPA 3010	765722	EPA 6010	766200
50360217001	**PZ-100S**	EPA 200.2	765223	EPA 6020	765681
50360217002	**PZ-100D**	EPA 200.2	765223	EPA 6020	765681
50360217003	**PZ-101D**	EPA 200.2	765223	EPA 6020	765681
50360217004	**Dup-7**	EPA 200.2	765223	EPA 6020	765681
50360217001	**PZ-100S**	EPA 903.1	633513		
50360217002	**PZ-100D**	EPA 903.1	633513		
50360217003	**PZ-101D**	EPA 903.1	633513		
50360217004	**Dup-7**	EPA 903.1	633513		
50360217001	**PZ-100S**	EPA 904.0	633515		
50360217002	**PZ-100D**	EPA 904.0	633515		
50360217003	**PZ-101D**	EPA 904.0	633515		
50360217004	**Dup-7**	EPA 904.0	633515		
50360217001	**PZ-100S**	Total Radium Calculation	637206		
50360217002	**PZ-100D**	Total Radium Calculation	637206		
50360217003	**PZ-101D**	Total Radium Calculation	637206		
50360217004	**Dup-7**	Total Radium Calculation	637206		
50360217001	**PZ-100S**	SM 2320B	765169		
50360217002	**PZ-100D**	SM 2320B	765169		
50360217003	**PZ-101D**	SM 2320B	765169		
50360217004	**Dup-7**	SM 2320B	765169		
50360217001	**PZ-100S**	SM 2540C	764797		
50360217002	**PZ-100D**	SM 2540C	764797		
50360217003	**PZ-101D**	SM 2540C	764797		
50360217004	**Dup-7**	SM 2540C	764797		
50360217001	**PZ-100S**	SM 4500-H+B	766729		
50360217002	**PZ-100D**	SM 4500-H+B	766729		
50360217003	**PZ-101D**	SM 4500-H+B	766729		
50360217004	**Dup-7**	SM 4500-H+B	766729		
50360217001	**PZ-100S**	SM 4500-S2-D	764696		
50360217002	**PZ-100D**	SM 4500-S2-D	764696		
50360217003	**PZ-101D**	SM 4500-S2-D	764696		
50360217004	**Dup-7**	SM 4500-S2-D	764696		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R2 Nov 2023
Pace Project No.: 50360217

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360217001	**PZ-100S**	HACH 8146	765058		
50360217002	**PZ-100D**	HACH 8146	765058		
50360217003	**PZ-101D**	HACH 8146	765058		
50360217004	**Dup-7**	HACH 8146	765058		
50360217001	**PZ-100S**	EPA 353.2	764414		
50360217002	**PZ-100D**	EPA 353.2	764414		
50360217003	**PZ-101D**	EPA 353.2	764414		
50360217004	**Dup-7**	EPA 353.2	764414		
50360217001	**PZ-100S**	EPA 365.1	766234	EPA 365.1	766444
50360217002	**PZ-100D**	EPA 365.1	766234	EPA 365.1	766444
50360217003	**PZ-101D**	EPA 365.1	766234	EPA 365.1	766444
50360217004	**Dup-7**	EPA 365.1	766234	EPA 365.1	766444
50360217001	**PZ-100S**	SM 5310C	765965		
50360217002	**PZ-100D**	SM 5310C	765965		
50360217003	**PZ-101D**	SM 5310C	765965		
50360217004	**Dup-7**	SM 5310C	765965		
50360217001	**PZ-100S**	SM 5310C	765969		
50360217002	**PZ-100D**	SM 5310C	765969		
50360217003	**PZ-101D**	SM 5310C	765969		
50360217004	**Dup-7**	SM 5310C	765969		

P1R2

Pace

CHAIN-OF-CUSTODY / Analytical Request D

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields m

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pa

WO# : 50360217

50360217

Section A	Section B	Section C	
Required Client Information:	**Required Project Information:**	**Invoice Information:**	
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	Regulatory Agency
Suite 100, Indianapolis, IN 46256		Address:	
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #:	**Pace Profile #: 10498-48**	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left) Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
	Requested Analysis Filtered (Y/N)																													
1	PZ-100S	WT		11.21	1317				11	3	3	4		1				X	X	X	X	X	X	X	X	X	X		001
2	PZ-100D	WT		11.21	1240													X	X	X	X	X	X	X	X	X	X		002
3	PZ-1010	WT		11.21	1420													X	X	X	X	X	X	X	X	X	X		003
4	Dup-7	WT		11.21	—													X	X	X	X	X	X	X	X	X	X		004
5		WT																X	X	X	X	X	X	X	X	X	X		
6		WT																X	X	X	X	X	X	X	X	X	X		
7		WT																X	X	X	X	X	X	X	X	X	X		
8		WT																X	X	X	X	X	X	X	X	X	X		
9		WT																X	X	X	X	X	X	X	X	X	X		
10		WT																X	X	X	X	X	X	X	X	X	X		
11		WT																X	X	X	X	X	X	X	X	X	X		
12		WT																X	X	X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Keegan Lawhead/Atlas	11.21.23	1500	JOHN A. MAGILL JR - ATLAS	11.21	1500				
6020 - Be,Co, As, Se, Sb (5)	Mahah Bedram / ATLAS	11.21.23	1500	JOHN A. MAGILL JR - ATLAS	11.21	1500				
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)	JOHN A. MAGILL JR	11.21.23	1545	PACE	11/21/23	1545	1.1	Y	N	Y
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Keegan Lawhead,						
SIGNATURE of SAMPLER: Keegan Lawhead	DATE Signed: 11.21.23					

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TW 11/21/23 1610

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

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

4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.1/1.1	0.9/0.9	1.1/1.1	

5. **Packing Material:** ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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:** NO2/NO3	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 16:55			Present	Absent	N/A
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Custody Signatures Present?	✓		Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Containers Intact?:	✓		Headspace Wisconsin Sulfide?			✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Extra labels on Terracore Vials? (soils only)			Trip Blank Present?		✓	
			Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED 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	1			2	2	1	1	1	1		1				WT	✓	✓		✓
2												↓	↓			↓	↓	↓	↓	↓	↓		↓				↓	↓	↓		↓
3												↓	↓			↓	↓	↓	↓	↓	↓		↓				↓	↓	↓		↓
4												↓	↓			↓	↓	↓	↓	↓	↓		↓				↓	↓	↓		↓
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2023. 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,

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: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50360344001	**MW-1D**	Water	11/22/23 11:30	11/22/23 13:50
50360344002	**MW-1S**	Water	11/22/23 10:00	11/22/23 13:50
50360344003	**MW-2D1**	Water	11/22/23 11:00	11/22/23 13:50

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50360344001	**MW-1D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360344002	**MW-1S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360344003	**MW-2D1**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360344001	**MW-1D**					
EPA 9056	Chloride	146	mg/L	2.5	12/08/23 17:24	
EPA 9056	Fluoride	0.42	mg/L	0.10	12/08/23 17:05	
EPA 9056	Sulfate	87.2	mg/L	2.5	12/08/23 17:24	
EPA 6010	Barium	76.1	ug/L	10.0	12/05/23 22:09	
EPA 6010	Boron	168	ug/L	100	12/05/23 22:09	
EPA 6010	Calcium	82800	ug/L	1000	12/05/23 22:09	
EPA 6010	Iron	1600	ug/L	100	12/05/23 22:09	
EPA 6010	Magnesium	22700	ug/L	1000	12/05/23 22:09	
EPA 6010	Manganese	150	ug/L	10.0	12/05/23 22:09	
EPA 6010	Molybdenum	18.7	ug/L	10.0	12/05/23 22:09	
EPA 6010	Potassium	5370	ug/L	1000	12/05/23 22:09	
EPA 6010	Silica	13400	ug/L	450	12/05/23 22:09	N2
EPA 6010	Sodium	102000	ug/L	1000	12/05/23 22:09	
EPA 6010	Iron, Dissolved	1190	ug/L	100	12/04/23 22:17	
EPA 6010	Manganese, Dissolved	163	ug/L	10.0	12/04/23 22:17	
EPA 6010	Molybdenum, Dissolved	19.1	ug/L	10.0	12/04/23 22:17	
EPA 6020	Arsenic	4.4	ug/L	1.0	12/04/23 07:11	
EPA 903.1	Radium-226	0.416 ± 0.384 (0.559) C:NA T:91%	pCi/L		12/19/23 12:43	
EPA 904.0	Radium-228	1.04 ± 0.417 (0.604) C:91% T:84%	pCi/L		12/13/23 14:13	
Total Radium Calculation	Total Radium	1.46 ± 0.801 (1.16)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	248	mg/L	10.0	11/29/23 21:23	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	248	mg/L	10.0	11/29/23 21:23	
SM 2540C	Total Dissolved Solids	559	mg/L	10.0	11/28/23 13:23	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	12/08/23 13:04	H3
EPA 365.1	Phosphate as P04	0.53	mg/L	0.15	12/06/23 07:30	
SM 5310C	Dissolved Organic Carbon	3.5	mg/L	1.0	12/04/23 22:33	
50360344002	**MW-1S**					
EPA 9056	Chloride	209	mg/L	2.5	12/08/23 18:03	
EPA 9056	Fluoride	0.32	mg/L	0.10	12/08/23 17:44	
EPA 9056	Sulfate	132	mg/L	2.5	12/08/23 18:03	
EPA 6010	Barium	76.1	ug/L	10.0	12/05/23 22:10	
EPA 6010	Boron	292	ug/L	100	12/05/23 22:10	
EPA 6010	Calcium	96600	ug/L	1000	12/05/23 22:10	
EPA 6010	Iron	2410	ug/L	100	12/05/23 22:10	
EPA 6010	Magnesium	28900	ug/L	1000	12/05/23 22:10	
EPA 6010	Manganese	217	ug/L	10.0	12/05/23 22:10	
EPA 6010	Molybdenum	19.7	ug/L	10.0	12/05/23 22:10	
EPA 6010	Potassium	7230	ug/L	1000	12/05/23 22:10	
EPA 6010	Silica	12100	ug/L	450	12/05/23 22:10	N2
EPA 6010	Sodium	149000	ug/L	1000	12/05/23 22:10	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360344002	**MW-1S**					
EPA 6010	Iron, Dissolved	1390	ug/L	100	12/04/23 22:19	
EPA 6010	Manganese, Dissolved	215	ug/L	10.0	12/04/23 22:19	
EPA 6010	Molybdenum, Dissolved	19.1	ug/L	10.0	12/04/23 22:19	
EPA 6020	Arsenic	5.9	ug/L	1.0	12/04/23 07:15	
EPA 903.1	Radium-226	0.998 ± 0.486 (0.387) C:NA T:91%	pCi/L		12/19/23 12:43	
EPA 904.0	Radium-228	0.636 ± 0.365 (0.660) C:89% T:83%	pCi/L		12/13/23 14:13	
Total Radium Calculation	Total Radium	1.63 ± 0.851 (1.05)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	263	mg/L	10.0	11/28/23 21:22	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	10.0	11/28/23 21:22	
SM 2540C	Total Dissolved Solids	752	mg/L	20.0	11/28/23 13:23	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	12/08/23 13:04	H3
HACH 8146	Iron, Ferrous	0.30	mg/L	0.20	11/28/23 14:57	H3,N2
EPA 365.1	Phosphate as P04	1.9	mg/L	0.15	12/06/23 07:31	
SM 5310C	Dissolved Organic Carbon	3.6	mg/L	1.0	12/04/23 22:45	
50360344003	**MW-2D1**					
EPA 9056	Chloride	66.0	mg/L	2.5	12/08/23 18:41	
EPA 9056	Fluoride	0.47	mg/L	0.10	12/08/23 18:22	
EPA 9056	Sulfate	208	mg/L	2.5	12/08/23 18:41	
EPA 6010	Barium	462	ug/L	10.0	12/05/23 22:11	
EPA 6010	Boron	362	ug/L	100	12/05/23 22:11	
EPA 6010	Calcium	167000	ug/L	1000	12/05/23 22:11	
EPA 6010	Iron	5760	ug/L	100	12/05/23 22:11	
EPA 6010	Magnesium	54500	ug/L	1000	12/05/23 22:11	
EPA 6010	Manganese	165	ug/L	10.0	12/05/23 22:11	
EPA 6010	Potassium	3200	ug/L	1000	12/05/23 22:11	
EPA 6010	Silica	18100	ug/L	450	12/05/23 22:11	N2
EPA 6010	Sodium	31800	ug/L	1000	12/05/23 22:11	
EPA 6010	Iron, Dissolved	5640	ug/L	100	12/04/23 22:26	
EPA 6010	Manganese, Dissolved	162	ug/L	10.0	12/04/23 22:26	
EPA 6020	Arsenic	13.7	ug/L	1.0	12/04/23 07:18	
EPA 903.1	Radium-226	5.18 ± 1.27 (0.930) C:NA T:89%	pCi/L		12/19/23 12:43	
EPA 904.0	Radium-228	1.08 ± 0.421 (0.633) C:90% T:81%	pCi/L		12/13/23 14:14	
Total Radium Calculation	Total Radium	6.26 ± 1.69 (1.56)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	410	mg/L	10.0	11/28/23 21:22	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360344003	**MW-2D1**					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	410	mg/L	10.0	11/28/23 21:22	
SM 2540C	Total Dissolved Solids	568	mg/L	20.0	11/28/23 13:24	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	12/08/23 13:05	H3
EPA 365.1	Phosphate as P04	1.4	mg/L	0.15	12/06/23 07:32	
SM 5310C	Total Organic Carbon	3.9	mg/L	1.0	12/05/23 14:16	
SM 5310C	Dissolved Organic Carbon	6.1	mg/L	1.0	12/04/23 22:57	

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-1D **Lab ID: 50360344001** Collected: 11/22/23 11:30 Received: 11/22/23 13:50 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	**146**	mg/L	2.5	0.67	10		12/08/23 17:24	16887-00-6	
Fluoride	**0.42**	mg/L	0.10	0.017	1		12/08/23 17:05	16984-48-8	
Sulfate	**87.2**	mg/L	2.5	1.9	10		12/08/23 17:24	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 22:09	7429-90-5	
Barium	**76.1**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 22:09	7440-39-3	
Boron	**168**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 22:09	7440-42-8	
Calcium	**82800**	ug/L	1000	67.7	1	11/28/23 21:33	12/05/23 22:09	7440-70-2	
Iron	**1600**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 22:09	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 22:09	7439-93-2	
Magnesium	**22700**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 22:09	7439-95-4	
Manganese	**150**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 22:09	7439-96-5	
Molybdenum	**18.7**	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 22:09	7439-98-7	
Potassium	**5370**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 22:09	7440-09-7	
Silica	**13400**	ug/L	450		1	11/28/23 21:33	12/05/23 22:09	7631-86-9	N2
Sodium	**102000**	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 22:09	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1190**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 22:17	7439-89-6	
Manganese, Dissolved	**163**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 22:17	7439-96-5	
Molybdenum, Dissolved	**19.1**	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 22:17	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	0.080	1	12/01/23 06:20	12/04/23 07:11	7440-36-0	
Arsenic	**4.4**	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 07:11	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 07:11	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 07:11	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 07:11	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**248**	mg/L	10.0	10.0	1		11/29/23 21:23		
Alkalinity,Bicarbonate (CaCO3)	**248**	mg/L	10.0	10.0	1		11/29/23 21:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/29/23 21:23		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**559**	mg/L	10.0	10.0	1		11/28/23 13:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-1D **Lab ID: 50360344001** Collected: 11/22/23 11:30 Received: 11/22/23 13:50 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	**7.5**	Std. Units	0.10	0.10	1		12/08/23 13:04		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:29	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:58	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/23/23 01:27	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/23/23 01:27	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.53**	mg/L	0.15	0.15	1	12/05/23 11:30	12/06/23 07:30		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 17:48	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.5**	mg/L	1.0	0.24	1		12/04/23 22:33		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-1S **Lab ID: 50360344002** Collected: 11/22/23 10:00 Received: 11/22/23 13:50 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	**209**	mg/L	2.5	0.67	10		12/08/23 18:03	16887-00-6	
Fluoride	**0.32**	mg/L	0.10	0.017	1		12/08/23 17:44	16984-48-8	
Sulfate	**132**	mg/L	2.5	1.9	10		12/08/23 18:03	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 22:10	7429-90-5	
Barium	**76.1**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 22:10	7440-39-3	
Boron	**292**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 22:10	7440-42-8	
Calcium	**96600**	ug/L	1000	67.7	1	11/28/23 21:33	12/05/23 22:10	7440-70-2	
Iron	**2410**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 22:10	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 22:10	7439-93-2	
Magnesium	**28900**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 22:10	7439-95-4	
Manganese	**217**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 22:10	7439-96-5	
Molybdenum	**19.7**	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 22:10	7439-98-7	
Potassium	**7230**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 22:10	7440-09-7	
Silica	**12100**	ug/L	450		1	11/28/23 21:33	12/05/23 22:10	7631-86-9	N2
Sodium	**149000**	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 22:10	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1390**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 22:19	7439-89-6	
Manganese, Dissolved	**215**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 22:19	7439-96-5	
Molybdenum, Dissolved	**19.1**	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 22:19	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	0.080	1	12/01/23 06:20	12/04/23 07:15	7440-36-0	
Arsenic	**5.9**	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 07:15	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 07:15	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 07:15	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 07:15	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		11/28/23 21:22		
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 21:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**752**	mg/L	20.0	20.0	1		11/28/23 13:23		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-1S **Lab ID: 50360344002** Collected: 11/22/23 10:00 Received: 11/22/23 13:50 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	**7.3**	Std. Units	0.10	0.10	1		12/08/23 13:04		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:29	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.30**	mg/L	0.20	0.035	1		11/28/23 14:57	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/23/23 01:23	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/23/23 01:23	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**1.9**	mg/L	0.15	0.15	1	12/05/23 11:30	12/06/23 07:31		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	4.0	0.94	4		12/05/23 18:07	7440-44-0	D3
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.6**	mg/L	1.0	0.24	1		12/04/23 22:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-2D1 **Lab ID: 50360344003** Collected: 11/22/23 11:00 Received: 11/22/23 13:50 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	**66.0**	mg/L	2.5	0.67	10		12/08/23 18:41	16887-00-6	
Fluoride	**0.47**	mg/L	0.10	0.017	1		12/08/23 18:22	16984-48-8	
Sulfate	**208**	mg/L	2.5	1.9	10		12/08/23 18:41	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 22:11	7429-90-5	
Barium	**462**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 22:11	7440-39-3	
Boron	**362**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 22:11	7440-42-8	
Calcium	**167000**	ug/L	1000	67.7	1	11/28/23 21:33	12/05/23 22:11	7440-70-2	
Iron	**5760**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 22:11	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 22:11	7439-93-2	
Magnesium	**54500**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 22:11	7439-95-4	
Manganese	**165**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 22:11	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 22:11	7439-98-7	
Potassium	**3200**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 22:11	7440-09-7	
Silica	**18100**	ug/L	450		1	11/28/23 21:33	12/05/23 22:11	7631-86-9	N2
Sodium	**31800**	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 22:11	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**5640**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 22:26	7439-89-6	
Manganese, Dissolved	**162**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 22:26	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 22:26	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	0.080	1	12/01/23 06:20	12/04/23 07:18	7440-36-0	
Arsenic	**13.7**	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 07:18	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 07:18	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 07:18	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 07:18	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**410**	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Bicarbonate (CaCO3)	**410**	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 21:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**568**	mg/L	20.0	20.0	1		11/28/23 13:24		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-2D1 **Lab ID: 50360344003** Collected: 11/22/23 11:00 Received: 11/22/23 13:50 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	**7.4**	Std. Units	0.10	0.10	1		12/08/23 13:05		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:31	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:58	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/23/23 01:25	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/23/23 01:25	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**1.4**	mg/L	0.15	0.15	1	12/05/23 11:30	12/06/23 07:32		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.9**	mg/L	1.0	0.24	1		12/05/23 14:16	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**6.1**	mg/L	1.0	0.24	1		12/04/23 22:57		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 766572
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3512196 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/08/23 02:19	
Fluoride	mg/L	ND	0.10	0.017	12/08/23 02:19	
Sulfate	mg/L	ND	0.25	0.19	12/08/23 02:19	

LABORATORY CONTROL SAMPLE: 3512197

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	0.97	97	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512198 3512199

Parameter	Units	50360237001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	47.2	25	25	69.5	69.3	89	89	80-120	0	15	
Fluoride	mg/L	3.4	1	1	4.3	4.3	95	94	80-120	0	15	
Sulfate	mg/L	11.4	5	5	16.0	16.0	92	92	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512200 3512201

Parameter	Units	50361001003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.2	2.5	2.5	24.3	24.3	81	82	80-120	0	15	
Fluoride	mg/L	0.36	1	1	1.3	1.3	98	98	80-120	0	15	
Sulfate	mg/L	34.7	5	5	39.2	39.3	90	92	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 764641
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3504875 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	12/05/23 21:42	
Barium	ug/L	ND	10.0	0.45	12/05/23 21:42	
Boron	ug/L	ND	100	6.2	12/05/23 21:42	
Calcium	ug/L	ND	1000	67.7	12/05/23 21:42	
Iron	ug/L	ND	100	30.0	12/05/23 21:42	
Lithium	ug/L	ND	20.0	6.8	12/05/23 21:42	
Magnesium	ug/L	ND	1000	33.6	12/05/23 21:42	
Manganese	ug/L	ND	10.0	1.8	12/05/23 21:42	
Molybdenum	ug/L	ND	10.0	0.78	12/05/23 21:42	
Potassium	ug/L	ND	1000	97.8	12/05/23 21:42	
Silica	ug/L	ND	450		12/05/23 21:42	N2
Sodium	ug/L	ND	1000	54.8	12/05/23 21:42	

LABORATORY CONTROL SAMPLE: 3504876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10200	102	80-120	
Barium	ug/L	1000	993	99	80-120	
Boron	ug/L	1000	978	98	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Iron	ug/L	10000	9980	100	80-120	
Lithium	ug/L	1000	1020	102	80-120	
Magnesium	ug/L	10000	9810	98	80-120	
Manganese	ug/L	1000	954	95	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	9990	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504877 3504878

Parameter	Units	50360217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10300	10000	103	100	75-125	3	20	
Barium	ug/L	38.5	1000	1000	1030	992	99	95	75-125	4	20	
Boron	ug/L	1710	1000	1000	2810	2700	110	100	75-125	4	20	
Calcium	ug/L	226000	10000	10000	235000	229000	86	28	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504877 3504878

Parameter	Units	50360217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	2340	10000	10000	12400	12000	100	96	75-125	3	20	
Lithium	ug/L	55.6	1000	1000	1080	1040	103	98	75-125	4	20	
Magnesium	ug/L	70800	10000	10000	82400	79500	116	87	75-125	4	20	
Manganese	ug/L	399	1000	1000	1350	1300	95	90	75-125	3	20	
Molybdenum	ug/L	103	1000	1000	1150	1100	104	100	75-125	4	20	
Potassium	ug/L	10600	10000	10000	21500	20700	108	101	75-125	3	20	
Silica	ug/L	15400	10700	10700	27100	26100	110	100	75-125	4	20	N2
Sodium	ug/L	219000	10000	10000	230000	223000	108	38	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 765722
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3509000 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	12/04/23 21:48	
Manganese, Dissolved	ug/L	ND	10.0	1.8	12/04/23 21:48	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	12/04/23 21:48	

LABORATORY CONTROL SAMPLE: 3509001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9520	95	80-120	
Manganese, Dissolved	ug/L	1000	909	91	80-120	
Molybdenum, Dissolved	ug/L	1000	979	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509004 3509005

Parameter	Units	50360237001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	ND	10000	10000	9800	9930	98	99	75-125	1	20	
Manganese, Dissolved	ug/L	11.8	1000	1000	936	947	92	94	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1000	1010	100	101	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 765677
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3508713 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.080	12/04/23 06:47	
Arsenic	ug/L	ND	1.0	0.12	12/04/23 06:47	
Beryllium	ug/L	ND	0.20	0.026	12/04/23 06:47	
Cobalt	ug/L	ND	1.0	0.071	12/04/23 06:47	
Selenium	ug/L	ND	1.0	0.19	12/04/23 06:47	

LABORATORY CONTROL SAMPLE: 3508714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.8	102	80-120	
Arsenic	ug/L	40	37.9	95	80-120	
Beryllium	ug/L	40	38.3	96	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	38.9	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3508715 3508716

Parameter	Units	50360386001 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	41.9	41.8	105	104	75-125	0	20	
Arsenic	ug/L	ND	40	40	39.5	38.8	96	95	75-125	2	20	
Beryllium	ug/L	ND	40	40	29.7	29.3	74	73	75-125	1	20	M3
Cobalt	ug/L	2.0	40	40	39.8	40.2	95	95	75-125	1	20	
Selenium	ug/L	ND	40	40	40.3	39.5	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 765170
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344002, 50360344003

METHOD BLANK: 3506781 Matrix: Water
Associated Lab Samples: 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/28/23 21:22	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/28/23 21:22	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/28/23 21:22	

LABORATORY CONTROL SAMPLE: 3506782

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: 3506783

Parameter	Units	50360301002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	241	245	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	219	222	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	22.0	22.8	4	20	

SAMPLE DUPLICATE: 3506784

Parameter	Units	50360386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	289	298	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	289	298	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 765452
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001

METHOD BLANK: 3507832 Matrix: Water
Associated Lab Samples: 50360344001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/29/23 21:23	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/29/23 21:23	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/29/23 21:23	

LABORATORY CONTROL SAMPLE: 3507833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.2	98	90-110	

SAMPLE DUPLICATE: 3507834

Parameter	Units	50360279001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	61.4	62.6	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	61.4	62.6	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3507835

Parameter	Units	50360299001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	102	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	100	102	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 764991
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3505919 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/28/23 13:17	

LABORATORY CONTROL SAMPLE: 3505918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	274	91	80-120	

SAMPLE DUPLICATE: 3505920

Parameter	Units	50360341007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3690	3610	2	10	

SAMPLE DUPLICATE: 3505921

Parameter	Units	50360386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1350	1320	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 766938
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: 50360344001, 50360344002, 50360344003

SAMPLE DUPLICATE: 3514249

Parameter	Units	50360305001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3514250

Parameter	Units	50360386001 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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 764696
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002

METHOD BLANK: 3505134 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/23/23 17:29	

LABORATORY CONTROL SAMPLE: 3505135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505136 3505137

Parameter	Units	50360217002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.46	0.46	86	86	90-110	0	20	M3

MATRIX SPIKE SAMPLE: 3505138

Parameter	Units	50360238001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.11	0.5	0.25	28	90-110	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 764697
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344003

METHOD BLANK: 3505139 Matrix: Water
Associated Lab Samples: 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/23/23 17:31	

LABORATORY CONTROL SAMPLE: 3505140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505141 3505142

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.26	0.5	0.5	0.47	0.47	40	41	90-110	0	20	M3

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 765059
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3506117 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/28/23 14:56	H3,N2

LABORATORY CONTROL SAMPLE: 3506118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	101	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506119 3506120

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.2	5	5	6.2	6.1	100	98	90-110	2	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506121 3506122

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.7	5	5	6.6	6.7	97	99	90-110	1	20	H3,N2

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 764684
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: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3505105 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/23/23 01:13	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/23/23 01:13	

LABORATORY CONTROL SAMPLE: 3505106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505107 3505108

Parameter	Units	50360386001 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	0.74	0.74	74	74	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	0.99	1.0	97	98	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 766236
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3510928 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/06/23 07:24	

LABORATORY CONTROL SAMPLE: 3510929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510930 3510931

Parameter	Units	50360344001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.53			2.3	2.1				7		

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 765967
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3510133 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/05/23 03:01	

LABORATORY CONTROL SAMPLE: 3510134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510135 3510136

Parameter	Units	50360301002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.8	10	10	12.4	12.4	95	96	80-120	0	20	

MATRIX SPIKE SAMPLE: 3510137

Parameter	Units	50360301003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	4.3	10	13.8	95	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 765969
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3510144 Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/04/23 20:13	

LABORATORY CONTROL SAMPLE: 3510145

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: 3510146 3510147

Parameter	Units	50360386001 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	2.6	10	10	12.2	12.3	96	96	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510148 3510149

Parameter	Units	50360416003 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	2.3	10	10	11.8	11.9	94	95	80-120	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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-1D **Lab ID: 50360344001** Collected: 11/22/23 11:30 Received: 11/22/23 13:50 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	**0.416 ± 0.384 (0.559) C:NA T:91%**	pCi/L	12/19/23 12:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.04 ± 0.417 (0.604) C:91% T:84%**	pCi/L	12/13/23 14:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.46 ± 0.801 (1.16)**	pCi/L	12/19/23 15:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-1S **Lab ID: 50360344002** Collected: 11/22/23 10:00 Received: 11/22/23 13:50 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	**0.998 ± 0.486 (0.387) C:NA T:91%**	pCi/L	12/19/23 12:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.636 ± 0.365 (0.660) C:89% T:83%**	pCi/L	12/13/23 14:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.63 ± 0.851 (1.05)**	pCi/L	12/19/23 15:26	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Sample: MW-2D1 **Lab ID: 50360344003** Collected: 11/22/23 11:00 Received: 11/22/23 13:50 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	**5.18 ± 1.27 (0.930) C:NA T:89%**	pCi/L	12/19/23 12:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.08 ± 0.421 (0.633) C:90% T:81%**	pCi/L	12/13/23 14:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**6.26 ± 1.69 (1.56)**	pCi/L	12/19/23 15:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 633513
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: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3088468
Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.219 ± 0.229 (0.323) C:NA T:85%	pCi/L	12/19/23 12:31	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

QC Batch: 633515
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: 50360344001, 50360344002, 50360344003

METHOD BLANK: 3088473
Matrix: Water
Associated Lab Samples: 50360344001, 50360344002, 50360344003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.517 ± 0.300 (0.541) C:94% T:87%	pCi/L	12/13/23 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

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

QUALIFIERS

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360344001	**MW-1D**	EPA 9056	766572		
50360344002	**MW-1S**	EPA 9056	766572		
50360344003	**MW-2D1**	EPA 9056	766572		
50360344001	**MW-1D**	EPA 3010	764641	EPA 6010	766423
50360344002	**MW-1S**	EPA 3010	764641	EPA 6010	766423
50360344003	**MW-2D1**	EPA 3010	764641	EPA 6010	766423
50360344001	**MW-1D**	EPA 3010	765722	EPA 6010	766200
50360344002	**MW-1S**	EPA 3010	765722	EPA 6010	766200
50360344003	**MW-2D1**	EPA 3010	765722	EPA 6010	766200
50360344001	**MW-1D**	EPA 200.2	765677	EPA 6020	765904
50360344002	**MW-1S**	EPA 200.2	765677	EPA 6020	765904
50360344003	**MW-2D1**	EPA 200.2	765677	EPA 6020	765904
50360344001	**MW-1D**	EPA 903.1	633513		
50360344002	**MW-1S**	EPA 903.1	633513		
50360344003	**MW-2D1**	EPA 903.1	633513		
50360344001	**MW-1D**	EPA 904.0	633515		
50360344002	**MW-1S**	EPA 904.0	633515		
50360344003	**MW-2D1**	EPA 904.0	633515		
50360344001	**MW-1D**	Total Radium Calculation	637206		
50360344002	**MW-1S**	Total Radium Calculation	637206		
50360344003	**MW-2D1**	Total Radium Calculation	637206		
50360344001	**MW-1D**	SM 2320B	765452		
50360344002	**MW-1S**	SM 2320B	765170		
50360344003	**MW-2D1**	SM 2320B	765170		
50360344001	**MW-1D**	SM 2540C	764991		
50360344002	**MW-1S**	SM 2540C	764991		
50360344003	**MW-2D1**	SM 2540C	764991		
50360344001	**MW-1D**	SM 4500-H+B	766938		
50360344002	**MW-1S**	SM 4500-H+B	766938		
50360344003	**MW-2D1**	SM 4500-H+B	766938		
50360344001	**MW-1D**	SM 4500-S2-D	764696		
50360344002	**MW-1S**	SM 4500-S2-D	764696		
50360344003	**MW-2D1**	SM 4500-S2-D	764697		
50360344001	**MW-1D**	HACH 8146	765059		
50360344002	**MW-1S**	HACH 8146	765059		
50360344003	**MW-2D1**	HACH 8146	765059		
50360344001	**MW-1D**	EPA 353.2	764684		
50360344002	**MW-1S**	EPA 353.2	764684		
50360344003	**MW-2D1**	EPA 353.2	764684		
50360344001	**MW-1D**	EPA 365.1	766236	EPA 365.1	766446
50360344002	**MW-1S**	EPA 365.1	766236	EPA 365.1	766446

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R1
Pace Project No.: 50360344

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360344003	**MW-2D1**	EPA 365.1	766236	EPA 365.1	766446
50360344001	**MW-1D**	SM 5310C	765967		
50360344002	**MW-1S**	SM 5310C	765967		
50360344003	**MW-2D1**	SM 5310C	765967		
50360344001	**MW-1D**	SM 5310C	765969		
50360344002	**MW-1S**	SM 5310C	765969		
50360344003	**MW-2D1**	SM 5310C	765969		

WO#: 50360344

50360344

PI RI

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AES/IPL Petersburg	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
	Suite 100, Indianapolis, IN 46256			Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street Nov 2023	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	10498-48

Regulatory Agency	State / Location
	IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-1D	WT		11.22.23	1130				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		001
2	MW-1S	WT		11.22.23	1000				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		002
3	MW-2DI	WT		11.22	1100				11	3	3	4		1					X	X	X	X	X	X	X	X	X	X		003
4		WT																	X	X	X	X	X	X	X	X	X	X		
5		WT																	X	X	X	X	X	X	X	X	X	X		
6		WT																	X	X	X	X	X	X	X	X	X	X		
7		WT																	X	X	X	X	X	X	X	X	X	X		
8		WT																	X	X	X	X	X	X	X	X	X	X		
9		WT																	X	X	X	X	X	X	X	X	X	X		
10		WT																	X	X	X	X	X	X	X	X	X	X		
11		WT																	X	X	X	X	X	X	X	X	X	X		
12																			X	X	X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	MYRAH BERTRAM	11.22.23	1300	Keyon Lowhurd / ATLS	11.22.23	1300				
6020 - Be,Co, As, Se, Sb (5)	JOHN A. MAGNUSON	11.22	1300	Keyon Lowhurd / ATLS	11.22.23	1300				
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)	Keyon Lowhurd/ATLS	11.22.23			11/22/23	1350	0.6	Y	N	Y
3010 diss - Fe, Mn, Mo (3)							1.0			

SAMPLER NAME AND SIGNATURE				TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JOHN A. MAGNUSON JR	MYRAH BERTRAM	Keyon Lowhurd				
SIGNATURE of SAMPLER:		DATE Signed:	11.22.23				

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/22/23 1405 JJ

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

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

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E (F) G H

4. **Cooler Temperature(s):** 0.7 | 0.6 | 1.1 | 1.0 | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ 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:** Nitrates	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1520	✓	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 RED 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	1			2	2	1	1	1	1		1					W	✓	✓		✓
2												↓	↓			↓	↓	↓	↓	↓	↓		↓						✓	✓		✓
3												↓	↓			↓	↓	↓	↓	↓	↓		↓					↓	✓	✓		✓
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

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

RE: Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2023. 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,

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: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

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
Ohio VAP Certified Laboratory #: CL0065
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

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

SAMPLE SUMMARY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50360346001	**MW-18S**	Water	11/22/23 11:48	11/22/23 13:50
50360346002	**M-4**	Water	11/22/23 11:35	11/22/23 13:50
50360346003	**Field Blank-3**	Water	11/22/23 12:30	11/22/23 13:50

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50360346001	**MW-18S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360346002	**M-4**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360346003	**Field Blank-3**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	STS	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I

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

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360346001	**MW-18S**					
EPA 9056	Chloride	117	mg/L	2.5	12/08/23 20:18	
EPA 9056	Fluoride	0.18	mg/L	0.10	12/08/23 19:59	
EPA 9056	Sulfate	68.5	mg/L	2.5	12/08/23 20:18	
EPA 6010	Barium	249	ug/L	10.0	12/05/23 22:13	
EPA 6010	Boron	219	ug/L	100	12/05/23 22:13	
EPA 6010	Calcium	89200	ug/L	1000	12/05/23 22:13	
EPA 6010	Iron	2360	ug/L	100	12/05/23 22:13	
EPA 6010	Magnesium	27100	ug/L	1000	12/05/23 22:13	
EPA 6010	Manganese	246	ug/L	10.0	12/05/23 22:13	
EPA 6010	Potassium	7140	ug/L	1000	12/05/23 22:13	
EPA 6010	Silica	10300	ug/L	450	12/05/23 22:13	N2
EPA 6010	Sodium	78100	ug/L	1000	12/05/23 22:13	
EPA 6010	Iron, Dissolved	2240	ug/L	100	12/04/23 22:28	
EPA 6010	Manganese, Dissolved	239	ug/L	10.0	12/04/23 22:28	
EPA 6020	Arsenic	1.8	ug/L	1.0	12/04/23 07:28	
EPA 903.1	Radium-226	1.94 ± 0.759 (0.685) C:NA T:93%	pCi/L		12/19/23 12:31	
EPA 904.0	Radium-228	1.15 ± 0.443 (0.665) C:91% T:79%	pCi/L		12/13/23 14:13	
Total Radium Calculation	Total Radium	3.09 ± 1.20 (1.35)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	269	mg/L	10.0	11/28/23 21:22	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	269	mg/L	10.0	11/28/23 21:22	
SM 2540C	Total Dissolved Solids	526	mg/L	10.0	11/28/23 13:25	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	12/08/23 13:06	H3
SM 5310C	Total Organic Carbon	2.7	mg/L	1.0	12/05/23 15:02	
SM 5310C	Dissolved Organic Carbon	4.7	mg/L	1.0	12/04/23 23:15	
50360346002	**M-4**					
EPA 9056	Chloride	105	mg/L	2.5	12/08/23 20:56	
EPA 9056	Fluoride	0.22	mg/L	0.10	12/08/23 20:37	
EPA 9056	Sulfate	622	mg/L	25.0	12/08/23 21:16	
EPA 6010	Barium	140	ug/L	10.0	12/05/23 22:17	
EPA 6010	Boron	21200	ug/L	100	12/05/23 22:17	
EPA 6010	Calcium	313000	ug/L	2000	12/05/23 22:35	
EPA 6010	Iron	6430	ug/L	100	12/05/23 22:17	
EPA 6010	Lithium	231	ug/L	20.0	12/05/23 22:17	
EPA 6010	Magnesium	45600	ug/L	1000	12/05/23 22:17	
EPA 6010	Manganese	818	ug/L	10.0	12/05/23 22:17	
EPA 6010	Molybdenum	255	ug/L	10.0	12/05/23 22:17	
EPA 6010	Potassium	23400	ug/L	1000	12/05/23 22:17	
EPA 6010	Silica	14200	ug/L	450	12/05/23 22:17	N2
EPA 6010	Sodium	107000	ug/L	1000	12/05/23 22:17	
EPA 6010	Iron, Dissolved	5400	ug/L	100	12/04/23 22:29	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360346002	**M-4**					
EPA 6010	Manganese, Dissolved	793	ug/L	10.0	12/04/23 22:29	
EPA 6010	Molybdenum, Dissolved	240	ug/L	10.0	12/04/23 22:29	
EPA 6020	Arsenic	816	ug/L	10.0	12/06/23 02:40	
EPA 903.1	Radium-226	0.577 ± 0.539 (0.833) C:NA T:93%	pCi/L		12/19/23 12:31	
EPA 904.0	Radium-228	0.987 ± 0.422 (0.673) C:86% T:80%	pCi/L		12/13/23 14:13	
Total Radium Calculation	Total Radium	1.56 ± 0.961 (1.51)	pCi/L		12/19/23 15:26	
SM 2320B	Alkalinity, Total as CaCO3	370	mg/L	10.0	11/28/23 21:22	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	370	mg/L	10.0	11/28/23 21:22	
SM 2540C	Total Dissolved Solids	1630	mg/L	20.0	11/28/23 13:25	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	12/08/23 13:06	H3
SM 4500-S2-D	Sulfide	0.14	mg/L	0.10	11/23/23 17:31	
HACH 8146	Iron, Ferrous	0.68	mg/L	0.20	11/28/23 14:59	H3,N2
EPA 365.1	Phosphate as P04	2.3	mg/L	0.15	12/06/23 07:33	
SM 5310C	Total Organic Carbon	3.7	mg/L	1.0	12/05/23 15:13	
SM 5310C	Dissolved Organic Carbon	3.8	mg/L	1.0	12/04/23 23:26	
50360346003	**Field Blank-3**					
EPA 903.1	Radium-226	0.0565 ± 0.258 (0.525) C:NA T:87%	pCi/L		12/19/23 12:55	
EPA 904.0	Radium-228	0.0582 ± 0.233 (0.535) C:90% T:88%	pCi/L		12/13/23 14:13	
Total Radium Calculation	Total Radium	0.115 ± 0.491 (1.06)	pCi/L		12/19/23 15:26	
SM 2540C	Total Dissolved Solids	11	mg/L	10.0	11/28/23 13:25	PL
SM 4500-H+B	pH at 25 Degrees C	8.2	Std. Units	0.10	12/08/23 13:07	H3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: MW-18S **Lab ID: 50360346001** Collected: 11/22/23 11:48 Received: 11/22/23 13:50 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	**117**	mg/L	2.5	0.67	10		12/08/23 20:18	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.017	1		12/08/23 19:59	16984-48-8	
Sulfate	**68.5**	mg/L	2.5	1.9	10		12/08/23 20:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 22:13	7429-90-5	
Barium	**249**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 22:13	7440-39-3	
Boron	**219**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 22:13	7440-42-8	
Calcium	**89200**	ug/L	1000	67.7	1	11/28/23 21:33	12/05/23 22:13	7440-70-2	
Iron	**2360**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 22:13	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 22:13	7439-93-2	
Magnesium	**27100**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 22:13	7439-95-4	
Manganese	**246**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 22:13	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 22:13	7439-98-7	
Potassium	**7140**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 22:13	7440-09-7	
Silica	**10300**	ug/L	450		1	11/28/23 21:33	12/05/23 22:13	7631-86-9	N2
Sodium	**78100**	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 22:13	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2240**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 22:28	7439-89-6	
Manganese, Dissolved	**239**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 22:28	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 22:28	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	0.080	1	12/01/23 06:20	12/04/23 07:28	7440-36-0	
Arsenic	**1.8**	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 07:28	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 07:28	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 07:28	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 07:28	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**269**	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Bicarbonate (CaCO3)	**269**	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 21:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**526**	mg/L	10.0	10.0	1		11/28/23 13:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: MW-18S **Lab ID: 50360346001** Collected: 11/22/23 11:48 Received: 11/22/23 13:50 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	**7.3**	Std. Units	0.10	0.10	1		12/08/23 13:06		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:31	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 14:59	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/23/23 01:30	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/23/23 01:30	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	12/05/23 11:30	12/06/23 07:33		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.7**	mg/L	1.0	0.24	1		12/05/23 15:02	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.7**	mg/L	1.0	0.24	1		12/04/23 23:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: M-4 **Lab ID: 50360346002** Collected: 11/22/23 11:35 Received: 11/22/23 13:50 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	**105**	mg/L	2.5	0.67	10		12/08/23 20:56	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.017	1		12/08/23 20:37	16984-48-8	
Sulfate	**622**	mg/L	25.0	19.0	100		12/08/23 21:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 22:17	7429-90-5	
Barium	**140**	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 22:17	7440-39-3	
Boron	**21200**	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 22:17	7440-42-8	
Calcium	**313000**	ug/L	2000	135	2	11/28/23 21:33	12/05/23 22:35	7440-70-2	
Iron	**6430**	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 22:17	7439-89-6	
Lithium	**231**	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 22:17	7439-93-2	
Magnesium	**45600**	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 22:17	7439-95-4	
Manganese	**818**	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 22:17	7439-96-5	
Molybdenum	**255**	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 22:17	7439-98-7	
Potassium	**23400**	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 22:17	7440-09-7	
Silica	**14200**	ug/L	450		1	11/28/23 21:33	12/05/23 22:17	7631-86-9	N2
Sodium	**107000**	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 22:17	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**5400**	ug/L	100	30.0	1	12/04/23 07:59	12/04/23 22:29	7439-89-6	
Manganese, Dissolved	**793**	ug/L	10.0	1.8	1	12/04/23 07:59	12/04/23 22:29	7439-96-5	
Molybdenum, Dissolved	**240**	ug/L	10.0	0.78	1	12/04/23 07:59	12/04/23 22:29	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	0.080	1	12/01/23 06:20	12/04/23 07:32	7440-36-0	
Arsenic	**816**	ug/L	10.0	1.2	10	12/01/23 06:20	12/06/23 02:40	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 07:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 07:32	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 07:32	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**370**	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Bicarbonate (CaCO3)	**370**	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 21:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**1630**	mg/L	20.0	20.0	1		11/28/23 13:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: M-4 **Lab ID: 50360346002** Collected: 11/22/23 11:35 Received: 11/22/23 13:50 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	**7.1**	Std. Units	0.10	0.10	1		12/08/23 13:06		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	**0.14**	mg/L	0.10	0.025	1		11/23/23 17:31	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**0.68**	mg/L	0.20	0.035	1		11/28/23 14:59	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/23/23 01:28	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/23/23 01:28	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**2.3**	mg/L	0.15	0.15	1	12/05/23 11:30	12/06/23 07:33		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.7**	mg/L	1.0	0.24	1		12/05/23 15:13	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.8**	mg/L	1.0	0.24	1		12/04/23 23:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: Field Blank-3 **Lab ID: 50360346003** Collected: 11/22/23 12:30 Received: 11/22/23 13:50 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	ND	mg/L	0.25	0.067	1		12/08/23 21:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		12/08/23 21:35	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		12/08/23 21:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	11/28/23 21:33	12/05/23 22:00	7429-90-5	
Barium	ND	ug/L	10.0	0.45	1	11/28/23 21:33	12/05/23 22:00	7440-39-3	
Boron	ND	ug/L	100	6.2	1	11/28/23 21:33	12/05/23 22:00	7440-42-8	
Calcium	ND	ug/L	1000	67.7	1	11/28/23 21:33	12/05/23 22:00	7440-70-2	
Iron	ND	ug/L	100	30.0	1	11/28/23 21:33	12/05/23 22:00	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	11/28/23 21:33	12/05/23 22:00	7439-93-2	
Magnesium	ND	ug/L	1000	33.6	1	11/28/23 21:33	12/05/23 22:00	7439-95-4	
Manganese	ND	ug/L	10.0	1.8	1	11/28/23 21:33	12/05/23 22:00	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	11/28/23 21:33	12/05/23 22:00	7439-98-7	
Potassium	ND	ug/L	1000	97.8	1	11/28/23 21:33	12/05/23 22:00	7440-09-7	
Silica	ND	ug/L	450		1	11/28/23 21:33	12/05/23 22:00	7631-86-9	N2
Sodium	ND	ug/L	1000	54.8	1	11/28/23 21:33	12/05/23 22:00	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	0.080	1	12/01/23 06:20	12/04/23 07:35	7440-36-0	
Arsenic	ND	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 07:35	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 07:35	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 07:35	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 07:35	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		11/28/23 21:22		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 21:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/28/23 21:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**11**	mg/L	10.0	10.0	1		11/28/23 13:25		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**8.2**	Std. Units	0.10	0.10	1		12/08/23 13:07		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/23/23 17:31	18496-25-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: Field Blank-3 **Lab ID: 50360346003** Collected: 11/22/23 12:30 Received: 11/22/23 13:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		11/28/23 15:00	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/23/23 01:36	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/23/23 01:36	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	12/06/23 09:30	12/07/23 15:34		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	ND	mg/L	1.0	0.24	1		12/05/23 15:23	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 766572
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3512196 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/08/23 02:19	
Fluoride	mg/L	ND	0.10	0.017	12/08/23 02:19	
Sulfate	mg/L	ND	0.25	0.19	12/08/23 02:19	

LABORATORY CONTROL SAMPLE: 3512197

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	0.97	97	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512198 3512199

Parameter	Units	50360237001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	47.2	25	25	69.5	69.3	89	89	80-120	0	15	
Fluoride	mg/L	3.4	1	1	4.3	4.3	95	94	80-120	0	15	
Sulfate	mg/L	11.4	5	5	16.0	16.0	92	92	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512200 3512201

Parameter	Units	50361001003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.2	2.5	2.5	24.3	24.3	81	82	80-120	0	15	
Fluoride	mg/L	0.36	1	1	1.3	1.3	98	98	80-120	0	15	
Sulfate	mg/L	34.7	5	5	39.2	39.3	90	92	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 764641
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3504875 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	12/05/23 21:42	
Barium	ug/L	ND	10.0	0.45	12/05/23 21:42	
Boron	ug/L	ND	100	6.2	12/05/23 21:42	
Calcium	ug/L	ND	1000	67.7	12/05/23 21:42	
Iron	ug/L	ND	100	30.0	12/05/23 21:42	
Lithium	ug/L	ND	20.0	6.8	12/05/23 21:42	
Magnesium	ug/L	ND	1000	33.6	12/05/23 21:42	
Manganese	ug/L	ND	10.0	1.8	12/05/23 21:42	
Molybdenum	ug/L	ND	10.0	0.78	12/05/23 21:42	
Potassium	ug/L	ND	1000	97.8	12/05/23 21:42	
Silica	ug/L	ND	450		12/05/23 21:42	N2
Sodium	ug/L	ND	1000	54.8	12/05/23 21:42	

LABORATORY CONTROL SAMPLE: 3504876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10200	102	80-120	
Barium	ug/L	1000	993	99	80-120	
Boron	ug/L	1000	978	98	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Iron	ug/L	10000	9980	100	80-120	
Lithium	ug/L	1000	1020	102	80-120	
Magnesium	ug/L	10000	9810	98	80-120	
Manganese	ug/L	1000	954	95	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	9990	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504877 3504878

Parameter	Units	50360217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10300	10000	103	100	75-125	3	20	
Barium	ug/L	38.5	1000	1000	1030	992	99	95	75-125	4	20	
Boron	ug/L	1710	1000	1000	2810	2700	110	100	75-125	4	20	
Calcium	ug/L	226000	10000	10000	235000	229000	86	28	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504877 3504878

Parameter	Units	50360217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	2340	10000	10000	12400	12000	100	96	75-125	3	20	
Lithium	ug/L	55.6	1000	1000	1080	1040	103	98	75-125	4	20	
Magnesium	ug/L	70800	10000	10000	82400	79500	116	87	75-125	4	20	
Manganese	ug/L	399	1000	1000	1350	1300	95	90	75-125	3	20	
Molybdenum	ug/L	103	1000	1000	1150	1100	104	100	75-125	4	20	
Potassium	ug/L	10600	10000	10000	21500	20700	108	101	75-125	3	20	
Silica	ug/L	15400	10700	10700	27100	26100	110	100	75-125	4	20	N2
Sodium	ug/L	219000	10000	10000	230000	223000	108	38	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 765722
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002

METHOD BLANK: 3509000 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	12/04/23 21:48	
Manganese, Dissolved	ug/L	ND	10.0	1.8	12/04/23 21:48	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	12/04/23 21:48	

LABORATORY CONTROL SAMPLE: 3509001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9520	95	80-120	
Manganese, Dissolved	ug/L	1000	909	91	80-120	
Molybdenum, Dissolved	ug/L	1000	979	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509004 3509005

Parameter	Units	50360237001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	ND	10000	10000	9800	9930	98	99	75-125	1	20	
Manganese, Dissolved	ug/L	11.8	1000	1000	936	947	92	94	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1000	1010	100	101	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 765677
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3508713 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.080	12/04/23 06:47	
Arsenic	ug/L	ND	1.0	0.12	12/04/23 06:47	
Beryllium	ug/L	ND	0.20	0.026	12/04/23 06:47	
Cobalt	ug/L	ND	1.0	0.071	12/04/23 06:47	
Selenium	ug/L	ND	1.0	0.19	12/04/23 06:47	

LABORATORY CONTROL SAMPLE: 3508714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.8	102	80-120	
Arsenic	ug/L	40	37.9	95	80-120	
Beryllium	ug/L	40	38.3	96	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	38.9	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3508715 3508716

Parameter	Units	50360386001 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	41.9	41.8	105	104	75-125	0	20	
Arsenic	ug/L	ND	40	40	39.5	38.8	96	95	75-125	2	20	
Beryllium	ug/L	ND	40	40	29.7	29.3	74	73	75-125	1	20	M3
Cobalt	ug/L	2.0	40	40	39.8	40.2	95	95	75-125	1	20	
Selenium	ug/L	ND	40	40	40.3	39.5	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

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

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 765170
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3506781 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/28/23 21:22	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/28/23 21:22	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/28/23 21:22	

LABORATORY CONTROL SAMPLE: 3506782

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: 3506783

Parameter	Units	50360301002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	241	245	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	219	222	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	22.0	22.8	4	20	

SAMPLE DUPLICATE: 3506784

Parameter	Units	50360386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	289	298	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	289	298	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 764991
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3505919 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/28/23 13:17	

LABORATORY CONTROL SAMPLE: 3505918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	274	91	80-120	

SAMPLE DUPLICATE: 3505920

Parameter	Units	50360341007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3690	3610	2	10	

SAMPLE DUPLICATE: 3505921

Parameter	Units	50360386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1350	1320	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 766938
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: 50360346001, 50360346002, 50360346003

SAMPLE DUPLICATE: 3514249

Parameter	Units	50360305001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	2	H3

SAMPLE DUPLICATE: 3514250

Parameter	Units	50360386001 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 764697
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3505139 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/23/23 17:31	

LABORATORY CONTROL SAMPLE: 3505140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505141 3505142

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.26	0.5	0.5	0.47	0.47	40	41	90-110	0	20	M3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 765059
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3506117 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/28/23 14:56	H3,N2

LABORATORY CONTROL SAMPLE: 3506118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	101	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506119 3506120

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.2	5	5	6.2	6.1	100	98	90-110	2	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506121 3506122

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.7	5	5	6.6	6.7	97	99	90-110	1	20	H3,N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 764684
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: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3505105 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/23/23 01:13	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/23/23 01:13	

LABORATORY CONTROL SAMPLE: 3505106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505107 3505108

Parameter	Units	50360386001 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	0.74	0.74	74	74	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	0.99	1.0	97	98	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 766236
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002

METHOD BLANK: 3510928 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/06/23 07:24	

LABORATORY CONTROL SAMPLE: 3510929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510930 3510931

Parameter	Units	50360344001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	0.53			2.3	2.1				7		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 766451
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346003

METHOD BLANK: 3511720 Matrix: Water
Associated Lab Samples: 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/07/23 15:32	

LABORATORY CONTROL SAMPLE: 3511721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.5			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3511722 3511723

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	1.6			3.3	3.2				1		

MATRIX SPIKE SAMPLE: 3511724

Parameter	Units	50360416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	0.97		2.4			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 766137
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3510585 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/05/23 14:42	

LABORATORY CONTROL SAMPLE: 3510586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510587 3510588

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.6	10	10	12.3	12.4	97	98	80-120	1	20	

MATRIX SPIKE SAMPLE: 3510589

Parameter	Units	50360416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	6.2	10	14.8	86	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 765969
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360346001, 50360346002

METHOD BLANK: 3510144 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/04/23 20:13	

LABORATORY CONTROL SAMPLE: 3510145

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: 3510146 3510147

Parameter	Units	50360386001 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	2.6	10	10	12.2	12.3	96	96	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510148 3510149

Parameter	Units	50360416003 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	2.3	10	10	11.8	11.9	94	95	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: MW-18S **Lab ID: 50360346001** Collected: 11/22/23 11:48 Received: 11/22/23 13:50 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	**1.94 ± 0.759 (0.685) C:NA T:93%**	pCi/L	12/19/23 12:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.15 ± 0.443 (0.665) C:91% T:79%**	pCi/L	12/13/23 14:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.09 ± 1.20 (1.35)**	pCi/L	12/19/23 15:26	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: M-4 **Lab ID: 50360346002** Collected: 11/22/23 11:35 Received: 11/22/23 13:50 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	**0.577 ± 0.539 (0.833) C:NA T:93%**	pCi/L	12/19/23 12:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.987 ± 0.422 (0.673) C:86% T:80%**	pCi/L	12/13/23 14:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.56 ± 0.961 (1.51)**	pCi/L	12/19/23 15:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Sample: Field Blank-3 **Lab ID: 50360346003** Collected: 11/22/23 12:30 Received: 11/22/23 13:50 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	**0.0565 ± 0.258 (0.525) C:NA T:87%**	pCi/L	12/19/23 12:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.0582 ± 0.233 (0.535) C:90% T:88%**	pCi/L	12/13/23 14:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.115 ± 0.491 (1.06)**	pCi/L	12/19/23 15:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 633513
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: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3088468 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.219 ± 0.229 (0.323) C:NA T:85%	pCi/L	12/19/23 12:31	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

QC Batch: 633515
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: 50360346001, 50360346002, 50360346003

METHOD BLANK: 3088473 Matrix: Water
Associated Lab Samples: 50360346001, 50360346002, 50360346003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.517 ± 0.300 (0.541) C:94% T:87%	pCi/L	12/13/23 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360346001	**MW-18S**	EPA 9056	766572		
50360346002	**M-4**	EPA 9056	766572		
50360346003	**Field Blank-3**	EPA 9056	766572		
50360346001	**MW-18S**	EPA 3010	764641	EPA 6010	766423
50360346002	**M-4**	EPA 3010	764641	EPA 6010	766423
50360346003	**Field Blank-3**	EPA 3010	764641	EPA 6010	766423
50360346001	**MW-18S**	EPA 3010	765722	EPA 6010	766200
50360346002	**M-4**	EPA 3010	765722	EPA 6010	766200
50360346001	**MW-18S**	EPA 200.2	765677	EPA 6020	765904
50360346002	**M-4**	EPA 200.2	765677	EPA 6020	765904
50360346003	**Field Blank-3**	EPA 200.2	765677	EPA 6020	765904
50360346001	**MW-18S**	EPA 903.1	633513		
50360346002	**M-4**	EPA 903.1	633513		
50360346003	**Field Blank-3**	EPA 903.1	633513		
50360346001	**MW-18S**	EPA 904.0	633515		
50360346002	**M-4**	EPA 904.0	633515		
50360346003	**Field Blank-3**	EPA 904.0	633515		
50360346001	**MW-18S**	Total Radium Calculation	637206		
50360346002	**M-4**	Total Radium Calculation	637206		
50360346003	**Field Blank-3**	Total Radium Calculation	637206		
50360346001	**MW-18S**	SM 2320B	765170		
50360346002	**M-4**	SM 2320B	765170		
50360346003	**Field Blank-3**	SM 2320B	765170		
50360346001	**MW-18S**	SM 2540C	764991		
50360346002	**M-4**	SM 2540C	764991		
50360346003	**Field Blank-3**	SM 2540C	764991		
50360346001	**MW-18S**	SM 4500-H+B	766938		
50360346002	**M-4**	SM 4500-H+B	766938		
50360346003	**Field Blank-3**	SM 4500-H+B	766938		
50360346001	**MW-18S**	SM 4500-S2-D	764697		
50360346002	**M-4**	SM 4500-S2-D	764697		
50360346003	**Field Blank-3**	SM 4500-S2-D	764697		
50360346001	**MW-18S**	HACH 8146	765059		
50360346002	**M-4**	HACH 8146	765059		
50360346003	**Field Blank-3**	HACH 8146	765059		
50360346001	**MW-18S**	EPA 353.2	764684		
50360346002	**M-4**	EPA 353.2	764684		
50360346003	**Field Blank-3**	EPA 353.2	764684		
50360346001	**MW-18S**	EPA 365.1	766236	EPA 365.1	766446
50360346002	**M-4**	EPA 365.1	766236	EPA 365.1	766446
50360346003	**Field Blank-3**	EPA 365.1	766451	EPA 365.1	766899

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023 P1R3
Pace Project No.: 50360346

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360346001	**MW-18S**	SM 5310C	766137		
50360346002	**M-4**	SM 5310C	766137		
50360346003	**Field Blank-3**	SM 5310C	766137		
50360346001	**MW-18S**	SM 5310C	765969		
50360346002	**M-4**	SM 5310C	765969		

WO# : 50360346

50360346

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

...ent and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AES/IPL Petersburg	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
	Suite 100, Indianapolis, IN 46256			Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street Nov 2023	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	10498-48

Regulatory Agency
State / Location
IN

P1R3

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
Requested Analysis Filtered (Y/N)																													
1	MW-18S	WT		11-22	11:40				11	3	3	4		1				X	X	X	X	X	X	X	X	X	X		001
2	M-4	WT		11-22	11:35				11	3	3	4		1				X	X	X	X	X	X	X	X	X	X		002
3	Field Blank-3	WT		11-22	1230				9	3	2	3		1				X	X	X	X	X	X	X	X	X	X		003
4		WT																X	X	X	X	X	X	X	X	X	X		
5		WT																X	X	X	X	X	X	X	X	X	X		
6		WT																X	X	X	X	X	X	X	X	X	X		
7		WT																X	X	X	X	X	X	X	X	X	X		
8		WT																X	X	X	X	X	X	X	X	X	X		
9		WT																X	X	X	X	X	X	X	X	X	X		
10		WT																X	X	X	X	X	X	X	X	X	X		
11		WT																X	X	X	X	X	X	X	X	X	X		
12																		X	X	X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	(FB-3, M-4)	11-22	1245	Keegan Lambert	11.22.23	1300				
6020 - Be,Co, As, Se, Sb (5)	(MW-18S)	11-22	1350		11/22/23	1350	1.1	Y	N	Y
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)							0.7			
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	P. Grace Happer	DATE Signed:	Keegan Lambert 11.22.23
SIGNATURE of SAMPLER:			

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/22/23 1405 JA

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H

4. **Cooler Temperature(s):** 1.2/1.1 | 0.8/0.7 | | | **(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

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:	
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)			✓
Headspace Wisconsin Sulfide?			✓
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 **of** 1

Sample Container Count

** Place a RED 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	1			2	2		1	1	1		1				WT	✓	✓		✓
2												↓				↓	↓	↓	↓		↓		↓				↓	✓	✓		✓
3												↓				↓	↓	↓	↓		↓		↓				↓	✓	✓		✓
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 24, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street Nov 2023
Pace Project No.: 50360416

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2023. 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,

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: Harding Street Nov 2023
Pace Project No.: 50360416

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50360416001	**MW-2S**	Water	11/27/23 12:25	11/27/23 15:00
50360416002	**MW-2D**	Water	11/27/23 13:50	11/27/23 15:00
50360416003	**MW-3D**	Water	11/27/23 12:15	11/27/23 15:00
50360416004	**MW-3D MS**	Water	11/27/23 12:15	11/27/23 15:00
50360416005	**MW-3D MSD**	Water	11/27/23 12:15	11/27/23 15:00

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50360416001	**MW-2S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	MAR1	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	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360416002	**MW-2D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	MAR1	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	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360416003	**MW-3D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	MAR1	1	PASI-PA

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	IRH	1	PASI-I
		SM 4500-H+B	RJP	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360416004	**MW-3D MS**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50360416005	**MW-3D MSD**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360416001	**MW-2S**					
EPA 9056	Chloride	989	mg/L	25.0	12/07/23 19:42	
EPA 9056	Fluoride	0.23	mg/L	0.10	12/07/23 19:05	
EPA 9056	Sulfate	1210	mg/L	25.0	12/07/23 19:42	
EPA 6010	Barium	121	ug/L	10.0	12/07/23 01:22	
EPA 6010	Boron	1030	ug/L	100	12/07/23 01:22	
EPA 6010	Calcium	328000	ug/L	5000	12/07/23 01:20	
EPA 6010	Iron	4830	ug/L	100	12/07/23 01:22	
EPA 6010	Lithium	32.3	ug/L	20.0	12/07/23 01:22	
EPA 6010	Magnesium	93800	ug/L	1000	12/07/23 01:22	
EPA 6010	Manganese	1150	ug/L	10.0	12/07/23 01:22	
EPA 6010	Molybdenum	27.5	ug/L	10.0	12/07/23 01:22	
EPA 6010	Potassium	18500	ug/L	1000	12/07/23 01:22	
EPA 6010	Silica	13300	ug/L	450	12/07/23 01:22	N2
EPA 6010	Sodium	769000	ug/L	5000	12/07/23 01:20	
EPA 6010	Iron, Dissolved	4750	ug/L	100	12/06/23 23:39	
EPA 6010	Manganese, Dissolved	1160	ug/L	10.0	12/06/23 23:39	
EPA 6010	Molybdenum, Dissolved	27.9	ug/L	10.0	12/06/23 23:39	
EPA 6020	Arsenic	12.7	ug/L	1.0	12/04/23 02:07	
EPA 6020	Cobalt	1.1	ug/L	1.0	12/04/23 02:07	
EPA 903.1	Radium-226	1.34 ± 0.904 (1.33) C:NA T:87%	pCi/L		12/20/23 13:13	
EPA 904.0	Radium-228	1.13 ± 0.473 (0.775) C:84% T:83%	pCi/L		12/15/23 11:51	
Total Radium Calculation	Total Radium	2.47 ± 1.38 (2.11)	pCi/L		12/20/23 16:57	
SM 2320B	Alkalinity, Total as CaCO3	266	mg/L	10.0	11/29/23 21:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	266	mg/L	10.0	11/29/23 21:46	
SM 2540C	Total Dissolved Solids	3250	mg/L	40.0	11/29/23 10:09	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	12/09/23 14:19	H3
HACH 8146	Iron, Ferrous	1.0	mg/L	0.50	11/28/23 15:01	H3,N2
EPA 353.2	Nitrogen, Nitrate	0.42	mg/L	0.10	11/28/23 00:27	
EPA 365.1	Phosphate as P04	0.97	mg/L	0.15	12/07/23 15:43	
SM 5310C	Total Organic Carbon	6.2	mg/L	4.0	12/06/23 11:13	
SM 5310C	Dissolved Organic Carbon	6.4	mg/L	4.0	12/05/23 09:31	
50360416002	**MW-2D**					
EPA 9056	Chloride	1220	mg/L	25.0	12/07/23 23:40	
EPA 9056	Fluoride	0.68	mg/L	0.10	12/07/23 23:04	
EPA 9056	Sulfate	1540	mg/L	25.0	12/07/23 23:40	
EPA 6010	Barium	51.2	ug/L	10.0	12/07/23 01:24	
EPA 6010	Boron	1080	ug/L	100	12/07/23 01:24	
EPA 6010	Calcium	394000	ug/L	5000	12/07/23 01:21	
EPA 6010	Iron	4760	ug/L	100	12/07/23 01:24	
EPA 6010	Lithium	45.2	ug/L	20.0	12/07/23 01:24	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360416002	**MW-2D**					
EPA 6010	Magnesium	107000	ug/L	1000	12/07/23 01:24	
EPA 6010	Manganese	1100	ug/L	10.0	12/07/23 01:24	
EPA 6010	Molybdenum	68.1	ug/L	10.0	12/07/23 01:24	
EPA 6010	Potassium	19800	ug/L	1000	12/07/23 01:24	
EPA 6010	Silica	16400	ug/L	450	12/07/23 01:24	N2
EPA 6010	Sodium	891000	ug/L	5000	12/07/23 01:21	
EPA 6010	Iron, Dissolved	4690	ug/L	100	12/06/23 23:40	
EPA 6010	Manganese, Dissolved	1110	ug/L	10.0	12/06/23 23:40	
EPA 6010	Molybdenum, Dissolved	68.9	ug/L	10.0	12/06/23 23:40	
EPA 6020	Arsenic	6.5	ug/L	1.0	12/04/23 02:10	
EPA 6020	Cobalt	1.2	ug/L	1.0	12/04/23 02:10	
EPA 903.1	Radium-226	0.534 ± 0.651 (1.08) C:NA T:95%	pCi/L		12/20/23 13:26	
EPA 904.0	Radium-228	0.994 ± 0.488 (0.872) C:82% T:84%	pCi/L		12/15/23 11:51	
Total Radium Calculation	Total Radium	1.53 ± 1.14 (1.95)	pCi/L		12/20/23 16:57	
SM 2320B	Alkalinity, Total as CaCO3	253	mg/L	10.0	11/29/23 21:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	253	mg/L	10.0	11/29/23 21:46	
SM 2540C	Total Dissolved Solids	4240	mg/L	40.0	11/29/23 10:10	
SM 4500-H+B	pH at 25 Degrees C	6.6	Std. Units	0.10	12/09/23 14:26	H3
HACH 8146	Iron, Ferrous	2.7	mg/L	0.50	11/28/23 15:01	H3,N2
EPA 365.1	Phosphate as P04	0.17	mg/L	0.15	12/07/23 15:44	
SM 5310C	Total Organic Carbon	7.5	mg/L	4.0	12/06/23 11:25	
SM 5310C	Dissolved Organic Carbon	7.0	mg/L	4.0	12/05/23 09:43	
50360416003	**MW-3D**					
EPA 9056	Chloride	122	mg/L	2.5	12/08/23 01:12	
EPA 9056	Fluoride	0.16	mg/L	0.10	12/08/23 00:54	
EPA 9056	Sulfate	185	mg/L	2.5	12/08/23 01:12	
EPA 6010	Barium	106	ug/L	10.0	12/07/23 01:25	
EPA 6010	Boron	794	ug/L	100	12/07/23 01:25	
EPA 6010	Calcium	129000	ug/L	1000	12/07/23 01:25	
EPA 6010	Iron	1950	ug/L	100	12/07/23 01:25	
EPA 6010	Magnesium	30100	ug/L	1000	12/07/23 01:25	
EPA 6010	Manganese	290	ug/L	10.0	12/07/23 01:25	
EPA 6010	Potassium	3630	ug/L	1000	12/07/23 01:25	
EPA 6010	Silica	11200	ug/L	450	12/07/23 01:25	N2
EPA 6010	Sodium	83500	ug/L	1000	12/07/23 01:25	
EPA 6010	Iron, Dissolved	1950	ug/L	100	12/06/23 23:49	
EPA 6010	Manganese, Dissolved	296	ug/L	10.0	12/06/23 23:49	
EPA 6020	Arsenic	3.3	ug/L	1.0	12/04/23 02:14	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360416003	**MW-3D**					
EPA 903.1	Radium-226	0.692 ± 0.459 (0.604) C:NA T:82%	pCi/L		12/20/23 13:26	
EPA 904.0	Radium-228	0.474 ± 0.366 (0.725) C:83% T:82%	pCi/L		12/15/23 11:51	
Total Radium Calculation	Total Radium	1.17 ± 0.825 (1.33)	pCi/L		12/20/23 16:57	
SM 2320B	Alkalinity, Total as CaCO3	263	mg/L	10.0	11/29/23 21:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	10.0	11/29/23 21:46	
SM 2540C	Total Dissolved Solids	680	mg/L	10.0	11/29/23 10:10	
SM 4500-H+B	pH at 25 Degrees C	6.7	Std. Units	0.10	12/09/23 14:17	H3
HACH 8146	Iron, Ferrous	1.7	mg/L	0.20	11/28/23 15:00	H3,N2
SM 5310C	Total Organic Carbon	2.5	mg/L	1.0	12/05/23 20:43	
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	12/05/23 01:06	
50360416004	**MW-3D MS**					
EPA 903.1	Radium-226	80.49 %REC ± NA (NA) C:NA T:NA	pCi/L		12/20/23 13:26	
EPA 904.0	Radium-228	81.25 %REC ± NA (NA) C:NA T:NA	pCi/L		12/15/23 11:51	
50360416005	**MW-3D MSD**					
EPA 903.1	Radium-226	102.71 %REC 24.26RPD ± NA (NA) C:NA T:NA	pCi/L		12/20/23 13:26	
EPA 904.0	Radium-228	84.64 %REC 4.08RPD ± NA (NA) C:NA T:NA	pCi/L		12/15/23 11:51	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-2S **Lab ID: 50360416001** Collected: 11/27/23 12:25 Received: 11/27/23 15:00 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	**989**	mg/L	25.0	6.7	100		12/07/23 19:42	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.017	1		12/07/23 19:05	16984-48-8	
Sulfate	**1210**	mg/L	25.0	19.0	100		12/07/23 19:42	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	12/04/23 16:30	12/07/23 01:22	7429-90-5	
Barium	**121**	ug/L	10.0	0.45	1	12/04/23 16:30	12/07/23 01:22	7440-39-3	
Boron	**1030**	ug/L	100	6.2	1	12/04/23 16:30	12/07/23 01:22	7440-42-8	
Calcium	**328000**	ug/L	5000	338	5	12/04/23 16:30	12/07/23 01:20	7440-70-2	
Iron	**4830**	ug/L	100	30.0	1	12/04/23 16:30	12/07/23 01:22	7439-89-6	
Lithium	**32.3**	ug/L	20.0	6.8	1	12/04/23 16:30	12/07/23 01:22	7439-93-2	
Magnesium	**93800**	ug/L	1000	33.6	1	12/04/23 16:30	12/07/23 01:22	7439-95-4	
Manganese	**1150**	ug/L	10.0	1.8	1	12/04/23 16:30	12/07/23 01:22	7439-96-5	
Molybdenum	**27.5**	ug/L	10.0	0.78	1	12/04/23 16:30	12/07/23 01:22	7439-98-7	
Potassium	**18500**	ug/L	1000	97.8	1	12/04/23 16:30	12/07/23 01:22	7440-09-7	
Silica	**13300**	ug/L	450		1	12/04/23 16:30	12/07/23 01:22	7631-86-9	N2
Sodium	**769000**	ug/L	5000	274	5	12/04/23 16:30	12/07/23 01:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**4750**	ug/L	100	30.0	1	12/04/23 16:22	12/06/23 23:39	7439-89-6	
Manganese, Dissolved	**1160**	ug/L	10.0	1.8	1	12/04/23 16:22	12/06/23 23:39	7439-96-5	
Molybdenum, Dissolved	**27.9**	ug/L	10.0	0.78	1	12/04/23 16:22	12/06/23 23:39	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	0.080	1	12/01/23 06:20	12/04/23 02:07	7440-36-0	
Arsenic	**12.7**	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 02:07	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 02:07	7440-41-7	
Cobalt	**1.1**	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 02:07	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 02:07	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		11/29/23 21:46		
Alkalinity,Bicarbonate (CaCO3)	**266**	mg/L	10.0	10.0	1		11/29/23 21:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/29/23 21:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**3250**	mg/L	40.0	40.0	1		11/29/23 10:09		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-2S **Lab ID: 50360416001** Collected: 11/27/23 12:25 Received: 11/27/23 15:00 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	**6.8**	Std. Units	0.10	0.10	1		12/09/23 14:19		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/28/23 10:17	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.0**	mg/L	0.50	0.088	2.5		11/28/23 15:01	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.42**	mg/L	0.10	0.011	1		11/28/23 00:27	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/28/23 00:27	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.97**	mg/L	0.15	0.15	1	12/06/23 09:30	12/07/23 15:43		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**6.2**	mg/L	4.0	0.94	4		12/06/23 11:13	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**6.4**	mg/L	4.0	0.94	4		12/05/23 09:31		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-2D **Lab ID: 50360416002** Collected: 11/27/23 13:50 Received: 11/27/23 15:00 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	**1220**	mg/L	25.0	6.7	100		12/07/23 23:40	16887-00-6	
Fluoride	**0.68**	mg/L	0.10	0.017	1		12/07/23 23:04	16984-48-8	
Sulfate	**1540**	mg/L	25.0	19.0	100		12/07/23 23:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	12/04/23 16:30	12/07/23 01:24	7429-90-5	
Barium	**51.2**	ug/L	10.0	0.45	1	12/04/23 16:30	12/07/23 01:24	7440-39-3	
Boron	**1080**	ug/L	100	6.2	1	12/04/23 16:30	12/07/23 01:24	7440-42-8	
Calcium	**394000**	ug/L	5000	338	5	12/04/23 16:30	12/07/23 01:21	7440-70-2	
Iron	**4760**	ug/L	100	30.0	1	12/04/23 16:30	12/07/23 01:24	7439-89-6	
Lithium	**45.2**	ug/L	20.0	6.8	1	12/04/23 16:30	12/07/23 01:24	7439-93-2	
Magnesium	**107000**	ug/L	1000	33.6	1	12/04/23 16:30	12/07/23 01:24	7439-95-4	
Manganese	**1100**	ug/L	10.0	1.8	1	12/04/23 16:30	12/07/23 01:24	7439-96-5	
Molybdenum	**68.1**	ug/L	10.0	0.78	1	12/04/23 16:30	12/07/23 01:24	7439-98-7	
Potassium	**19800**	ug/L	1000	97.8	1	12/04/23 16:30	12/07/23 01:24	7440-09-7	
Silica	**16400**	ug/L	450		1	12/04/23 16:30	12/07/23 01:24	7631-86-9	N2
Sodium	**891000**	ug/L	5000	274	5	12/04/23 16:30	12/07/23 01:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**4690**	ug/L	100	30.0	1	12/04/23 16:22	12/06/23 23:40	7439-89-6	
Manganese, Dissolved	**1110**	ug/L	10.0	1.8	1	12/04/23 16:22	12/06/23 23:40	7439-96-5	
Molybdenum, Dissolved	**68.9**	ug/L	10.0	0.78	1	12/04/23 16:22	12/06/23 23:40	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	0.080	1	12/01/23 06:20	12/04/23 02:10	7440-36-0	
Arsenic	**6.5**	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 02:10	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 02:10	7440-41-7	
Cobalt	**1.2**	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 02:10	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 02:10	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**253**	mg/L	10.0	10.0	1		11/29/23 21:46		
Alkalinity,Bicarbonate (CaCO3)	**253**	mg/L	10.0	10.0	1		11/29/23 21:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/29/23 21:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**4240**	mg/L	40.0	40.0	1		11/29/23 10:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-2D **Lab ID: 50360416002** Collected: 11/27/23 13:50 Received: 11/27/23 15:00 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	**6.6**	Std. Units	0.10	0.10	1		12/09/23 14:26		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/28/23 10:17	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**2.7**	mg/L	0.50	0.088	2.5		11/28/23 15:01	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/28/23 00:29	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/28/23 00:29	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	**0.17**	mg/L	0.15	0.15	1	12/06/23 09:30	12/07/23 15:44		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**7.5**	mg/L	4.0	0.94	4		12/06/23 11:25	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**7.0**	mg/L	4.0	0.94	4		12/05/23 09:43		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-3D **Lab ID: 50360416003** Collected: 11/27/23 12:15 Received: 11/27/23 15:00 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	**122**	mg/L	2.5	0.67	10		12/08/23 01:12	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.017	1		12/08/23 00:54	16984-48-8	
Sulfate	**185**	mg/L	2.5	1.9	10		12/08/23 01:12	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	12/04/23 16:30	12/07/23 01:25	7429-90-5	
Barium	**106**	ug/L	10.0	0.45	1	12/04/23 16:30	12/07/23 01:25	7440-39-3	
Boron	**794**	ug/L	100	6.2	1	12/04/23 16:30	12/07/23 01:25	7440-42-8	
Calcium	**129000**	ug/L	1000	67.7	1	12/04/23 16:30	12/07/23 01:25	7440-70-2	
Iron	**1950**	ug/L	100	30.0	1	12/04/23 16:30	12/07/23 01:25	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	12/04/23 16:30	12/07/23 01:25	7439-93-2	
Magnesium	**30100**	ug/L	1000	33.6	1	12/04/23 16:30	12/07/23 01:25	7439-95-4	
Manganese	**290**	ug/L	10.0	1.8	1	12/04/23 16:30	12/07/23 01:25	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	12/04/23 16:30	12/07/23 01:25	7439-98-7	
Potassium	**3630**	ug/L	1000	97.8	1	12/04/23 16:30	12/07/23 01:25	7440-09-7	
Silica	**11200**	ug/L	450		1	12/04/23 16:30	12/07/23 01:25	7631-86-9	N2
Sodium	**83500**	ug/L	1000	54.8	1	12/04/23 16:30	12/07/23 01:25	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1950**	ug/L	100	30.0	1	12/04/23 16:22	12/06/23 23:49	7439-89-6	
Manganese, Dissolved	**296**	ug/L	10.0	1.8	1	12/04/23 16:22	12/06/23 23:49	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	12/04/23 16:22	12/06/23 23:49	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	0.080	1	12/01/23 06:20	12/04/23 02:14	7440-36-0	
Arsenic	**3.3**	ug/L	1.0	0.12	1	12/01/23 06:20	12/04/23 02:14	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/01/23 06:20	12/04/23 02:14	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/01/23 06:20	12/04/23 02:14	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/01/23 06:20	12/04/23 02:14	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		11/29/23 21:46		
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	10.0	10.0	1		11/29/23 21:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/29/23 21:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**680**	mg/L	10.0	10.0	1		11/29/23 10:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-3D **Lab ID: 50360416003** Collected: 11/27/23 12:15 Received: 11/27/23 15:00 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	**6.7**	Std. Units	0.10	0.10	1		12/09/23 14:17		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		11/28/23 10:17	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.7**	mg/L	0.20	0.035	1		11/28/23 15:00	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/28/23 00:16	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/28/23 00:16	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	12/06/23 09:30	12/11/23 17:44		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.5**	mg/L	1.0	0.24	1		12/05/23 20:43	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.3**	mg/L	1.0	0.24	1		12/05/23 01:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 766740
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3513114 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/07/23 17:33	
Fluoride	mg/L	ND	0.10	0.017	12/07/23 17:33	
Sulfate	mg/L	ND	0.25	0.19	12/07/23 17:33	

LABORATORY CONTROL SAMPLE: 3513115

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	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513116 3513117

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	35.6	25	25	58.5	58.5	92	92	80-120	0	15	
Fluoride	mg/L	0.32	1	1	1.3	1.3	100	102	80-120	1	15	
Sulfate	mg/L	720	500	500	1120	1120	80	80	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513118 3513119

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	122	25	25	147	147	103	100	80-120	1	15	
Fluoride	mg/L	0.16	1	1	1.2	1.2	102	101	80-120	1	15	
Sulfate	mg/L	185	50	50	236	236	102	102	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513120 3513121

Parameter	Units	50360446003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.7	2.5	2.5	10.1	10.1	96	96	80-120	0	15	
Fluoride	mg/L	0.65	1	1	1.7	1.7	102	102	80-120	0	15	
Sulfate	mg/L	61.6	50	50	108	108	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765994
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3510191 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	12/07/23 00:13	
Barium	ug/L	ND	10.0	0.45	12/07/23 00:13	
Boron	ug/L	ND	100	6.2	12/07/23 00:13	
Calcium	ug/L	ND	1000	67.7	12/07/23 00:13	
Iron	ug/L	ND	100	30.0	12/07/23 00:13	
Lithium	ug/L	ND	20.0	6.8	12/07/23 00:13	
Magnesium	ug/L	ND	1000	33.6	12/07/23 00:13	
Manganese	ug/L	ND	10.0	1.8	12/07/23 00:13	
Molybdenum	ug/L	ND	10.0	0.78	12/07/23 00:13	
Potassium	ug/L	ND	1000	97.8	12/07/23 00:13	
Silica	ug/L	ND	450		12/07/23 00:13	N2
Sodium	ug/L	ND	1000	54.8	12/07/23 00:13	

LABORATORY CONTROL SAMPLE: 3510192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10400	104	80-120	
Barium	ug/L	1000	1040	104	80-120	
Boron	ug/L	1000	995	99	80-120	
Calcium	ug/L	10000	10400	104	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lithium	ug/L	1000	1080	108	80-120	
Magnesium	ug/L	10000	9870	99	80-120	
Manganese	ug/L	1000	1020	102	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	10300	103	80-120	
Silica	ug/L	10700	11000	103	80-120	N2
Sodium	ug/L	10000	10200	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510193 3510194

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10400	9920	104	99	75-125	5	20	
Barium	ug/L	106	1000	1000	1140	1090	104	99	75-125	5	20	
Boron	ug/L	794	1000	1000	1850	1770	106	98	75-125	4	20	
Calcium	ug/L	129000	10000	10000	140000	135000	107	52	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510193 3510194

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1950	10000	10000	12000	11500	101	96	75-125	4	20	
Lithium	ug/L	ND	1000	1000	1090	1040	108	103	75-125	5	20	
Magnesium	ug/L	30100	10000	10000	40200	38300	101	83	75-125	5	20	
Manganese	ug/L	290	1000	1000	1300	1240	101	95	75-125	5	20	
Molybdenum	ug/L	ND	1000	1000	1060	1010	105	100	75-125	5	20	
Potassium	ug/L	3630	10000	10000	14100	13500	105	98	75-125	5	20	
Silica	ug/L	11200	10700	10700	22500	21600	106	98	75-125	4	20	N2
Sodium	ug/L	83500	10000	10000	94400	90400	109	68	75-125	4	20	P6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510195 3510196

Parameter	Units	50360768008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	17800	10000	10000	31600	34400	138	166	75-125	8	20	M3
Barium	ug/L	239	1000	1000	1230	1270	99	103	75-125	3	20	
Boron	ug/L	1040	1000	1000	2060	2120	103	108	75-125	3	20	
Calcium	ug/L	4860	10000	10000	15100	15300	102	105	75-125	2	20	
Iron	ug/L	18900	10000	10000	29000	29700	101	108	75-125	2	20	
Lithium	ug/L	53.6	1000	1000	1090	1110	103	106	75-125	3	20	
Magnesium	ug/L	5740	10000	10000	15300	15600	96	99	75-125	2	20	
Manganese	ug/L	270	1000	1000	1250	1270	98	100	75-125	2	20	
Molybdenum	ug/L	22.1	1000	1000	1020	1040	100	102	75-125	2	20	
Potassium	ug/L	6330	10000	10000	16800	17700	104	114	75-125	5	20	
Silica	ug/L	50600	10700	10700	87400	92400	344	391	75-125	6	20	N2
Sodium	ug/L	601000	10000	10000	611000	625000	103	248	75-125	2	20	E,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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765839
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3509363 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	12/06/23 23:01	
Manganese, Dissolved	ug/L	ND	10.0	1.8	12/06/23 23:01	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	12/06/23 23:01	

LABORATORY CONTROL SAMPLE: 3509364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9410	94	80-120	
Manganese, Dissolved	ug/L	1000	926	93	80-120	
Molybdenum, Dissolved	ug/L	1000	959	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509365 3509366

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	9010	10000	10000	18800	19000	98	100	75-125	1	20	
Manganese, Dissolved	ug/L	832	1000	1000	1800	1810	97	98	75-125	1	20	
Molybdenum, Dissolved	ug/L	37.8	1000	1000	1090	1080	105	104	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509367 3509368

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	1950	10000	10000	11800	11700	99	98	75-125	1	20	
Manganese, Dissolved	ug/L	296	1000	1000	1270	1270	97	97	75-125	0	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1020	1010	101	100	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509369 3509370

Parameter	Units	50360527003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	32400	10000	10000	42800	42400	104	100	75-125	1	20	
Manganese, Dissolved	ug/L	1900	1000	1000	2890	2860	99	96	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1090	1080	108	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765679
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3508721 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.080	12/04/23 02:00	
Arsenic	ug/L	ND	1.0	0.12	12/04/23 02:00	
Beryllium	ug/L	ND	0.20	0.026	12/04/23 02:00	
Cobalt	ug/L	ND	1.0	0.071	12/04/23 02:00	
Selenium	ug/L	ND	1.0	0.19	12/04/23 02:00	

LABORATORY CONTROL SAMPLE: 3508722

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.3	106	80-120	
Arsenic	ug/L	40	38.2	96	80-120	
Beryllium	ug/L	40	36.7	92	80-120	
Cobalt	ug/L	40	42.7	107	80-120	
Selenium	ug/L	40	38.3	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3508723 3508724

Parameter	Units	50360416003 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	43.8	107	109	75-125	2	20	
Arsenic	ug/L	3.3	40	40	41.5	42.0	95	97	75-125	1	20	
Beryllium	ug/L	ND	40	40	36.9	36.6	92	92	75-125	1	20	
Cobalt	ug/L	ND	40	40	40.5	40.7	101	101	75-125	0	20	
Selenium	ug/L	ND	40	40	38.3	38.8	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765453
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3507837 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/29/23 21:46	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/29/23 21:46	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/29/23 21:46	

LABORATORY CONTROL SAMPLE: 3507838

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: 3507839

Parameter	Units	50360415001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	274	278	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	253	258	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	21.2	20.8	2	20	

SAMPLE DUPLICATE: 3507840

Parameter	Units	50360416003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	263	268	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	263	268	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765242
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3507014 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	11/29/23 10:09	

LABORATORY CONTROL SAMPLE: 3507015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	269	90	80-120	

SAMPLE DUPLICATE: 3507016

Parameter	Units	50360416003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	680	698	3	10	

SAMPLE DUPLICATE: 3507017

Parameter	Units	50360446003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	297	322	8	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 767078
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: 50360416001, 50360416002, 50360416003

SAMPLE DUPLICATE: 3515050

Parameter	Units	50360416003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.7	0	2	H3

SAMPLE DUPLICATE: 3515051

Parameter	Units	50360446003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.9	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765001
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3505948 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	11/28/23 10:17	

LABORATORY CONTROL SAMPLE: 3505949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.51	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505950 3505951

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.46	0.47	91	94	90-110	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765059
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3506117 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	11/28/23 14:56	H3,N2

LABORATORY CONTROL SAMPLE: 3506118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	101	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506119 3506120

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.2	5	5	6.2	6.1	100	98	90-110	2	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506121 3506122

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.7	5	5	6.6	6.7	97	99	90-110	1	20	H3,N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 764928
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: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3505772 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/28/23 00:01	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/28/23 00:01	

LABORATORY CONTROL SAMPLE: 3505773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	100	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3505774 3505775

Parameter	Units	50360416003 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	0.94	0.94	93	93	90-110	1	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.0	1.0	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 766451
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002

METHOD BLANK: 3511720 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/07/23 15:32	

LABORATORY CONTROL SAMPLE: 3511721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.5			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3511722 3511723

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	1.6			3.3	3.2				1		

MATRIX SPIKE SAMPLE: 3511724

Parameter	Units	50360416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	0.97		2.4			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 766452
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416003

METHOD BLANK: 3511725 Matrix: Water
Associated Lab Samples: 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/11/23 17:43	

LABORATORY CONTROL SAMPLE: 3511726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.5			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3511727 3511728

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.6	1.6				2		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 766137
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002

METHOD BLANK: 3510585 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/05/23 14:42	

LABORATORY CONTROL SAMPLE: 3510586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510587 3510588

Parameter	Units	50360386001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.6	10	10	12.3	12.4	97	98	80-120	1	20	

MATRIX SPIKE SAMPLE: 3510589

Parameter	Units	50360416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	6.2	10	14.8	86	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 766138
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416003

METHOD BLANK: 3510590 Matrix: Water
Associated Lab Samples: 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/05/23 20:23	

LABORATORY CONTROL SAMPLE: 3510591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510592 3510593

Parameter	Units	50360416003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.5	10	10	11.7	11.7	92	93	80-120	0	20	

MATRIX SPIKE SAMPLE: 3510594

Parameter	Units	50360485003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.1	10	11.8	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 765969
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360416001, 50360416002, 50360416003

METHOD BLANK: 3510144 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/04/23 20:13	

LABORATORY CONTROL SAMPLE: 3510145

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: 3510146 3510147

Parameter	Units	50360386001 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	2.6	10	10	12.2	12.3	96	96	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510148 3510149

Parameter	Units	50360416003 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	2.3	10	10	11.8	11.9	94	95	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-2S **Lab ID: 50360416001** Collected: 11/27/23 12:25 Received: 11/27/23 15:00 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	**1.34 ± 0.904 (1.33) C:NA T:87%**	pCi/L	12/20/23 13:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.13 ± 0.473 (0.775) C:84% T:83%**	pCi/L	12/15/23 11:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.47 ± 1.38 (2.11)**	pCi/L	12/20/23 16:57	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-2D **Lab ID: 50360416002** Collected: 11/27/23 13:50 Received: 11/27/23 15:00 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	**0.534 ± 0.651 (1.08) C:NA T:95%**	pCi/L	12/20/23 13:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.994 ± 0.488 (0.872) C:82% T:84%**	pCi/L	12/15/23 11:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.53 ± 1.14 (1.95)**	pCi/L	12/20/23 16:57	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-3D **Lab ID: 50360416003** Collected: 11/27/23 12:15 Received: 11/27/23 15:00 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	**0.692 ± 0.459 (0.604) C:NA T:82%**	pCi/L	12/20/23 13:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.474 ± 0.366 (0.725) C:83% T:82%**	pCi/L	12/15/23 11:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.17 ± 0.825 (1.33)**	pCi/L	12/20/23 16:57	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-3D MS **Lab ID: 50360416004** Collected: 11/27/23 12:15 Received: 11/27/23 15:00 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	**80.49 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/20/23 13:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**81.25 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/15/23 11:51	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Sample: MW-3D MSD **Lab ID: 50360416005** Collected: 11/27/23 12:15 Received: 11/27/23 15:00 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	**102.71 %REC 24.26RPD ± NA (NA) C:NA T:NA**	pCi/L	12/20/23 13:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**84.64 %REC 4.08RPD ± NA (NA) C:NA T:NA**	pCi/L	12/15/23 11:51	15262-20-1	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 633890 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: 50360416001, 50360416002, 50360416003, 50360416004, 50360416005

METHOD BLANK: 3090221 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003, 50360416004, 50360416005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0138 ± 0.265 (0.620) C:78% T:84%	pCi/L	12/15/23 11:48	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50360416

QC Batch: 633888 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: 50360416001, 50360416002, 50360416003, 50360416004, 50360416005

METHOD BLANK: 3090216 Matrix: Water
Associated Lab Samples: 50360416001, 50360416002, 50360416003, 50360416004, 50360416005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0899 ± 0.216 (0.540) C:NA T:97%	pCi/L	12/20/23 13:13	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street Nov 2023
Pace Project No.: 50360416

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360416001	**MW-2S**	EPA 9056	766740		
50360416002	**MW-2D**	EPA 9056	766740		
50360416003	**MW-3D**	EPA 9056	766740		
50360416001	**MW-2S**	EPA 3010	765994	EPA 6010	766622
50360416002	**MW-2D**	EPA 3010	765994	EPA 6010	766622
50360416003	**MW-3D**	EPA 3010	765994	EPA 6010	766622
50360416001	**MW-2S**	EPA 3010	765839	EPA 6010	766618
50360416002	**MW-2D**	EPA 3010	765839	EPA 6010	766618
50360416003	**MW-3D**	EPA 3010	765839	EPA 6010	766618
50360416001	**MW-2S**	EPA 200.2	765679	EPA 6020	765905
50360416002	**MW-2D**	EPA 200.2	765679	EPA 6020	765905
50360416003	**MW-3D**	EPA 200.2	765679	EPA 6020	765905
50360416001	**MW-2S**	EPA 903.1	633888		
50360416002	**MW-2D**	EPA 903.1	633888		
50360416003	**MW-3D**	EPA 903.1	633888		
50360416004	**MW-3D MS**	EPA 903.1	633888		
50360416005	**MW-3D MSD**	EPA 903.1	633888		
50360416001	**MW-2S**	EPA 904.0	633890		
50360416002	**MW-2D**	EPA 904.0	633890		
50360416003	**MW-3D**	EPA 904.0	633890		
50360416004	**MW-3D MS**	EPA 904.0	633890		
50360416005	**MW-3D MSD**	EPA 904.0	633890		
50360416001	**MW-2S**	Total Radium Calculation	637540		
50360416002	**MW-2D**	Total Radium Calculation	637540		
50360416003	**MW-3D**	Total Radium Calculation	637540		
50360416001	**MW-2S**	SM 2320B	765453		
50360416002	**MW-2D**	SM 2320B	765453		
50360416003	**MW-3D**	SM 2320B	765453		
50360416001	**MW-2S**	SM 2540C	765242		
50360416002	**MW-2D**	SM 2540C	765242		
50360416003	**MW-3D**	SM 2540C	765242		
50360416001	**MW-2S**	SM 4500-H+B	767078		
50360416002	**MW-2D**	SM 4500-H+B	767078		
50360416003	**MW-3D**	SM 4500-H+B	767078		
50360416001	**MW-2S**	SM 4500-S2-D	765001		
50360416002	**MW-2D**	SM 4500-S2-D	765001		
50360416003	**MW-3D**	SM 4500-S2-D	765001		
50360416001	**MW-2S**	HACH 8146	765059		
50360416002	**MW-2D**	HACH 8146	765059		
50360416003	**MW-3D**	HACH 8146	765059		
50360416001	**MW-2S**	EPA 353.2	764928		
50360416002	**MW-2D**	EPA 353.2	764928		
50360416003	**MW-3D**	EPA 353.2	764928		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023
Pace Project No.: 50360416

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360416001	**MW-2S**	EPA 365.1	766451	EPA 365.1	766899
50360416002	**MW-2D**	EPA 365.1	766451	EPA 365.1	766899
50360416003	**MW-3D**	EPA 365.1	766452	EPA 365.1	767349
50360416001	**MW-2S**	SM 5310C	766137		
50360416002	**MW-2D**	SM 5310C	766137		
50360416003	**MW-3D**	SM 5310C	766138		
50360416001	**MW-2S**	SM 5310C	765969		
50360416002	**MW-2D**	SM 5310C	765969		
50360416003	**MW-3D**	SM 5310C	765969		

WO# : 50360416

50360416

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

...gment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A — Required Client Information:

Company:	AES/IPL Petersburg
Address:	7988 Centerpoint Drive
	Suite 100, Indianapolis, IN 46256
Email:	mark.breting@atcgs.com
Phone:	317-313-8306 Fax
Requested Due Date:	

Required Project Information:

Report To:	Mark Breting
Copy To:	
Purchase Order #:	
Project Name:	Harding Street Nov 2023
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	will.statz@pacelabs.com,
Pace Profile #:	10498-48

Regulatory Agency:

State / Location: IN

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532		Residual Chlorine (Y/N)	
										Requested Analysis Filtered (Y/N)																					
1	Mw-25	WT		11.27.23	1225				11	3	3	4		1				x	x	x	x	x	x	x	x	x	x	x			001
2	Mw-2D	WT			1350													x	x	x	x	x	x	x	x	x	x	x			002
3	Mw-30	WT			1215													x	x	x	x	x	x	x	x	x	x	x			003
4	MS-1	WT			1215													x	x	x	x	x	x	x	x	x	x	x			
5	MSD1	WT			1215													x	x	x	x	x	x	x	x	x	x	x			
6		WT																x	x	x	x	x	x	x	x	x	x	x			
7		WT																x	x	x	x	x	x	x	x	x	x	x			
8		WT																x	x	x	x	x	x	x	x	x	x	x			
9		WT																x	x	x	x	x	x	x	x	x	x	x			
10		WT																x	x	x	x	x	x	x	x	x	x	x			
11		WT																x	x	x	x	x	x	x	x	x	x	x			
12																		x	x	x	x	x	x	x	x	x	x	x			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	/Atlas	11.27.23	1420	Keegan Lawhead/Atlas	11.27.23	1420				
6020 - Be,Co, As, Se, Sb (5)	Keegan Lawhead/Atlas	11.27.23	1500		11/27/23	1500	1.8	Y	N	Y
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)							0.2	Y	N	Y
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Erica Valtin / Keegan Lawhead		TEMP in C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:		DATE Signed: 11.27.23	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

F-IN-Q-290-rev.23, 26Jun2023

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11/27/23 1730 IL

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H

4. **Cooler Temperature(s):** 1.9/1.8 | 0.2/0.2 | | |

(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

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:** NO_2/NO_3	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1745	
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)			✓
Headspace Wisconsin Sulfide?			✓
Headspace in VOA Vials (>6mm): See Containter Count form for details			No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 **of** 1

Sample Container Count

** Place a RED 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	1			2	2	1	1	1	1		1					W	✓	✓		✓
2												↓	↓			↓	↓	↓	↓	↓	↓		↓					↓	✓	✓		✓
3												3	3			6	6	3	3	3	3		3					↓	✓	✓		✓
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

January 30, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on November 29, 2023. 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,

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: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50360581001	**MW-15I**	Water	11/29/23 12:15	11/29/23 14:43
50360581002	**MW-15D**	Water	11/29/23 12:10	11/29/23 14:43
50360581003	**MW-15D MS**	Water	11/29/23 12:10	11/29/23 14:43
50360581004	**MW-15D MSD**	Water	11/29/23 12:10	11/29/23 14:43

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50360581001	**MW-15I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	MAR1	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360581002	**MW-15D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	12	PASI-I
		EPA 6010	JPK	3	PASI-I
		EPA 6020	DMT	5	PASI-I
		EPA 903.1	MAR1	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	BEP	1	PASI-I
		EPA 353.2	DAW	2	PASI-I
		EPA 365.1	YAM	1	PASI-I
		SM 5310C	ATS	1	PASI-I
		SM 5310C	ATS	1	PASI-I
50360581003	**MW-15D MS**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50360581004	**MW-15D MSD**	EPA 903.1	MAR1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360581001	**MW-15I**					
EPA 9056	Chloride	23.9	mg/L	2.5	12/11/23 18:08	
EPA 9056	Sulfate	56.0	mg/L	2.5	12/11/23 18:08	
EPA 6010	Barium	72.4	ug/L	10.0	12/08/23 11:20	
EPA 6010	Boron	110	ug/L	100	12/08/23 11:20	
EPA 6010	Calcium	121000	ug/L	1000	12/08/23 11:20	
EPA 6010	Magnesium	32600	ug/L	1000	12/08/23 11:20	
EPA 6010	Manganese	14.2	ug/L	10.0	12/08/23 11:20	
EPA 6010	Potassium	1570	ug/L	1000	12/08/23 11:20	
EPA 6010	Silica	13800	ug/L	450	12/08/23 11:20	N2
EPA 6010	Sodium	14100	ug/L	1000	12/08/23 11:20	
EPA 6010	Manganese, Dissolved	14.1	ug/L	10.0	12/05/23 03:42	
EPA 903.1	Radium-226	0.119 ± 0.549 (1.04) C:NA T:85%	pCi/L		12/21/23 12:26	
EPA 904.0	Radium-228	0.407 ± 0.323 (0.639) C:84% T:85%	pCi/L		12/15/23 11:49	
Total Radium Calculation	Total Radium	0.526 ± 0.872 (1.68)	pCi/L		12/21/23 14:35	
SM 2320B	Alkalinity, Total as CaCO3	348	mg/L	10.0	11/30/23 21:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	348	mg/L	10.0	11/30/23 21:01	
SM 2540C	Total Dissolved Solids	441	mg/L	10.0	12/04/23 11:22	
SM 4500-H+B	pH at 25 Degrees C	8.0	Std. Units	0.10	12/13/23 14:14	H3
EPA 353.2	Nitrogen, Nitrate	2.4	mg/L	0.10	11/29/23 23:41	
SM 5310C	Total Organic Carbon	2.2	mg/L	1.0	12/06/23 16:53	
SM 5310C	Dissolved Organic Carbon	1.2	mg/L	1.0	12/15/23 10:24	
50360581002	**MW-15D**					
EPA 9056	Chloride	20.9	mg/L	2.5	12/11/23 18:45	
EPA 9056	Sulfate	64.2	mg/L	2.5	12/11/23 18:45	
EPA 6010	Barium	73.5	ug/L	10.0	12/08/23 11:21	
EPA 6010	Boron	154	ug/L	100	12/08/23 11:21	
EPA 6010	Calcium	109000	ug/L	1000	12/08/23 11:21	
EPA 6010	Iron	1160	ug/L	100	12/08/23 11:21	
EPA 6010	Magnesium	32500	ug/L	1000	12/08/23 11:21	
EPA 6010	Manganese	125	ug/L	10.0	12/08/23 11:21	
EPA 6010	Potassium	2140	ug/L	1000	12/08/23 11:21	
EPA 6010	Silica	13100	ug/L	450	12/08/23 11:21	N2
EPA 6010	Sodium	20200	ug/L	1000	12/08/23 11:21	
EPA 6010	Iron, Dissolved	585	ug/L	100	12/05/23 03:43	
EPA 6010	Manganese, Dissolved	68.2	ug/L	10.0	12/05/23 03:43	
EPA 6020	Arsenic	1.1	ug/L	1.0	12/05/23 08:17	
EPA 903.1	Radium-226	0.649 ± 0.455 (0.600) C:NA T:88%	pCi/L		12/21/23 12:26	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50360581002	**MW-15D**					
EPA 904.0	Radium-228	0.761 ± 0.445 (0.818) C:78% T:80%	pCi/L		12/15/23 15:16	
Total Radium Calculation	Total Radium	1.41 ± 0.900 (1.42)	pCi/L		12/21/23 14:35	
SM 2320B	Alkalinity, Total as CaCO3	343	mg/L	10.0	11/30/23 21:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	343	mg/L	10.0	11/30/23 21:01	
SM 2540C	Total Dissolved Solids	457	mg/L	10.0	12/04/23 11:22	
SM 4500-H+B	pH at 25 Degrees C	7.7	Std. Units	0.10	12/13/23 14:16	H3
SM 5310C	Total Organic Carbon	1.7	mg/L	1.0	12/06/23 17:03	
50360581003	**MW-15D MS**					
EPA 903.1	Radium-226	82.90 %REC ± NA (NA) C:NA T:NA	pCi/L		12/21/23 12:26	
EPA 904.0	Radium-228	89.69 %REC ± NA (NA) C:NA T:NA	pCi/L		12/15/23 15:17	
50360581004	**MW-15D MSD**					
EPA 903.1	Radium-226	107.44 %REC 25.79RPD ± NA (NA) C:NA T:NA	pCi/L		12/21/23 12:26	
EPA 904.0	Radium-228	84.12 %REC 6.40RPD ± NA (NA) C:NA T:NA	pCi/L		12/15/23 15:17	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15I **Lab ID: 50360581001** Collected: 11/29/23 12:15 Received: 11/29/23 14:43 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	2.5	0.67	10		12/11/23 18:08	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		12/11/23 17:50	16984-48-8	
Sulfate	**56.0**	mg/L	2.5	1.9	10		12/11/23 18:08	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	12/03/23 17:02	12/08/23 11:20	7429-90-5	
Barium	**72.4**	ug/L	10.0	0.45	1	12/03/23 17:02	12/08/23 11:20	7440-39-3	
Boron	**110**	ug/L	100	6.2	1	12/03/23 17:02	12/08/23 11:20	7440-42-8	
Calcium	**121000**	ug/L	1000	67.7	1	12/03/23 17:02	12/08/23 11:20	7440-70-2	
Iron	ND	ug/L	100	30.0	1	12/03/23 17:02	12/08/23 11:20	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	12/03/23 17:02	12/08/23 11:20	7439-93-2	
Magnesium	**32600**	ug/L	1000	33.6	1	12/03/23 17:02	12/08/23 11:20	7439-95-4	
Manganese	**14.2**	ug/L	10.0	1.8	1	12/03/23 17:02	12/08/23 11:20	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	12/03/23 17:02	12/08/23 11:20	7439-98-7	
Potassium	**1570**	ug/L	1000	97.8	1	12/03/23 17:02	12/08/23 11:20	7440-09-7	
Silica	**13800**	ug/L	450		1	12/03/23 17:02	12/08/23 11:20	7631-86-9	N2
Sodium	**14100**	ug/L	1000	54.8	1	12/03/23 17:02	12/08/23 11:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Iron, Dissolved	ND	ug/L	100	30.0	1	12/04/23 07:59	12/05/23 03:42	7439-89-6	
Manganese, Dissolved	**14.1**	ug/L	10.0	1.8	1	12/04/23 07:59	12/05/23 03:42	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	12/04/23 07:59	12/05/23 03:42	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	0.080	1	12/04/23 07:45	12/05/23 08:47	7440-36-0	
Arsenic	ND	ug/L	1.0	0.12	1	12/04/23 07:45	12/05/23 08:47	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/04/23 07:45	12/05/23 08:47	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/04/23 07:45	12/05/23 08:47	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/04/23 07:45	12/05/23 08:47	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**348**	mg/L	10.0	10.0	1		11/30/23 21:01		
Alkalinity,Bicarbonate (CaCO3)	**348**	mg/L	10.0	10.0	1		11/30/23 21:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/30/23 21:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**441**	mg/L	10.0	10.0	1		12/04/23 11:22		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15I **Lab ID: 50360581001** Collected: 11/29/23 12:15 Received: 11/29/23 14:43 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	**8.0**	Std. Units	0.10	0.10	1		12/13/23 14:14		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		12/01/23 15:27	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		12/12/23 16:06	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**2.4**	mg/L	0.10	0.011	1		11/29/23 23:41	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/29/23 23:41	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	12/06/23 11:00	12/07/23 16:12		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.2**	mg/L	1.0	0.24	1		12/06/23 16:53	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.2**	mg/L	1.0	0.24	1		12/15/23 10:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15D **Lab ID: 50360581002** Collected: 11/29/23 12:10 Received: 11/29/23 14:43 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	**20.9**	mg/L	2.5	0.67	10		12/11/23 18:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		12/11/23 18:26	16984-48-8	
Sulfate	**64.2**	mg/L	2.5	1.9	10		12/11/23 18:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	12/03/23 17:02	12/08/23 11:21	7429-90-5	
Barium	**73.5**	ug/L	10.0	0.45	1	12/03/23 17:02	12/08/23 11:21	7440-39-3	
Boron	**154**	ug/L	100	6.2	1	12/03/23 17:02	12/08/23 11:21	7440-42-8	
Calcium	**109000**	ug/L	1000	67.7	1	12/03/23 17:02	12/08/23 11:21	7440-70-2	
Iron	**1160**	ug/L	100	30.0	1	12/03/23 17:02	12/08/23 11:21	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	12/03/23 17:02	12/08/23 11:21	7439-93-2	
Magnesium	**32500**	ug/L	1000	33.6	1	12/03/23 17:02	12/08/23 11:21	7439-95-4	
Manganese	**125**	ug/L	10.0	1.8	1	12/03/23 17:02	12/08/23 11:21	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	12/03/23 17:02	12/08/23 11:21	7439-98-7	
Potassium	**2140**	ug/L	1000	97.8	1	12/03/23 17:02	12/08/23 11:21	7440-09-7	
Silica	**13100**	ug/L	450		1	12/03/23 17:02	12/08/23 11:21	7631-86-9	N2
Sodium	**20200**	ug/L	1000	54.8	1	12/03/23 17:02	12/08/23 11:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**585**	ug/L	100	30.0	1	12/04/23 07:59	12/05/23 03:43	7439-89-6	
Manganese, Dissolved	**68.2**	ug/L	10.0	1.8	1	12/04/23 07:59	12/05/23 03:43	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	0.78	1	12/04/23 07:59	12/05/23 03:43	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	0.080	1	12/04/23 07:45	12/05/23 08:17	7440-36-0	
Arsenic	**1.1**	ug/L	1.0	0.12	1	12/04/23 07:45	12/05/23 08:17	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	12/04/23 07:45	12/05/23 08:17	7440-41-7	
Cobalt	ND	ug/L	1.0	0.071	1	12/04/23 07:45	12/05/23 08:17	7440-48-4	
Selenium	ND	ug/L	1.0	0.19	1	12/04/23 07:45	12/05/23 08:17	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**343**	mg/L	10.0	10.0	1		11/30/23 21:01		
Alkalinity,Bicarbonate (CaCO3)	**343**	mg/L	10.0	10.0	1		11/30/23 21:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		11/30/23 21:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**457**	mg/L	10.0	10.0	1		12/04/23 11:22		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15D **Lab ID: 50360581002** Collected: 11/29/23 12:10 Received: 11/29/23 14:43 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	**7.7**	Std. Units	0.10	0.10	1		12/13/23 14:16		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		12/01/23 15:27	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.035	1		12/12/23 16:05	15438-31-0	H3,N2
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	ND	mg/L	0.10	0.011	1		11/29/23 23:40	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		11/29/23 23:40	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	12/06/23 11:00	12/07/23 16:12		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**1.7**	mg/L	1.0	0.24	1		12/06/23 17:03	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.24	1		12/07/23 16:02		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 767023
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3514700 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	12/11/23 16:54	
Fluoride	mg/L	ND	0.10	0.017	12/11/23 16:54	
Sulfate	mg/L	ND	0.25	0.19	12/11/23 16:54	

LABORATORY CONTROL SAMPLE: 3514701

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	0.97	97	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3514702 3514703

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	20.9	25	25	44.3	44.3	94	94	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.1	1.1	98	98	80-120	0	15	
Sulfate	mg/L	64.2	50	50	109	109	90	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 765707
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3508922 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	12/08/23 11:18	
Barium	ug/L	ND	10.0	0.45	12/08/23 11:18	
Boron	ug/L	ND	100	6.2	12/08/23 11:18	
Calcium	ug/L	ND	1000	67.7	12/08/23 11:18	
Iron	ug/L	ND	100	30.0	12/08/23 11:18	
Lithium	ug/L	ND	20.0	6.8	12/08/23 11:18	
Magnesium	ug/L	ND	1000	33.6	12/08/23 11:18	
Manganese	ug/L	ND	10.0	1.8	12/08/23 11:18	
Molybdenum	ug/L	ND	10.0	0.78	12/08/23 11:18	
Potassium	ug/L	ND	1000	97.8	12/08/23 11:18	
Silica	ug/L	ND	450		12/08/23 11:18	N2
Sodium	ug/L	ND	1000	54.8	12/08/23 11:18	

LABORATORY CONTROL SAMPLE: 3508923

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10200	102	80-120	
Barium	ug/L	1000	992	99	80-120	
Boron	ug/L	1000	983	98	80-120	
Calcium	ug/L	10000	10700	107	80-120	
Iron	ug/L	10000	9930	99	80-120	
Lithium	ug/L	1000	1050	105	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	992	99	80-120	
Molybdenum	ug/L	1000	1020	102	80-120	
Potassium	ug/L	10000	10200	102	80-120	
Silica	ug/L	10700	10800	101	80-120	N2
Sodium	ug/L	10000	10400	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3508924 3508925

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	9790	9780	98	98	75-125	0	20	
Barium	ug/L	73.5	1000	1000	1020	1030	95	96	75-125	1	20	
Boron	ug/L	154	1000	1000	1130	1130	97	98	75-125	0	20	
Calcium	ug/L	109000	10000	10000	115000	116000	57	70	75-125	1	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3508924 3508925

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1160	10000	10000	10700	10600	95	95	75-125	0	20	
Lithium	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Magnesium	ug/L	32500	10000	10000	40700	41100	82	86	75-125	1	20	
Manganese	ug/L	125	1000	1000	1070	1070	94	94	75-125	0	20	
Molybdenum	ug/L	ND	1000	1000	1000	991	100	99	75-125	1	20	
Potassium	ug/L	2140	10000	10000	11900	11900	98	98	75-125	0	20	
Silica	ug/L	13100	10700	10700	23400	23600	97	98	75-125	1	20	N2
Sodium	ug/L	20200	10000	10000	28700	29000	85	89	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3508926 3508927

Parameter	Units	50360636009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	61100	50000	50000	143000	130000	164	138	75-125	10	20	M3
Barium	ug/L	696	5000	5000	5810	5420	102	95	75-125	7	20	
Boron	ug/L	152J	5000	5000	5250	4950	102	96	75-125	6	20	
Calcium	ug/L	224000	50000	50000	279000	262000	109	76	75-125	6	20	
Iron	ug/L	174000	50000	50000	235000	213000	122	79	75-125	10	20	
Lithium	ug/L	83.8J	5000	5000	5430	5130	107	101	75-125	6	20	
Magnesium	ug/L	60500	50000	50000	113000	106000	106	91	75-125	7	20	
Manganese	ug/L	8820	5000	5000	13800	13000	100	84	75-125	6	20	
Molybdenum	ug/L	134	5000	5000	5280	5000	103	97	75-125	5	20	
Potassium	ug/L	17300	50000	50000	75700	69100	117	104	75-125	9	20	
Silica	ug/L	220000	53500	53500	411000	346000	358	236	75-125	17	20	N2
Sodium	ug/L	9650	50000	50000	60400	56800	102	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 765842
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3509372 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	30.0	12/05/23 03:13	
Manganese, Dissolved	ug/L	ND	10.0	1.8	12/05/23 03:13	
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	12/05/23 03:13	

LABORATORY CONTROL SAMPLE: 3509373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	9770	98	80-120	
Manganese, Dissolved	ug/L	1000	928	93	80-120	
Molybdenum, Dissolved	ug/L	1000	990	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509374 3509375

Parameter	Units	50360551008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	553	10000	10000	10100	10100	96	95	75-125	1	20	
Manganese, Dissolved	ug/L	2730	1000	1000	3550	3480	82	75	75-125	2	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	996	983	100	98	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509376 3509377

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	585	10000	10000	10000	10100	94	95	75-125	1	20	
Manganese, Dissolved	ug/L	68.2	1000	1000	963	970	89	90	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	980	993	98	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 765868
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3509542 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.080	12/05/23 07:56	
Arsenic	ug/L	ND	1.0	0.12	12/05/23 07:56	
Beryllium	ug/L	ND	0.20	0.026	12/05/23 07:56	
Cobalt	ug/L	ND	1.0	0.071	12/05/23 07:56	
Selenium	ug/L	ND	1.0	0.19	12/05/23 07:56	

LABORATORY CONTROL SAMPLE: 3509543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.5	101	80-120	
Arsenic	ug/L	40	38.3	96	80-120	
Beryllium	ug/L	40	40.0	100	80-120	
Cobalt	ug/L	40	40.3	101	80-120	
Selenium	ug/L	40	39.3	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509544 3509545

Parameter	Units	50360581002 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	41.8	102	104	75-125	3	20	
Arsenic	ug/L	1.1	40	40	39.2	39.1	95	95	75-125	0	20	
Beryllium	ug/L	ND	40	40	39.8	39.7	100	99	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.2	38.6	95	96	75-125	1	20	
Selenium	ug/L	ND	40	40	38.4	38.4	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 765696
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3508802 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	11/30/23 21:01	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	11/30/23 21:01	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	11/30/23 21:01	

LABORATORY CONTROL SAMPLE: 3508803

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: 3508804

Parameter	Units	50360551008 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	377	385	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	377	385	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3508805

Parameter	Units	50360581002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	343	348	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	343	348	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 766040
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3510310 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	12/04/23 11:18	

LABORATORY CONTROL SAMPLE: 3510311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	256	85	80-120	

SAMPLE DUPLICATE: 3510312

Parameter	Units	50360768008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1830	1600	13	10	R1

SAMPLE DUPLICATE: 3510313

Parameter	Units	50360581002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	457	438	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 767630
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: 50360581001, 50360581002

SAMPLE DUPLICATE: 3517112

Parameter	Units	50360581002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	1	2	H3

SAMPLE DUPLICATE: 3517113

Parameter	Units	50360705002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 765815
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3509298 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	12/01/23 15:27	

LABORATORY CONTROL SAMPLE: 3509299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3509300 3509301

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.49	0.50	98	101	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 767458
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3516194 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.035	12/12/23 16:04	H3,N2

LABORATORY CONTROL SAMPLE: 3516195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	100	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3516196 3516197

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.1	109	109	90-110	0	20	H3,N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 765460
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: 50360581001, 50360581002

METHOD BLANK: 3507889 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.011	11/29/23 23:04	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	11/29/23 23:04	

LABORATORY CONTROL SAMPLE: 3507890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	105	90-110	

MATRIX SPIKE SAMPLE: 3507891

Parameter	Units	50360520007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.10	1	1.1	101	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507892 3507893

Parameter	Units	50360581001 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	2.4	1	1	3.3	3.3	91	91	90-110	0	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.1	1.1	107	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 766453
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3511729 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	12/07/23 15:59	

LABORATORY CONTROL SAMPLE: 3511730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3511731 3511732

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.5	1.6				6		

MATRIX SPIKE SAMPLE: 3511733

Parameter	Units	50360714001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	0.22		1.7			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 766255
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001, 50360581002

METHOD BLANK: 3510984 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.24	12/07/23 14:30	

LABORATORY CONTROL SAMPLE: 3510985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510986 3510987

Parameter	Units	50360581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.7	10	10	10.7	10.5	90	88	80-120	2	20	

MATRIX SPIKE SAMPLE: 3510988

Parameter	Units	50360590006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	6250 ug/L	10	15.6	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 766254
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581002

METHOD BLANK: 3510980 Matrix: Water
Associated Lab Samples: 50360581002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/07/23 15:17	

LABORATORY CONTROL SAMPLE: 3510981

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: 3510982 3510983

Parameter	Units	50360581002 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	10.5	10.1	97	93	80-120	4	20	

MATRIX SPIKE SAMPLE: 3511949

Parameter	Units	50360613001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.0	10	11.1	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 767662
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50360581001

METHOD BLANK: 3517234 Matrix: Water
Associated Lab Samples: 50360581001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.24	12/15/23 09:31	

LABORATORY CONTROL SAMPLE: 3517235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3517236 3517237

Parameter	Units	50360581001 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	1.2	80	80	77.2	76.8	95	95	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15I **Lab ID: 50360581001** Collected: 11/29/23 12:15 Received: 11/29/23 14:43 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	**0.119 ± 0.549 (1.04) C:NA T:85%**	pCi/L	12/21/23 12:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.407 ± 0.323 (0.639) C:84% T:85%**	pCi/L	12/15/23 11:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.526 ± 0.872 (1.68)**	pCi/L	12/21/23 14:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15D **Lab ID: 50360581002** Collected: 11/29/23 12:10 Received: 11/29/23 14:43 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	**0.649 ± 0.455 (0.600) C:NA T:88%**	pCi/L	12/21/23 12:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.761 ± 0.445 (0.818) C:78% T:80%**	pCi/L	12/15/23 15:16	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.41 ± 0.900 (1.42)**	pCi/L	12/21/23 14:35	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15D MS **Lab ID: 50360581003** Collected: 11/29/23 12:10 Received: 11/29/23 14:43 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	**82.90 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/21/23 12:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**89.69 %REC ± NA (NA) C:NA T:NA**	pCi/L	12/15/23 15:17	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Sample: MW-15D MSD **Lab ID: 50360581004** Collected: 11/29/23 12:10 Received: 11/29/23 14:43 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	**107.44 %REC 25.79RPD ± NA (NA) C:NA T:NA**	pCi/L	12/21/23 12:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**84.12 %REC 6.40RPD ± NA (NA) C:NA T:NA**	pCi/L	12/15/23 15:17	15262-20-1	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 634139
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: 50360581001, 50360581002, 50360581003, 50360581004

METHOD BLANK: 3091832 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002, 50360581003, 50360581004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.208 (0.424) C:NA T:90%	pCi/L	12/21/23 12:14	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

QC Batch: 634140
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: 50360581001, 50360581002, 50360581003, 50360581004

METHOD BLANK: 3091835 Matrix: Water
Associated Lab Samples: 50360581001, 50360581002, 50360581003, 50360581004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.532 ± 0.388 (0.756) C:83% T:75%	pCi/L	12/15/23 11:49	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street P1R1 Nov 2023
Pace Project No.: 50360581

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50360581001	**MW-15I**	EPA 9056	767023		
50360581002	**MW-15D**	EPA 9056	767023		
50360581001	**MW-15I**	EPA 3010	765707	EPA 6010	766916
50360581002	**MW-15D**	EPA 3010	765707	EPA 6010	766916
50360581001	**MW-15I**	EPA 3010	765842	EPA 6010	766219
50360581002	**MW-15D**	EPA 3010	765842	EPA 6010	766219
50360581001	**MW-15I**	EPA 200.2	765868	EPA 6020	766180
50360581002	**MW-15D**	EPA 200.2	765868	EPA 6020	766180
50360581001	**MW-15I**	EPA 903.1	634139		
50360581002	**MW-15D**	EPA 903.1	634139		
50360581003	**MW-15D MS**	EPA 903.1	634139		
50360581004	**MW-15D MSD**	EPA 903.1	634139		
50360581001	**MW-15I**	EPA 904.0	634140		
50360581002	**MW-15D**	EPA 904.0	634140		
50360581003	**MW-15D MS**	EPA 904.0	634140		
50360581004	**MW-15D MSD**	EPA 904.0	634140		
50360581001	**MW-15I**	Total Radium Calculation	637830		
50360581002	**MW-15D**	Total Radium Calculation	637830		
50360581001	**MW-15I**	SM 2320B	765696		
50360581002	**MW-15D**	SM 2320B	765696		
50360581001	**MW-15I**	SM 2540C	766040		
50360581002	**MW-15D**	SM 2540C	766040		
50360581001	**MW-15I**	SM 4500-H+B	767630		
50360581002	**MW-15D**	SM 4500-H+B	767630		
50360581001	**MW-15I**	SM 4500-S2-D	765815		
50360581002	**MW-15D**	SM 4500-S2-D	765815		
50360581001	**MW-15I**	HACH 8146	767458		
50360581002	**MW-15D**	HACH 8146	767458		
50360581001	**MW-15I**	EPA 353.2	765460		
50360581002	**MW-15D**	EPA 353.2	765460		
50360581001	**MW-15I**	EPA 365.1	766453	EPA 365.1	766900
50360581002	**MW-15D**	EPA 365.1	766453	EPA 365.1	766900
50360581001	**MW-15I**	SM 5310C	766255		
50360581002	**MW-15D**	SM 5310C	766255		
50360581001	**MW-15I**	SM 5310C	767662		
50360581002	**MW-15D**	SM 5310C	766254		

WO# : 50360581

50360581

CHAIN-OF-CUSTO

The Chain-of-Custody is a L ately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace ndard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Int	
Company:	AES/IPL Petersburg	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street Nov 2023	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	10498-48

Regulatory Agency	
State / Location	
IN	

PIRI

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 365.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
										Requested Analysis Filtered (Y/N)																				
1	MW-15I	WT		11-29	1215				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		001
2	MW-15D (MS-2/MSD-2)	WT		11-29	1210				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		002
3	MS-2	WT		11-29	1210				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		↓
4	MSD-2	WT		11-29	1210				11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		↓
5		WT																	x	x	x	x	x	x	x	x	x	x		
6		WT																	x	x	x	x	x	x	x	x	x	x		
7		WT																	x	x	x	x	x	x	x	x	x	x		
8		WT																	x	x	x	x	x	x	x	x	x	x		
9		WT																	x	x	x	x	x	x	x	x	x	x		
10		WT																	x	x	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x	x	x		
12																			x	x	x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	(MW-15I) /Atlas	11-29-23	1330	/Atlas	11-29-23	1330				
6020 - Be,Co, As, Se, Sb (5)	/Atlas	11-29-23	1440		11-29-23	1443	1.1	Y	N	Y
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)										
6010 diss - Fe, Mn, Mo (3)										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	P. Grieg Hopper / Erika Valerio					
SIGNATURE of SAMPLER:		DATE Signed: 11-29-23 / 11-29-23				

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 11-29-23 1540 cmr

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G (H)
4. **Cooler Temperature(s):** 1.1 | 1.1 | 1.4 | 1.4 | | | | |
   (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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
   Cooler temp should be above freezing to 6°C

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: 1710	
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)			✓
Headspace Wisconsin Sulfide?			✓
	Present	**Absent**	**No VOA Vials Sent**
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE ____ of ____

Sample Container Count MDW 11/29/23

** Place a RED 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												1	1			2	2	1	1	1	1		1	+				SW	✓	✓		✓
2												3	3			6	6	3	3	3	3		3					↓	↓	↓		↓
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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

February 2024

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

March 12, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street Nov 2023
Pace Project No.: 50365995

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on February 16, 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,

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: Harding Street Nov 2023
Pace Project No.: 50365995

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50365995001	**MW-18D**	Water	02/14/24 11:20	02/16/24 07:53
50365995002	**MW-18 I**	Water	02/15/24 10:00	02/16/24 07:53
50365995003	**MW-18 S**	Water	02/15/24 11:40	02/16/24 07:53
50365995004	**DUP-1**	Water	02/15/24 08:00	02/16/24 07:53
50365995005	**MW-18I MS**	Water	02/15/24 10:00	02/16/24 07:53
50365995006	**MW-18I MSD**	Water	02/15/24 10:00	02/16/24 07:53

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50365995001	**MW-18D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	NWB	3	PASI-I
		EPA 6020	CAW	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	AEL	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	MMS	2	PASI-I
		EPA 365.1	ZM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50365995002	**MW-18 I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	NWB	3	PASI-I
		EPA 6020	CAW	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	MMS	2	PASI-I
		EPA 365.1	ZM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50365995003	**MW-18 S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	NWB	3	PASI-I
		EPA 6020	CAW	5	PASI-I
		EPA 903.1	LL1	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	WDB	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	MMS	2	PASI-I
		EPA 365.1	ZM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50365995004	**DUP-1**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	12	PASI-I
		EPA 6010	NWB	3	PASI-I
		EPA 6020	CAW	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		SM 4500-S2-D	BEP	1	PASI-I
		HACH 8146	STS	1	PASI-I
		EPA 353.2	MMS	2	PASI-I
		EPA 365.1	ZM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50365995005	**MW-18I MS**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50365995006	**MW-18I 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50365995001	**MW-18D**					
EPA 9056	Chloride	169	mg/L	2.5	02/22/24 08:48	
EPA 9056	Fluoride	0.11	mg/L	0.10	02/22/24 08:29	
EPA 9056	Sulfate	71.0	mg/L	2.5	02/22/24 08:48	
EPA 6010	Barium	487	ug/L	10.0	02/21/24 23:52	
EPA 6010	Boron	628	ug/L	100	02/21/24 23:52	
EPA 6010	Calcium	137000	ug/L	1000	02/21/24 23:52	
EPA 6010	Iron	5780	ug/L	100	02/21/24 23:52	
EPA 6010	Magnesium	37300	ug/L	1000	02/21/24 23:52	
EPA 6010	Manganese	63.6	ug/L	10.0	02/21/24 23:52	
EPA 6010	Potassium	5390	ug/L	1000	02/21/24 23:52	
EPA 6010	Silica	15600	ug/L	450	02/21/24 23:52	N2
EPA 6010	Sodium	90000	ug/L	1000	02/21/24 23:52	
EPA 6010	Iron, Dissolved	5990	ug/L	100	02/21/24 11:25	
EPA 6010	Manganese, Dissolved	65.4	ug/L	10.0	02/21/24 11:25	
EPA 6020	Arsenic	23.7	ug/L	1.0	02/20/24 19:16	
EPA 903.1	Radium-226	1.08 ± 0.708 (0.992) C:NA T:86%	pCi/L		03/08/24 14:18	
EPA 904.0	Radium-228	1.21 ± 0.475 (0.702) C:78% T:82%	pCi/L		03/08/24 14:30	
Total Radium Calculation	Total Radium	2.29 ± 1.18 (1.69)	pCi/L		03/12/24 15:20	
SM 2320B	Alkalinity, Total as CaCO3	406	mg/L	10.0	02/21/24 11:07	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	406	mg/L	10.0	02/21/24 11:07	
SM 2540C	Total Dissolved Solids	790	mg/L	10.0	02/21/24 08:56	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	03/01/24 13:02	H3
SM 5310C	Total Organic Carbon	4.2	mg/L	1.0	02/29/24 04:27	
SM 5310C	Dissolved Organic Carbon	4.2	mg/L	1.0	02/27/24 00:54	
50365995002	**MW-18 I**					
EPA 9056	Chloride	170	mg/L	2.5	03/06/24 03:18	
EPA 9056	Fluoride	0.15	mg/L	0.10	03/06/24 03:01	
EPA 9056	Sulfate	68.7	mg/L	2.5	03/06/24 03:18	
EPA 6010	Barium	445	ug/L	10.0	02/21/24 23:57	
EPA 6010	Boron	387	ug/L	100	02/21/24 23:57	
EPA 6010	Calcium	98100	ug/L	1000	02/21/24 23:57	
EPA 6010	Iron	3070	ug/L	100	02/21/24 23:57	
EPA 6010	Magnesium	31300	ug/L	1000	02/21/24 23:57	
EPA 6010	Manganese	137	ug/L	10.0	02/21/24 23:57	
EPA 6010	Potassium	9330	ug/L	1000	02/21/24 23:57	
EPA 6010	Silica	13500	ug/L	450	02/21/24 23:57	N2
EPA 6010	Sodium	92900	ug/L	1000	02/21/24 23:57	
EPA 6010	Iron, Dissolved	2940	ug/L	100	02/21/24 11:26	
EPA 6010	Manganese, Dissolved	136	ug/L	10.0	02/21/24 11:26	
EPA 6020	Arsenic	2.3	ug/L	1.0	02/20/24 19:36	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50365995002	**MW-18 I**					
EPA 903.1	Radium-226	1.16 ± 0.666 (0.922) C:NA T:91%	pCi/L		03/08/24 14:18	
EPA 904.0	Radium-228	1.78 ± 0.579 (0.780) C:76% T:90%	pCi/L		03/08/24 14:30	
Total Radium Calculation	Total Radium	2.94 ± 1.25 (1.70)	pCi/L		03/12/24 15:20	
SM 2320B	Alkalinity, Total as CaCO3	295	mg/L	10.0	02/21/24 11:07	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	295	mg/L	10.0	02/21/24 11:07	
SM 2540C	Total Dissolved Solids	640	mg/L	10.0	02/21/24 08:27	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	03/01/24 13:04	H3
SM 5310C	Total Organic Carbon	3.2	mg/L	1.0	02/29/24 04:39	
SM 5310C	Dissolved Organic Carbon	3.6	mg/L	1.0	02/28/24 02:24	
50365995003	**MW-18 S**					
EPA 9056	Chloride	132	mg/L	2.5	02/23/24 10:59	
EPA 9056	Fluoride	0.23	mg/L	0.10	02/23/24 10:43	
EPA 9056	Sulfate	80.1	mg/L	2.5	02/23/24 10:59	
EPA 6010	Barium	237	ug/L	10.0	02/22/24 00:04	
EPA 6010	Boron	214	ug/L	100	02/22/24 00:04	
EPA 6010	Calcium	92500	ug/L	1000	02/22/24 00:04	
EPA 6010	Iron	1970	ug/L	100	02/22/24 00:04	
EPA 6010	Magnesium	28100	ug/L	1000	02/22/24 00:04	
EPA 6010	Manganese	315	ug/L	10.0	02/22/24 00:04	
EPA 6010	Potassium	7580	ug/L	1000	02/22/24 00:04	
EPA 6010	Silica	9960	ug/L	450	02/22/24 00:04	N2
EPA 6010	Sodium	81900	ug/L	1000	02/22/24 00:04	
EPA 6010	Iron, Dissolved	1970	ug/L	100	02/21/24 11:32	
EPA 6010	Manganese, Dissolved	322	ug/L	10.0	02/21/24 11:32	
EPA 6020	Arsenic	1.7	ug/L	1.0	02/20/24 19:20	
EPA 903.1	Radium-226	1.09 ± 0.744 (1.06) C:NA T:84%	pCi/L		03/08/24 14:18	
EPA 904.0	Radium-228	1.07 ± 0.477 (0.778) C:79% T:82%	pCi/L		03/08/24 14:30	
Total Radium Calculation	Total Radium	2.16 ± 1.22 (1.84)	pCi/L		03/12/24 15:20	
SM 2320B	Alkalinity, Total as CaCO3	273	mg/L	10.0	02/21/24 11:07	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	10.0	02/21/24 11:07	
SM 2540C	Total Dissolved Solids	611	mg/L	10.0	02/21/24 08:27	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	03/01/24 13:06	H3
HACH 8146	Iron, Ferrous	1.5	mg/L	0.20	02/16/24 15:25	H3,N2
SM 5310C	Total Organic Carbon	2.2	mg/L	1.0	02/29/24 05:15	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50365995003	**MW-18 S**					
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	02/28/24 03:27	
50365995004	**DUP-1**					
EPA 9056	Chloride	168	mg/L	2.5	02/23/24 12:27	
EPA 9056	Fluoride	0.10	mg/L	0.10	02/23/24 12:08	
EPA 9056	Sulfate	70.4	mg/L	2.5	02/23/24 12:27	
EPA 6010	Barium	481	ug/L	10.0	02/22/24 00:05	
EPA 6010	Boron	625	ug/L	100	02/22/24 00:05	
EPA 6010	Calcium	136000	ug/L	1000	02/22/24 00:05	
EPA 6010	Iron	5750	ug/L	100	02/22/24 00:05	
EPA 6010	Magnesium	37100	ug/L	1000	02/22/24 00:05	
EPA 6010	Manganese	63.7	ug/L	10.0	02/22/24 00:05	
EPA 6010	Potassium	5350	ug/L	1000	02/22/24 00:05	
EPA 6010	Silica	15600	ug/L	450	02/22/24 00:05	N2
EPA 6010	Sodium	88900	ug/L	1000	02/22/24 00:05	
EPA 6010	Iron, Dissolved	6040	ug/L	100	02/21/24 11:34	
EPA 6010	Manganese, Dissolved	66.9	ug/L	10.0	02/21/24 11:34	
EPA 6020	Arsenic	23.6	ug/L	1.0	02/20/24 19:24	
EPA 903.1	Radium-226	1.36 ± 0.783 (1.03) C:NA T:91%	pCi/L		03/08/24 14:31	
EPA 904.0	Radium-228	1.03 ± 0.445 (0.711) C:79% T:84%	pCi/L		03/08/24 14:30	
Total Radium Calculation	Total Radium	2.39 ± 1.23 (1.74)	pCi/L		03/12/24 15:20	
SM 2320B	Alkalinity, Total as CaCO3	410	mg/L	10.0	02/21/24 11:07	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	410	mg/L	10.0	02/21/24 11:07	
SM 2540C	Total Dissolved Solids	809	mg/L	10.0	02/21/24 08:28	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	03/01/24 13:07	H3
SM 5310C	Total Organic Carbon	3.9	mg/L	1.0	02/29/24 05:26	
SM 5310C	Dissolved Organic Carbon	4.4	mg/L	1.0	02/28/24 03:39	
50365995005	**MW-18I MS**					
EPA 903.1	Radium-226	92.70 %REC ± NA (NA) C:NA T:NA	pCi/L		03/08/24 14:31	
EPA 904.0	Radium-228	94.82 %REC ± NA (NA) C:NA T:NA	pCi/L		03/08/24 14:30	
50365995006	**MW-18I MSD**					
EPA 903.1	Radium-226	99.15 %REC 6.72RPD ± NA (NA) C:NA T:NA	pCi/L		03/08/24 14:31	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50365995006	**MW-18I MSD**					
EPA 904.0	Radium-228	84.03 %REC 12.07RPD ± NA (NA) C:NA T:NA	pCi/L		03/08/24 14:30	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18D **Lab ID: 50365995001** Collected: 02/14/24 11:20 Received: 02/16/24 07:53 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	**169**	mg/L	2.5	0.67	10		02/22/24 08:48	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.017	1		02/22/24 08:29	16984-48-8	
Sulfate	**71.0**	mg/L	2.5	1.9	10		02/22/24 08:48	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	02/20/24 21:00	02/21/24 23:52	7429-90-5	
Barium	**487**	ug/L	10.0	0.45	1	02/20/24 21:00	02/21/24 23:52	7440-39-3	
Boron	**628**	ug/L	100	6.2	1	02/20/24 21:00	02/21/24 23:52	7440-42-8	
Calcium	**137000**	ug/L	1000	67.7	1	02/20/24 21:00	02/21/24 23:52	7440-70-2	
Iron	**5780**	ug/L	100	30.0	1	02/20/24 21:00	02/21/24 23:52	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	02/20/24 21:00	02/21/24 23:52	7439-93-2	
Magnesium	**37300**	ug/L	1000	33.6	1	02/20/24 21:00	02/21/24 23:52	7439-95-4	
Manganese	**63.6**	ug/L	10.0	1.8	1	02/20/24 21:00	02/21/24 23:52	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	02/20/24 21:00	02/21/24 23:52	7439-98-7	
Potassium	**5390**	ug/L	1000	97.8	1	02/20/24 21:00	02/21/24 23:52	7440-09-7	
Silica	**15600**	ug/L	450		1	02/20/24 21:00	02/21/24 23:52	7631-86-9	N2
Sodium	**90000**	ug/L	1000	54.8	1	02/20/24 21:00	02/21/24 23:52	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**5990**	ug/L	100	18.1	1	02/21/24 10:51	02/21/24 11:25	7439-89-6	
Manganese, Dissolved	**65.4**	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:25	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:25	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	0.26	1	02/20/24 09:45	02/20/24 19:16	7440-36-0	
Arsenic	**23.7**	ug/L	1.0	0.10	1	02/20/24 09:45	02/20/24 19:16	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	02/20/24 09:45	02/20/24 19:16	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	02/20/24 09:45	02/20/24 19:16	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	02/20/24 09:45	02/20/24 19:16	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**406**	mg/L	10.0	10.0	1		02/21/24 11:07		
Alkalinity,Bicarbonate (CaCO3)	**406**	mg/L	10.0	10.0	1		02/21/24 11:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		02/21/24 11:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**790**	mg/L	10.0	10.0	1		02/21/24 08:56		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18D **Lab ID: 50365995001** Collected: 02/14/24 11:20 Received: 02/16/24 07:53 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	**7.0**	Std. Units	0.10	0.10	1		03/01/24 13:02		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		02/17/24 15:45	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.14	1		02/16/24 15:00	15438-31-0	H3,N2
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		02/16/24 10:32	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		02/16/24 10:32	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	02/29/24 10:00	02/29/24 16:45		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**4.2**	mg/L	1.0	0.25	1		02/29/24 04:27	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.2**	mg/L	1.0	0.25	1		02/27/24 00:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18 I **Lab ID: 50365995002** Collected: 02/15/24 10:00 Received: 02/16/24 07:53 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	**170**	mg/L	2.5	0.67	10		03/06/24 03:18	16887-00-6	
Fluoride	**0.15**	mg/L	0.10	0.017	1		03/06/24 03:01	16984-48-8	
Sulfate	**68.7**	mg/L	2.5	1.9	10		03/06/24 03:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	02/20/24 21:00	02/21/24 23:57	7429-90-5	
Barium	**445**	ug/L	10.0	0.45	1	02/20/24 21:00	02/21/24 23:57	7440-39-3	
Boron	**387**	ug/L	100	6.2	1	02/20/24 21:00	02/21/24 23:57	7440-42-8	
Calcium	**98100**	ug/L	1000	67.7	1	02/20/24 21:00	02/21/24 23:57	7440-70-2	
Iron	**3070**	ug/L	100	30.0	1	02/20/24 21:00	02/21/24 23:57	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	02/20/24 21:00	02/21/24 23:57	7439-93-2	
Magnesium	**31300**	ug/L	1000	33.6	1	02/20/24 21:00	02/21/24 23:57	7439-95-4	
Manganese	**137**	ug/L	10.0	1.8	1	02/20/24 21:00	02/21/24 23:57	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	02/20/24 21:00	02/21/24 23:57	7439-98-7	
Potassium	**9330**	ug/L	1000	97.8	1	02/20/24 21:00	02/21/24 23:57	7440-09-7	
Silica	**13500**	ug/L	450		1	02/20/24 21:00	02/21/24 23:57	7631-86-9	N2
Sodium	**92900**	ug/L	1000	54.8	1	02/20/24 21:00	02/21/24 23:57	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**2940**	ug/L	100	18.1	1	02/21/24 10:51	02/21/24 11:26	7439-89-6	
Manganese, Dissolved	**136**	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:26	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:26	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	0.26	1	02/20/24 09:45	02/20/24 19:36	7440-36-0	
Arsenic	**2.3**	ug/L	1.0	0.10	1	02/20/24 09:45	02/20/24 19:36	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	02/20/24 09:45	02/20/24 19:36	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	02/20/24 09:45	02/20/24 19:36	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	02/20/24 09:45	02/20/24 19:36	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**295**	mg/L	10.0	10.0	1		02/21/24 11:07		
Alkalinity,Bicarbonate (CaCO3)	**295**	mg/L	10.0	10.0	1		02/21/24 11:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		02/21/24 11:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**640**	mg/L	10.0	10.0	1		02/21/24 08:27		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18 I **Lab ID: 50365995002** Collected: 02/15/24 10:00 Received: 02/16/24 07:53 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	**7.2**	Std. Units	0.10	0.10	1		03/01/24 13:04		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		02/21/24 10:26	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.14	1		02/16/24 15:24	15438-31-0	H3,N2
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		02/16/24 12:53	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		02/16/24 12:53	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	02/29/24 10:00	02/29/24 16:49		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.2**	mg/L	1.0	0.25	1		02/29/24 04:39	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.6**	mg/L	1.0	0.25	1		02/28/24 02:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18 S **Lab ID: 50365995003** Collected: 02/15/24 11:40 Received: 02/16/24 07:53 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	**132**	mg/L	2.5	0.67	10		02/23/24 10:59	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.017	1		02/23/24 10:43	16984-48-8	
Sulfate	**80.1**	mg/L	2.5	1.9	10		02/23/24 10:59	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	02/20/24 21:00	02/22/24 00:04	7429-90-5	
Barium	**237**	ug/L	10.0	0.45	1	02/20/24 21:00	02/22/24 00:04	7440-39-3	
Boron	**214**	ug/L	100	6.2	1	02/20/24 21:00	02/22/24 00:04	7440-42-8	
Calcium	**92500**	ug/L	1000	67.7	1	02/20/24 21:00	02/22/24 00:04	7440-70-2	
Iron	**1970**	ug/L	100	30.0	1	02/20/24 21:00	02/22/24 00:04	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	02/20/24 21:00	02/22/24 00:04	7439-93-2	
Magnesium	**28100**	ug/L	1000	33.6	1	02/20/24 21:00	02/22/24 00:04	7439-95-4	
Manganese	**315**	ug/L	10.0	1.8	1	02/20/24 21:00	02/22/24 00:04	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	02/20/24 21:00	02/22/24 00:04	7439-98-7	
Potassium	**7580**	ug/L	1000	97.8	1	02/20/24 21:00	02/22/24 00:04	7440-09-7	
Silica	**9960**	ug/L	450		1	02/20/24 21:00	02/22/24 00:04	7631-86-9	N2
Sodium	**81900**	ug/L	1000	54.8	1	02/20/24 21:00	02/22/24 00:04	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**1970**	ug/L	100	18.1	1	02/21/24 10:51	02/21/24 11:32	7439-89-6	
Manganese, Dissolved	**322**	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:32	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:32	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	0.26	1	02/20/24 09:45	02/20/24 19:20	7440-36-0	
Arsenic	**1.7**	ug/L	1.0	0.10	1	02/20/24 09:45	02/20/24 19:20	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	02/20/24 09:45	02/20/24 19:20	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	02/20/24 09:45	02/20/24 19:20	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	02/20/24 09:45	02/20/24 19:20	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		02/21/24 11:07		
Alkalinity,Bicarbonate (CaCO3)	**273**	mg/L	10.0	10.0	1		02/21/24 11:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		02/21/24 11:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**611**	mg/L	10.0	10.0	1		02/21/24 08:27		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18 S **Lab ID: 50365995003** Collected: 02/15/24 11:40 Received: 02/16/24 07:53 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	**7.5**	Std. Units	0.10	0.10	1		03/01/24 13:06		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		02/21/24 10:26	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	**1.5**	mg/L	0.20	0.14	1		02/16/24 15:25	15438-31-0	H3,N2
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		02/16/24 12:59	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		02/16/24 12:59	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	02/29/24 10:00	02/29/24 16:46		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**2.2**	mg/L	1.0	0.25	1		02/29/24 05:15	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.2**	mg/L	1.0	0.25	1		02/28/24 03:27		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: DUP-1 **Lab ID: 50365995004** Collected: 02/15/24 08:00 Received: 02/16/24 07:53 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	**168**	mg/L	2.5	0.67	10		02/23/24 12:27	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.017	1		02/23/24 12:08	16984-48-8	
Sulfate	**70.4**	mg/L	2.5	1.9	10		02/23/24 12:27	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Aluminum	ND	ug/L	200	14.1	1	02/20/24 21:00	02/22/24 00:05	7429-90-5	
Barium	**481**	ug/L	10.0	0.45	1	02/20/24 21:00	02/22/24 00:05	7440-39-3	
Boron	**625**	ug/L	100	6.2	1	02/20/24 21:00	02/22/24 00:05	7440-42-8	
Calcium	**136000**	ug/L	1000	67.7	1	02/20/24 21:00	02/22/24 00:05	7440-70-2	
Iron	**5750**	ug/L	100	30.0	1	02/20/24 21:00	02/22/24 00:05	7439-89-6	
Lithium	ND	ug/L	20.0	6.8	1	02/20/24 21:00	02/22/24 00:05	7439-93-2	
Magnesium	**37100**	ug/L	1000	33.6	1	02/20/24 21:00	02/22/24 00:05	7439-95-4	
Manganese	**63.7**	ug/L	10.0	1.8	1	02/20/24 21:00	02/22/24 00:05	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	02/20/24 21:00	02/22/24 00:05	7439-98-7	
Potassium	**5350**	ug/L	1000	97.8	1	02/20/24 21:00	02/22/24 00:05	7440-09-7	
Silica	**15600**	ug/L	450		1	02/20/24 21:00	02/22/24 00:05	7631-86-9	N2
Sodium	**88900**	ug/L	1000	54.8	1	02/20/24 21:00	02/22/24 00:05	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Iron, Dissolved	**6040**	ug/L	100	18.1	1	02/21/24 10:51	02/21/24 11:34	7439-89-6	
Manganese, Dissolved	**66.9**	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:34	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	10.0	1.1	1	02/21/24 10:51	02/21/24 11:34	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	0.26	1	02/20/24 09:45	02/20/24 19:24	7440-36-0	
Arsenic	**23.6**	ug/L	1.0	0.10	1	02/20/24 09:45	02/20/24 19:24	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	02/20/24 09:45	02/20/24 19:24	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	02/20/24 09:45	02/20/24 19:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	02/20/24 09:45	02/20/24 19:24	7782-49-2	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**410**	mg/L	10.0	10.0	1		02/21/24 11:07		
Alkalinity,Bicarbonate (CaCO3)	**410**	mg/L	10.0	10.0	1		02/21/24 11:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		02/21/24 11:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Indianapolis								
Total Dissolved Solids	**809**	mg/L	10.0	10.0	1		02/21/24 08:28		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: DUP-1 **Lab ID: 50365995004** Collected: 02/15/24 08:00 Received: 02/16/24 07:53 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	**7.4**	Std. Units	0.10	0.10	1		03/01/24 13:07		H3
4500S2D Sulfide Water	Analytical Method: SM 4500-S2-D Pace Analytical Services - Indianapolis								
Sulfide	ND	mg/L	0.10	0.025	1		02/21/24 10:26	18496-25-8	
Iron, Ferrous	Analytical Method: HACH 8146 Pace Analytical Services - Indianapolis								
Iron, Ferrous	ND	mg/L	0.20	0.14	1		02/16/24 15:10	15438-31-0	H3,N2
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		02/16/24 12:47	14797-55-8	
Nitrogen, Nitrite	ND	mg/L	0.10	0.0040	1		02/16/24 12:47	14797-65-0	
365.1 Total Phosphorus	Analytical Method: EPA 365.1 Preparation Method: EPA 365.1 Pace Analytical Services - Indianapolis								
Phosphate as P04	ND	mg/L	0.15	0.15	1	02/29/24 10:00	02/29/24 16:46		
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Total Organic Carbon	**3.9**	mg/L	1.0	0.25	1		02/29/24 05:26	7440-44-0	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.4**	mg/L	1.0	0.25	1		02/28/24 03:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776398
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995003, 50365995004

METHOD BLANK: 3554078 Matrix: Water
Associated Lab Samples: 50365995001, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	02/23/24 13:06	
Fluoride	mg/L	ND	0.10	0.017	02/23/24 13:06	
Sulfate	mg/L	ND	0.25	0.19	02/23/24 13:06	

LABORATORY CONTROL SAMPLE: 3554079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	99	80-120	
Fluoride	mg/L	1	0.96	96	80-120	
Sulfate	mg/L	5	4.6	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3554080 3554081

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	170			182	178				2	15	M0
Fluoride	mg/L	0.15			1.1	1.1				0	15	
Sulfate	mg/L	68.7			116	112				4	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 778489
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995002

METHOD BLANK: 3562855 Matrix: Water
Associated Lab Samples: 50365995002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	03/05/24 13:30	
Fluoride	mg/L	ND	0.10	0.017	03/05/24 13:30	
Sulfate	mg/L	ND	0.25	0.19	03/05/24 13:30	

LABORATORY CONTROL SAMPLE: 3562856

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	1.0	101	80-120	
Sulfate	mg/L	5	4.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562857 3562858

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	170	25	25	191	191	86	87	80-120	0	15	
Fluoride	mg/L	0.15	1	1	1.2	1.2	106	105	80-120	1	15	
Sulfate	mg/L	68.7	50	50	115	115	93	92	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562859 3562860

Parameter	Units	50367043001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	18.7	2.5	2.5	21.2	21.2	98	98	80-120	0	15	
Fluoride	mg/L	2.1	1	1	3.1	3.1	100	101	80-120	0	15	
Sulfate	mg/L	<2.0	5	5	4.6	4.6	91	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776094
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

METHOD BLANK: 3553028 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	14.1	02/21/24 23:24	
Barium	ug/L	ND	10.0	0.45	02/21/24 23:24	
Boron	ug/L	ND	100	6.2	02/21/24 23:24	
Calcium	ug/L	ND	1000	67.7	02/21/24 23:24	
Iron	ug/L	ND	100	30.0	02/21/24 23:24	
Lithium	ug/L	ND	20.0	6.8	02/21/24 23:24	
Magnesium	ug/L	ND	1000	33.6	02/21/24 23:24	
Manganese	ug/L	ND	10.0	1.8	02/21/24 23:24	
Molybdenum	ug/L	ND	10.0	0.78	02/21/24 23:24	
Potassium	ug/L	ND	1000	97.8	02/21/24 23:24	
Silica	ug/L	ND	450		02/21/24 23:24	N2
Sodium	ug/L	ND	1000	54.8	02/21/24 23:24	

LABORATORY CONTROL SAMPLE: 3553029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9690	97	80-120	
Barium	ug/L	1000	936	94	80-120	
Boron	ug/L	1000	959	96	80-120	
Calcium	ug/L	10000	9810	98	80-120	
Iron	ug/L	10000	9560	96	80-120	
Lithium	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	9590	96	80-120	
Manganese	ug/L	1000	987	99	80-120	
Molybdenum	ug/L	1000	995	100	80-120	
Potassium	ug/L	10000	9590	96	80-120	
Silica	ug/L	10700	10600	99	80-120	N2
Sodium	ug/L	10000	9370	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3553030 3553031

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10200	9790	100	97	75-125	4	20	
Barium	ug/L	445	1000	1000	1410	1370	96	93	75-125	2	20	
Boron	ug/L	387	1000	1000	1420	1390	104	100	75-125	3	20	
Calcium	ug/L	98100	10000	10000	109000	107000	106	85	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3553030 3553031

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	3070	10000	10000	12900	12500	98	95	75-125	3	20	
Lithium	ug/L	ND	1000	1000	1050	1020	103	100	75-125	3	20	
Magnesium	ug/L	31300	10000	10000	41200	40300	99	90	75-125	2	20	
Manganese	ug/L	137	1000	1000	1140	1110	100	97	75-125	3	20	
Molybdenum	ug/L	ND	1000	1000	1050	1020	105	101	75-125	3	20	
Potassium	ug/L	9330	10000	10000	19300	18900	100	96	75-125	2	20	
Silica	ug/L	13500	10700	10700	25000	24300	107	101	75-125	3	20	N2
Sodium	ug/L	92900	10000	10000	103000	101000	102	80	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776616
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

METHOD BLANK: 3554901 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Dissolved	ug/L	ND	100	18.1	02/21/24 11:22	
Manganese, Dissolved	ug/L	ND	10.0	1.1	02/21/24 11:22	
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	02/21/24 11:22	

LABORATORY CONTROL SAMPLE: 3554902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	11600	116	80-120	
Manganese, Dissolved	ug/L	1000	1170	117	80-120	
Molybdenum, Dissolved	ug/L	1000	1130	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3554903 3554904

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	2940	10000	10000	13600	13700	106	108	75-125	1	20	
Manganese, Dissolved	ug/L	136	1000	1000	1200	1210	106	108	75-125	1	20	
Molybdenum, Dissolved	ug/L	ND	1000	1000	1050	1070	105	106	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776021
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

METHOD BLANK: 3552718 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.26	02/20/24 15:55	
Arsenic	ug/L	ND	1.0	0.10	02/20/24 15:55	
Beryllium	ug/L	ND	0.20	0.020	02/20/24 15:55	
Cobalt	ug/L	ND	1.0	0.060	02/20/24 15:55	
Selenium	ug/L	ND	1.0	0.36	02/20/24 15:55	

LABORATORY CONTROL SAMPLE: 3552719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.6	107	80-120	
Arsenic	ug/L	40	40.0	100	80-120	
Beryllium	ug/L	40	40.9	102	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3552720 3552721

Parameter	Units	50365995002 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	44.0	44.0	110	110	75-125	0	20	
Arsenic	ug/L	2.3	40	40	42.0	43.0	99	102	75-125	2	20	
Beryllium	ug/L	ND	40	40	40.7	41.3	102	103	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.9	39.8	99	99	75-125	0	20	
Selenium	ug/L	ND	40	40	41.0	41.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776545 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

METHOD BLANK: 3554600 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	02/21/24 11:07	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	02/21/24 11:07	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	02/21/24 11:07	

LABORATORY CONTROL SAMPLE: 3554601

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: 3554602

Parameter	Units	50365981003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	448	450	0	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	448	450	0	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3554603

Parameter	Units	50365995002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	295	292	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	295	292	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776532
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001

METHOD BLANK: 3554574 Matrix: Water
Associated Lab Samples: 50365995001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/21/24 08:48	

LABORATORY CONTROL SAMPLE: 3554575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	80-120	

SAMPLE DUPLICATE: 3554576

Parameter	Units	50365973001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	859	855	0	10	

SAMPLE DUPLICATE: 3554577

Parameter	Units	50365973003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	850	851	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776534
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995002, 50365995003, 50365995004

METHOD BLANK: 3554582 Matrix: Water
Associated Lab Samples: 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/21/24 08:25	

LABORATORY CONTROL SAMPLE: 3554583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	285	95	80-120	

SAMPLE DUPLICATE: 3554584

Parameter	Units	50365995002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	640	648	1	10	

SAMPLE DUPLICATE: 3554585

Parameter	Units	50366022001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	523	526	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 778285
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: 50365995001, 50365995002, 50365995003, 50365995004

SAMPLE DUPLICATE: 3561978

Parameter	Units	50365995002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.3	1	2	H3

SAMPLE DUPLICATE: 3561979

Parameter	Units	50366179004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.1	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776052
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001

METHOD BLANK: 3552889 Matrix: Water
Associated Lab Samples: 50365995001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	02/17/24 15:45	

LABORATORY CONTROL SAMPLE: 3552890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3552891 3552892

Parameter	Units	50366056001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.55	0.53	109	106	90-110	3	20	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 776564
QC Batch Method: SM 4500-S2-D
Analysis Method: SM 4500-S2-D
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995002, 50365995003, 50365995004

METHOD BLANK: 3554686 Matrix: Water
Associated Lab Samples: 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.025	02/21/24 10:26	

LABORATORY CONTROL SAMPLE: 3554687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.54	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3554688 3554689

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.30	0.28	58	55	90-110	5	20	M3

MATRIX SPIKE SAMPLE: 3554690

Parameter	Units	50366179003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.025J	0.5	0.59	113	90-110	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 775953
QC Batch Method: HACH 8146
Analysis Method: HACH 8146
Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

METHOD BLANK: 3552264 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.20	0.14	02/16/24 14:43	H3,N2

LABORATORY CONTROL SAMPLE: 3552265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1	1.0	100	90-110	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3552266 3552267

Parameter	Units	50365772001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.1	98	100	90-110	2	20	H3,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3552268 3552269

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	1	1	1.1	1.1	101	100	90-110	1	20	H3,N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 775926
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: 50365995001, 50365995002, 50365995003, 50365995004

METHOD BLANK: 3552090 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	02/16/24 10:36	
Nitrogen, Nitrite	mg/L	ND	0.10	0.0040	02/16/24 10:36	

LABORATORY CONTROL SAMPLE: 3552091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	108	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3552092 3552093

Parameter	Units	50365995002 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	107	106	90-110	1	20	
Nitrogen, Nitrite	mg/L	ND	1	1	1.1	1.1	107	107	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 777955
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995003, 50365995004

METHOD BLANK: 3560569 Matrix: Water
Associated Lab Samples: 50365995001, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	02/29/24 16:30	

LABORATORY CONTROL SAMPLE: 3560570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3560571 3560572

Parameter	Units	50365981003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			3.2	1.6				69		

MATRIX SPIKE SAMPLE: 3560573

Parameter	Units	50365995001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L	ND		1.6			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 777956
QC Batch Method: EPA 365.1
Analysis Method: EPA 365.1
Analysis Description: 365.1 Total Phosphorus
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995002

METHOD BLANK: 3560574 Matrix: Water
Associated Lab Samples: 50365995002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphate as P04	mg/L	ND	0.15	0.15	02/29/24 16:47	

LABORATORY CONTROL SAMPLE: 3560575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphate as P04	mg/L		1.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3560576 3560577

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphate as P04	mg/L	ND			1.6	1.7				5		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 777834
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

METHOD BLANK: 3560051 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	0.25	02/29/24 00:15	

LABORATORY CONTROL SAMPLE: 3560052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3560053 3560054

Parameter	Units	50366047012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	<2000 ug/L	10	10	10.5	10.4	92	92	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3560055 3560056

Parameter	Units	50365995002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.2	10	10	12.4	12.5	92	93	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 777429
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995001

METHOD BLANK: 3558559 Matrix: Water
Associated Lab Samples: 50365995001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	02/26/24 19:18	

LABORATORY CONTROL SAMPLE: 3558560

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3558561 3558562

Parameter	Units	50365772001 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	1.6	10	10	10.8	10.7	92	91	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3558563 3558564

Parameter	Units	50365981003 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	2.6	10	10	12.0	11.7	94	91	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 777633
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50365995002, 50365995003, 50365995004

METHOD BLANK: 3559229 Matrix: Water
Associated Lab Samples: 50365995002, 50365995003, 50365995004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	02/28/24 02:03	

LABORATORY CONTROL SAMPLE: 3559230

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: 3559231 3559232

Parameter	Units	50365995002 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	3.6	10	10	13.0	13.2	94	96	80-120	2	20	

MATRIX SPIKE SAMPLE: 3559233

Parameter	Units	50366179004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	9.1	10	19.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18D **Lab ID: 50365995001** Collected: 02/14/24 11:20 Received: 02/16/24 07:53 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	**1.08 ± 0.708 (0.992) C:NA T:86%**	pCi/L	03/08/24 14:18		
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.21 ± 0.475 (0.702) C:78% T:82%**	pCi/L	03/08/24 14:30		
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.29 ± 1.18 (1.69)**	pCi/L	03/12/24 15:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18 I **Lab ID: 50365995002** Collected: 02/15/24 10:00 Received: 02/16/24 07:53 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	**1.16 ± 0.666 (0.922) C:NA T:91%**	pCi/L	03/08/24 14:18		
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.78 ± 0.579 (0.780) C:76% T:90%**	pCi/L	03/08/24 14:30		
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.94 ± 1.25 (1.70)**	pCi/L	03/12/24 15:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18 S **Lab ID: 50365995003** Collected: 02/15/24 11:40 Received: 02/16/24 07:53 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	**1.09 ± 0.744 (1.06) C:NA T:84%**	pCi/L	03/08/24 14:18		
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.07 ± 0.477 (0.778) C:79% T:82%**	pCi/L	03/08/24 14:30		
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.16 ± 1.22 (1.84)**	pCi/L	03/12/24 15:20		

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: DUP-1 **Lab ID: 50365995004** Collected: 02/15/24 08:00 Received: 02/16/24 07:53 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	**1.36 ± 0.783 (1.03) C:NA T:91%**	pCi/L	03/08/24 14:31		
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.03 ± 0.445 (0.711) C:79% T:84%**	pCi/L	03/08/24 14:30		
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.39 ± 1.23 (1.74)**	pCi/L	03/12/24 15:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18I MS **Lab ID: 50365995005** Collected: 02/15/24 10:00 Received: 02/16/24 07:53 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	**92.70 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/08/24 14:31		
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**94.82 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/08/24 14:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Sample: MW-18I MSD **Lab ID: 50365995006** Collected: 02/15/24 10:00 Received: 02/16/24 07:53 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	**99.15 %REC 6.72RPD ± NA (NA) C:NA T:NA**	pCi/L	03/08/24 14:31		
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**84.03 %REC 12.07RPD ± NA (NA) C:NA T:NA**	pCi/L	03/08/24 14:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 650430
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: 50365995001, 50365995002, 50365995003, 50365995004, 50365995005, 50365995006

METHOD BLANK: 3169491 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004, 50365995005, 50365995006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.166 ± 0.231 (0.386) C:NA T:98%	pCi/L	03/08/24 14:18	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street Nov 2023
Pace Project No.: 50365995

QC Batch: 650431
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: 50365995001, 50365995002, 50365995003, 50365995004, 50365995005, 50365995006

METHOD BLANK: 3169492 Matrix: Water
Associated Lab Samples: 50365995001, 50365995002, 50365995003, 50365995004, 50365995005, 50365995006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.307 ± 0.284 (0.573) C:83% T:91%	pCi/L	03/08/24 11:29	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street Nov 2023
Pace Project No.: 50365995

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50365995001	**MW-18D**	EPA 9056	776398		
50365995002	**MW-18 I**	EPA 9056	778489		
50365995003	**MW-18 S**	EPA 9056	776398		
50365995004	**DUP-1**	EPA 9056	776398		
50365995001	**MW-18D**	EPA 3010	776094	EPA 6010	776770
50365995002	**MW-18 I**	EPA 3010	776094	EPA 6010	776770
50365995003	**MW-18 S**	EPA 3010	776094	EPA 6010	776770
50365995004	**DUP-1**	EPA 3010	776094	EPA 6010	776770
50365995001	**MW-18D**	EPA 3010	776616	EPA 6010	776617
50365995002	**MW-18 I**	EPA 3010	776616	EPA 6010	776617
50365995003	**MW-18 S**	EPA 3010	776616	EPA 6010	776617
50365995004	**DUP-1**	EPA 3010	776616	EPA 6010	776617
50365995001	**MW-18D**	EPA 200.2	776021	EPA 6020	776449
50365995002	**MW-18 I**	EPA 200.2	776021	EPA 6020	776449
50365995003	**MW-18 S**	EPA 200.2	776021	EPA 6020	776449
50365995004	**DUP-1**	EPA 200.2	776021	EPA 6020	776449
50365995001	**MW-18D**	EPA 903.1	650430		
50365995002	**MW-18 I**	EPA 903.1	650430		
50365995003	**MW-18 S**	EPA 903.1	650430		
50365995004	**DUP-1**	EPA 903.1	650430		
50365995005	**MW-18I MS**	EPA 903.1	650430		
50365995006	**MW-18I MSD**	EPA 903.1	650430		
50365995001	**MW-18D**	EPA 904.0	650431		
50365995002	**MW-18 I**	EPA 904.0	650431		
50365995003	**MW-18 S**	EPA 904.0	650431		
50365995004	**DUP-1**	EPA 904.0	650431		
50365995005	**MW-18I MS**	EPA 904.0	650431		
50365995006	**MW-18I MSD**	EPA 904.0	650431		
50365995001	**MW-18D**	Total Radium Calculation	654585		
50365995002	**MW-18 I**	Total Radium Calculation	654585		
50365995003	**MW-18 S**	Total Radium Calculation	654585		
50365995004	**DUP-1**	Total Radium Calculation	654585		
50365995001	**MW-18D**	SM 2320B	776545		
50365995002	**MW-18 I**	SM 2320B	776545		
50365995003	**MW-18 S**	SM 2320B	776545		
50365995004	**DUP-1**	SM 2320B	776545		
50365995001	**MW-18D**	SM 2540C	776532		
50365995002	**MW-18 I**	SM 2540C	776534		
50365995003	**MW-18 S**	SM 2540C	776534		
50365995004	**DUP-1**	SM 2540C	776534		
50365995001	**MW-18D**	SM 4500-H+B	778285		
50365995002	**MW-18 I**	SM 4500-H+B	778285		
50365995003	**MW-18 S**	SM 4500-H+B	778285		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street Nov 2023
Pace Project No.: 50365995

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50365995004	**DUP-1**	SM 4500-H+B	778285		
50365995001	**MW-18D**	SM 4500-S2-D	776052		
50365995002	**MW-18 I**	SM 4500-S2-D	776564		
50365995003	**MW-18 S**	SM 4500-S2-D	776564		
50365995004	**DUP-1**	SM 4500-S2-D	776564		
50365995001	**MW-18D**	HACH 8146	775953		
50365995002	**MW-18 I**	HACH 8146	775953		
50365995003	**MW-18 S**	HACH 8146	775953		
50365995004	**DUP-1**	HACH 8146	775953		
50365995001	**MW-18D**	EPA 353.2	775926		
50365995002	**MW-18 I**	EPA 353.2	775926		
50365995003	**MW-18 S**	EPA 353.2	775926		
50365995004	**DUP-1**	EPA 353.2	775926		
50365995001	**MW-18D**	EPA 365.1	777955	EPA 365.1	778142
50365995002	**MW-18 I**	EPA 365.1	777956	EPA 365.1	778143
50365995003	**MW-18 S**	EPA 365.1	777955	EPA 365.1	778142
50365995004	**DUP-1**	EPA 365.1	777955	EPA 365.1	778142
50365995001	**MW-18D**	SM 5310C	777834		
50365995002	**MW-18 I**	SM 5310C	777834		
50365995003	**MW-18 S**	SM 5310C	777834		
50365995004	**DUP-1**	SM 5310C	777834		
50365995001	**MW-18D**	SM 5310C	777429		
50365995002	**MW-18 I**	SM 5310C	777633		
50365995003	**MW-18 S**	SM 5310C	777633		
50365995004	**DUP-1**	SM 5310C	777633		

WO# : 50365995

50365995

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

...dgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Informa...	Required Project Information:	Section C Invoice Information:
Company: AES/IPL Petersburg	Report To: Mark Breting	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-313-8306 Fax:	Project Name: Harding Street Nov 2023	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date:	Project #:	Pace Profile #: 10498-48

Regulatory Agency	
State / Location	
	IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020	FF Metals by 6010 WD	TOC 5310	DOC, Field Filtered 5310C	Alkalinity/pH/Ferrous Fe	TDS 2540C	9056 IC (Cl, F, SO4)	Sulfide 4500S2D	Phosphorus, Total 385.1	Rad226/Rad228	NO2/NO3 by 3532	Residual Chlorine (Y/N)	
1	mw-18D	WT				2.14.24	1120		11	3	3	4		1					x	x	x	x	x	x	x	x	x	x		001
2	mw-18I	WT				2.15.24	1000												x	x	x	x	x	x	x	x	x	x		002
3	mw-18S	WT					1140												x	x	x	x	x	x	x	x	x	x		003
4	MS-1	WT					1000												x	x	x	x	x	x	x	x	x	x		
5	MSD-1	WT					1000												x	x	x	x	x	x	x	x	x	x		
6	Dup-1	WT				2.14.24	-												x	x	x	x	x	x	x	x	x	x		004
7		WT																	x	x	x	x	x	x	x	x	x	x		
8		WT																	x	x	x	x	x	x	x	x	x	x		
9		WT																	x	x	x	x	x	x	x	x	x	x		
10		WT																	x	x	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x	x	x		
12																			x	x	x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO2/NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	J Hill/ATCGS	2.16.24	0753	CR Pace	2-16-24	0753	6.5	Y	N	Y
6020 - Be,Co, As, Se, Sb (5)							1.7			
6010 - Al, Ba, B, Fe, Mn, Mo, Ca, Mg, Na, K, Li, Sila (12)										
6010 diss - Fe, Mn, Mo (3)										
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Hill

SIGNATURE of SAMPLER: J Hill

DATE Signed: 2.15.24

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 2-16-24 0835 CRR

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C (D) E F G H

4. **Cooler Temperature(s):** 0.6 | 0.5 | 1.8 | 1.7 | | | | |
(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. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

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: 0925	
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)			—
Headspace Wisconsin Sulfide?			—
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		—	
Trip Blank Custody Seals?:			—

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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	1	1	1		1				WT
2												3	3			6	4	5	3	3	3		3				WT
3												1	1			2	2	1	1	1	1		1				WT
4																											
5																											
6												1	1			2	1	2	1	1	1		1				WT
7																											
8																											
9																											
10																											
11																											
12																											

Matrix	Nitric Red	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/ZnAc >9
WT	✓	✓		✓
WT	↓	↓		↓
WT	↓	↓		↓
WT	✓	✓		✓

Container Codes

Glass

DG9H	40mL HCl amber voa vial
DG9P	40mL TSP amber vial
DG9S	40mL H2SO4 amber vial
DG9T	40mL Na Thio amber vial
DG9U	40mL unpreserved amber vial
VG9H	40mL HCl clear vial
VG9T	40mL Na Thio. clear vial
VG9U	40mL unpreserved clear vial
I	40mL w/hexane wipe vial
WGKU	8oz unpreserved clear jar
WGFU	4oz clear soil jar
JGFU	4oz unpreserved amber wide
CG3H	250mL clear glass HCl
CG3F	250mL clear glass HCl, Field Filter
BG1H	1L HCl clear glass
BG1S	1L H2SO4 clear glass

BG1T	glass
BG1U	1L unpreserved glass
CG3U	250mL Unpres Clear Glass
AG0U	100mL unpres amber glass
AG1H	1L HCl amber glass
AG1S	1L H2SO4 amber glass
AG1T	1L Na Thiosulfate amber glass
AG1U	1liter unpres amber glass
AG2N	500mL HNO3 amber glass
AG2S	500mL H2SO4 amber glass
AG2U	500mL unpres amber glass
AG3S	250mL H2SO4 amber glass
AG3SF	250mL H2SO4 amb glass -field filtered
AG3U	250mL unpres amber 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
BP3R	250mL Unpres. FF SO4/OH buffer

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

May 2024

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 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,

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: Harding Street May 2024 P1R3
Pace Project No.: 50371989

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50371989001	**MW-16S**	Water	05/01/24 12:55	05/01/24 17:15
50371989002	**MW-16D**	Water	05/01/24 15:10	05/01/24 17:15
50371989003	**MW-18I**	Water	05/01/24 13:28	05/01/24 17:15
50371989004	**Dup-8**	Water	05/01/24 08:00	05/01/24 17:15

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50371989001	**MW-16S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50371989002	**MW-16D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50371989003	**MW-18I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50371989004	**Dup-8**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50371989001	**MW-16S**					
EPA 9056	Chloride	242	mg/L	2.5	05/14/24 00:19	
EPA 9056	Fluoride	0.46	mg/L	0.10	05/14/24 00:02	
EPA 9056	Sulfate	178	mg/L	2.5	05/14/24 00:19	
EPA 6010	Barium	84.7	ug/L	10.0	05/07/24 18:55	
EPA 6010	Boron	437	ug/L	100	05/07/24 18:55	
EPA 6010	Calcium	118000	ug/L	1000	05/07/24 18:55	
EPA 6010	Lithium	26.0	ug/L	20.0	05/07/24 18:55	
EPA 6010	Magnesium	27500	ug/L	1000	05/07/24 18:55	
EPA 6010	Manganese	500	ug/L	10.0	05/07/24 18:55	
EPA 6010	Molybdenum	156	ug/L	10.0	05/07/24 18:55	
EPA 6010	Potassium	7480	ug/L	1000	05/07/24 18:55	
EPA 6010	Sodium	148000	ug/L	1000	05/07/24 18:55	
EPA 6010	Molybdenum, Dissolved	157	ug/L	10.0	05/08/24 20:00	
EPA 6020	Cobalt	1.3	ug/L	1.0	05/04/24 00:04	
EPA 903.1	Radium-226	0.546 ± 0.574 (0.911) C:NA T:84%	pCi/L		05/22/24 14:39	
EPA 904.0	Radium-228	0.506 ± 0.452 (0.918) C:76% T:81%	pCi/L		05/16/24 15:58	
Total Radium Calculation	Total Radium	1.05 ± 1.03 (1.83)	pCi/L		05/28/24 14:47	
SM 2320B	Alkalinity, Total as CaCO3	290	mg/L	10.0	05/02/24 22:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	290	mg/L	10.0	05/02/24 22:09	
SM 2540C	Total Dissolved Solids	856	mg/L	20.0	05/06/24 11:42	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	05/07/24 15:23	H3
SM 5310C	Dissolved Organic Carbon	2.4	mg/L	1.0	05/07/24 21:10	
50371989002	**MW-16D**					
EPA 9056	Chloride	161	mg/L	2.5	05/14/24 02:21	
EPA 9056	Fluoride	0.51	mg/L	0.10	05/14/24 02:04	
EPA 9056	Sulfate	494	mg/L	2.5	05/14/24 02:21	
EPA 6010	Barium	246	ug/L	10.0	05/07/24 18:57	
EPA 6010	Boron	1640	ug/L	100	05/07/24 18:57	
EPA 6010	Calcium	222000	ug/L	2000	05/07/24 21:12	
EPA 6010	Iron	12500	ug/L	100	05/07/24 18:57	
EPA 6010	Magnesium	67700	ug/L	1000	05/07/24 18:57	
EPA 6010	Manganese	2610	ug/L	10.0	05/07/24 18:57	
EPA 6010	Molybdenum	12.1	ug/L	10.0	05/07/24 18:57	
EPA 6010	Potassium	3620	ug/L	1000	05/07/24 18:57	
EPA 6010	Sodium	52700	ug/L	1000	05/07/24 18:57	
EPA 6010	Molybdenum, Dissolved	12.6	ug/L	10.0	05/08/24 20:02	
EPA 6020	Arsenic	45.4	ug/L	1.0	05/04/24 00:08	
EPA 903.1	Radium-226	0.485 ± 0.479 (0.728) C:NA T:89%	pCi/L		05/22/24 14:39	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50371989002	**MW-16D**					
EPA 904.0	Radium-228	0.353 ± 0.388 (0.811) C:83% T:80%	pCi/L		05/16/24 15:58	
Total Radium Calculation	Total Radium	0.838 ± 0.867 (1.54)	pCi/L		05/28/24 14:47	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	05/02/24 22:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	05/02/24 22:09	
SM 2540C	Total Dissolved Solids	1080	mg/L	20.0	05/06/24 11:42	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	05/07/24 15:24	H3
SM 5310C	Dissolved Organic Carbon	4.3	mg/L	1.0	05/07/24 21:30	
50371989003	**MW-18I**					
EPA 9056	Chloride	167	mg/L	2.5	05/14/24 03:13	
EPA 9056	Fluoride	0.17	mg/L	0.10	05/14/24 02:56	
EPA 9056	Sulfate	78.0	mg/L	2.5	05/14/24 03:13	
EPA 6010	Barium	451	ug/L	10.0	05/07/24 18:59	
EPA 6010	Boron	376	ug/L	100	05/07/24 18:59	
EPA 6010	Calcium	92200	ug/L	1000	05/07/24 18:59	
EPA 6010	Iron	2800	ug/L	100	05/07/24 18:59	
EPA 6010	Magnesium	29500	ug/L	1000	05/07/24 18:59	
EPA 6010	Manganese	121	ug/L	10.0	05/07/24 18:59	
EPA 6010	Potassium	9110	ug/L	1000	05/07/24 18:59	
EPA 6010	Sodium	97500	ug/L	1000	05/07/24 18:59	
EPA 6020	Arsenic	2.3	ug/L	1.0	05/04/24 00:12	
EPA 903.1	Radium-226	2.37 ± 0.913 (0.982) C:NA T:87%	pCi/L		05/22/24 14:39	
EPA 904.0	Radium-228	1.90 ± 0.606 (0.785) C:81% T:80%	pCi/L		05/16/24 15:58	
Total Radium Calculation	Total Radium	4.27 ± 1.52 (1.77)	pCi/L		05/28/24 14:47	
SM 2320B	Alkalinity, Total as CaCO3	295	mg/L	10.0	05/02/24 22:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	295	mg/L	10.0	05/02/24 22:09	
SM 2540C	Total Dissolved Solids	620	mg/L	10.0	05/06/24 11:42	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	05/07/24 15:25	H3
SM 5310C	Dissolved Organic Carbon	2.8	mg/L	1.0	05/07/24 21:50	
50371989004	**Dup-8**					
EPA 9056	Chloride	240	mg/L	2.5	05/14/24 04:06	
EPA 9056	Fluoride	0.44	mg/L	0.10	05/14/24 03:48	
EPA 9056	Sulfate	176	mg/L	2.5	05/14/24 04:06	
EPA 6010	Barium	84.7	ug/L	10.0	05/07/24 19:01	
EPA 6010	Boron	436	ug/L	100	05/07/24 19:01	
EPA 6010	Calcium	119000	ug/L	1000	05/07/24 19:01	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50371989004	**Dup-8**					
EPA 6010	Lithium	30.1	ug/L	20.0	05/07/24 19:01	
EPA 6010	Magnesium	27500	ug/L	1000	05/07/24 19:01	
EPA 6010	Manganese	501	ug/L	10.0	05/07/24 19:01	
EPA 6010	Molybdenum	155	ug/L	10.0	05/07/24 19:01	
EPA 6010	Potassium	7620	ug/L	1000	05/07/24 19:01	
EPA 6010	Sodium	149000	ug/L	1000	05/07/24 19:01	
EPA 6010	Molybdenum, Dissolved	156	ug/L	10.0	05/08/24 20:06	
EPA 6020	Cobalt	1.3	ug/L	1.0	05/04/24 00:24	
EPA 903.1	Radium-226	1.01 ± 0.619 (0.728) C:NA T:78%	pCi/L		05/22/24 14:39	
EPA 904.0	Radium-228	0.698 ± 0.462 (0.880) C:78% T:75%	pCi/L		05/16/24 15:59	
Total Radium Calculation	Total Radium	1.71 ± 1.08 (1.61)	pCi/L		05/28/24 14:47	
SM 2320B	Alkalinity, Total as CaCO3	289	mg/L	10.0	05/02/24 22:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	289	mg/L	10.0	05/02/24 22:09	
SM 2540C	Total Dissolved Solids	858	mg/L	20.0	05/06/24 11:43	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/07/24 15:26	H3
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	05/07/24 22:17	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-16S **Lab ID: 50371989001** Collected: 05/01/24 12:55 Received: 05/01/24 17:15 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	**242**	mg/L	2.5	0.67	10		05/14/24 00:19	16887-00-6	
Fluoride	**0.46**	mg/L	0.10	0.017	1		05/14/24 00:02	16984-48-8	
Sulfate	**178**	mg/L	2.5	1.9	10		05/14/24 00:19	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**84.7**	ug/L	10.0	1.6	1	05/04/24 08:10	05/07/24 18:55	7440-39-3	
Boron	**437**	ug/L	100	11.4	1	05/04/24 08:10	05/07/24 18:55	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/04/24 08:10	05/07/24 18:55	7440-43-9	
Calcium	**118000**	ug/L	1000	56.7	1	05/04/24 08:10	05/07/24 18:55	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/04/24 08:10	05/07/24 18:55	7440-47-3	
Iron	ND	ug/L	100	18.1	1	05/04/24 08:10	05/07/24 18:55	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/04/24 08:10	05/07/24 18:55	7439-92-1	
Lithium	**26.0**	ug/L	20.0	5.1	1	05/04/24 08:10	05/07/24 18:55	7439-93-2	
Magnesium	**27500**	ug/L	1000	32.8	1	05/04/24 08:10	05/07/24 18:55	7439-95-4	
Manganese	**500**	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 18:55	7439-96-5	
Molybdenum	**156**	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 18:55	7439-98-7	
Potassium	**7480**	ug/L	1000	120	1	05/04/24 08:10	05/07/24 18:55	7440-09-7	
Sodium	**148000**	ug/L	1000	48.2	1	05/04/24 08:10	05/07/24 18:55	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	1.1	1	05/08/24 07:58	05/08/24 20:00	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	0.26	1	05/03/24 07:45	05/04/24 00:04	7440-36-0	
Arsenic	ND	ug/L	1.0	0.10	1	05/03/24 07:45	05/04/24 00:04	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/03/24 07:45	05/04/24 00:04	7440-41-7	
Cobalt	**1.3**	ug/L	1.0	0.060	1	05/03/24 07:45	05/04/24 00:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/03/24 07:45	05/04/24 00:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/03/24 07:45	05/04/24 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	0.091	1	05/08/24 11:45	05/08/24 20:56	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**290**	mg/L	10.0	10.0	1		05/02/24 22:09		
Alkalinity,Bicarbonate (CaCO3)	**290**	mg/L	10.0	10.0	1		05/02/24 22:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/02/24 22:09		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-16S **Lab ID: 50371989001** Collected: 05/01/24 12:55 Received: 05/01/24 17:15 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	**856**	mg/L	20.0	20.0	1		05/06/24 11:42		
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		05/07/24 15:23		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		05/02/24 23:13	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		05/07/24 21:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-16D **Lab ID: 50371989002** Collected: 05/01/24 15:10 Received: 05/01/24 17:15 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	**161**	mg/L	2.5	0.67	10		05/14/24 02:21	16887-00-6	
Fluoride	**0.51**	mg/L	0.10	0.017	1		05/14/24 02:04	16984-48-8	
Sulfate	**494**	mg/L	2.5	1.9	10		05/14/24 02:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**246**	ug/L	10.0	1.6	1	05/04/24 08:10	05/07/24 18:57	7440-39-3	
Boron	**1640**	ug/L	100	11.4	1	05/04/24 08:10	05/07/24 18:57	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/04/24 08:10	05/07/24 18:57	7440-43-9	
Calcium	**222000**	ug/L	2000	113	2	05/04/24 08:10	05/07/24 21:12	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/04/24 08:10	05/07/24 18:57	7440-47-3	
Iron	**12500**	ug/L	100	18.1	1	05/04/24 08:10	05/07/24 18:57	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/04/24 08:10	05/07/24 18:57	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/04/24 08:10	05/07/24 18:57	7439-93-2	
Magnesium	**67700**	ug/L	1000	32.8	1	05/04/24 08:10	05/07/24 18:57	7439-95-4	
Manganese	**2610**	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 18:57	7439-96-5	
Molybdenum	**12.1**	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 18:57	7439-98-7	
Potassium	**3620**	ug/L	1000	120	1	05/04/24 08:10	05/07/24 18:57	7440-09-7	
Sodium	**52700**	ug/L	1000	48.2	1	05/04/24 08:10	05/07/24 18:57	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**12.6**	ug/L	10.0	1.1	1	05/08/24 07:58	05/08/24 20:02	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	0.26	1	05/03/24 07:45	05/04/24 00:08	7440-36-0	
Arsenic	**45.4**	ug/L	1.0	0.10	1	05/03/24 07:45	05/04/24 00:08	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/03/24 07:45	05/04/24 00:08	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/03/24 07:45	05/04/24 00:08	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/03/24 07:45	05/04/24 00:08	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/03/24 07:45	05/04/24 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	0.091	1	05/08/24 11:45	05/08/24 20:59	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**274**	mg/L	10.0	10.0	1		05/02/24 22:09		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		05/02/24 22:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/02/24 22:09		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-16D **Lab ID: 50371989002** Collected: 05/01/24 15:10 Received: 05/01/24 17:15 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	**1080**	mg/L	20.0	20.0	1		05/06/24 11:42		
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		05/07/24 15:24		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		05/02/24 23:23	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.3**	mg/L	1.0	0.25	1		05/07/24 21:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-18I **Lab ID: 50371989003** Collected: 05/01/24 13:28 Received: 05/01/24 17:15 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	**167**	mg/L	2.5	0.67	10		05/14/24 03:13	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.017	1		05/14/24 02:56	16984-48-8	
Sulfate	**78.0**	mg/L	2.5	1.9	10		05/14/24 03:13	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**451**	ug/L	10.0	1.6	1	05/04/24 08:10	05/07/24 18:59	7440-39-3	
Boron	**376**	ug/L	100	11.4	1	05/04/24 08:10	05/07/24 18:59	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/04/24 08:10	05/07/24 18:59	7440-43-9	
Calcium	**92200**	ug/L	1000	56.7	1	05/04/24 08:10	05/07/24 18:59	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/04/24 08:10	05/07/24 18:59	7440-47-3	
Iron	**2800**	ug/L	100	18.1	1	05/04/24 08:10	05/07/24 18:59	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/04/24 08:10	05/07/24 18:59	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/04/24 08:10	05/07/24 18:59	7439-93-2	
Magnesium	**29500**	ug/L	1000	32.8	1	05/04/24 08:10	05/07/24 18:59	7439-95-4	
Manganese	**121**	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 18:59	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 18:59	7439-98-7	
Potassium	**9110**	ug/L	1000	120	1	05/04/24 08:10	05/07/24 18:59	7440-09-7	
Sodium	**97500**	ug/L	1000	48.2	1	05/04/24 08:10	05/07/24 18:59	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	1.1	1	05/08/24 07:58	05/08/24 20:04	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	0.26	1	05/03/24 07:45	05/04/24 00:12	7440-36-0	
Arsenic	**2.3**	ug/L	1.0	0.10	1	05/03/24 07:45	05/04/24 00:12	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/03/24 07:45	05/04/24 00:12	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/03/24 07:45	05/04/24 00:12	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/03/24 07:45	05/04/24 00:12	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/03/24 07:45	05/04/24 00:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/08/24 11:45	05/08/24 21:01	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**295**	mg/L	10.0	10.0	1		05/02/24 22:09		
Alkalinity,Bicarbonate (CaCO3)	**295**	mg/L	10.0	10.0	1		05/02/24 22:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/02/24 22:09		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-18I **Lab ID: 50371989003** Collected: 05/01/24 13:28 Received: 05/01/24 17:15 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	**620**	mg/L	10.0	10.0	1		05/06/24 11:42		
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		05/07/24 15:25		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		05/02/24 23:19	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.8**	mg/L	1.0	0.25	1		05/07/24 21:50		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: Dup-8 **Lab ID: 50371989004** Collected: 05/01/24 08:00 Received: 05/01/24 17:15 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	**240**	mg/L	2.5	0.67	10		05/14/24 04:06	16887-00-6	
Fluoride	**0.44**	mg/L	0.10	0.017	1		05/14/24 03:48	16984-48-8	
Sulfate	**176**	mg/L	2.5	1.9	10		05/14/24 04:06	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**84.7**	ug/L	10.0	1.6	1	05/04/24 08:10	05/07/24 19:01	7440-39-3	
Boron	**436**	ug/L	100	11.4	1	05/04/24 08:10	05/07/24 19:01	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/04/24 08:10	05/07/24 19:01	7440-43-9	
Calcium	**119000**	ug/L	1000	56.7	1	05/04/24 08:10	05/07/24 19:01	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/04/24 08:10	05/07/24 19:01	7440-47-3	
Iron	ND	ug/L	100	18.1	1	05/04/24 08:10	05/07/24 19:01	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/04/24 08:10	05/07/24 19:01	7439-92-1	
Lithium	**30.1**	ug/L	20.0	5.1	1	05/04/24 08:10	05/07/24 19:01	7439-93-2	
Magnesium	**27500**	ug/L	1000	32.8	1	05/04/24 08:10	05/07/24 19:01	7439-95-4	
Manganese	**501**	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 19:01	7439-96-5	
Molybdenum	**155**	ug/L	10.0	1.1	1	05/04/24 08:10	05/07/24 19:01	7439-98-7	
Potassium	**7620**	ug/L	1000	120	1	05/04/24 08:10	05/07/24 19:01	7440-09-7	
Sodium	**149000**	ug/L	1000	48.2	1	05/04/24 08:10	05/07/24 19:01	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**156**	ug/L	10.0	1.1	1	05/08/24 07:58	05/08/24 20:06	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	0.26	1	05/03/24 07:45	05/04/24 00:24	7440-36-0	
Arsenic	ND	ug/L	1.0	0.10	1	05/03/24 07:45	05/04/24 00:24	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/03/24 07:45	05/04/24 00:24	7440-41-7	
Cobalt	**1.3**	ug/L	1.0	0.060	1	05/03/24 07:45	05/04/24 00:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/03/24 07:45	05/04/24 00:24	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/03/24 07:45	05/04/24 00:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/08/24 11:45	05/08/24 21:04	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		05/02/24 22:09		
Alkalinity,Bicarbonate (CaCO3)	**289**	mg/L	10.0	10.0	1		05/02/24 22:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/02/24 22:09		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: Dup-8 **Lab ID: 50371989004** Collected: 05/01/24 08:00 Received: 05/01/24 17:15 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	**858**	mg/L	20.0	20.0	1		05/06/24 11:43		
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		05/07/24 15:26		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		05/02/24 23:11	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		05/07/24 22:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 788297
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3606274 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/09/24 10:41	
Fluoride	mg/L	ND	0.10	0.017	05/09/24 10:41	
Sulfate	mg/L	ND	0.25	0.19	05/09/24 10:41	

LABORATORY CONTROL SAMPLE: 3606275

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	0.98	98	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606276 3606277

Parameter	Units	50371984004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	68.4	25	25	90.0	91.5	86	92	80-120	2	15	
Fluoride	mg/L	0.72	1	1	1.7	1.7	95	98	80-120	2	15	
Sulfate	mg/L	107	50	50	148	150	83	87	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 788508
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3606931 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/08/24 19:29	

LABORATORY CONTROL SAMPLE: 3606932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.6	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606933 3606934

Parameter	Units	50371984004 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	5.7	1.2	114	24	75-125		20	1d,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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 787738
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3603465 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	1.6	05/07/24 18:25	
Boron	ug/L	ND	100	11.4	05/07/24 18:25	
Cadmium	ug/L	ND	2.0	0.74	05/07/24 18:25	
Calcium	ug/L	ND	1000	56.7	05/07/24 18:25	
Chromium	ug/L	ND	10.0	1.4	05/07/24 18:25	
Iron	ug/L	ND	100	18.1	05/07/24 18:25	
Lead	ug/L	ND	10.0	4.0	05/07/24 18:25	
Lithium	ug/L	ND	20.0	5.1	05/07/24 18:25	
Magnesium	ug/L	ND	1000	32.8	05/07/24 18:25	
Manganese	ug/L	ND	10.0	1.1	05/07/24 18:25	
Molybdenum	ug/L	ND	10.0	1.1	05/07/24 18:25	
Potassium	ug/L	ND	1000	120	05/07/24 18:25	
Sodium	ug/L	ND	1000	48.2	05/07/24 18:25	

LABORATORY CONTROL SAMPLE: 3603466

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	1010	101	80-120	
Boron	ug/L	1000	992	99	80-120	
Cadmium	ug/L	1000	965	97	80-120	
Calcium	ug/L	10000	10100	101	80-120	
Chromium	ug/L	1000	994	99	80-120	
Iron	ug/L	10000	9970	100	80-120	
Lead	ug/L	1000	941	94	80-120	
Lithium	ug/L	1000	1030	103	80-120	
Magnesium	ug/L	10000	9990	100	80-120	
Manganese	ug/L	1000	987	99	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9750	97	80-120	
Sodium	ug/L	10000	9770	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3603467 3603468

Parameter	Units	50371974005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	27.5	1000	1000	1050	1010	102	98	75-125	4	20	
Boron	ug/L	<100	1000	1000	1030	1000	102	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3603467 3603468

Parameter	Units	50371974005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	<2.0	1000	1000	977	945	98	94	75-125	3	20	
Calcium	ug/L	62300	10000	10000	72000	69800	97	75	75-125	3	20	
Chromium	ug/L	<10.0	1000	1000	1000	970	100	97	75-125	3	20	
Iron	ug/L	502	10000	10000	10500	10100	100	96	75-125	4	20	
Lead	ug/L	<10.0	1000	1000	942	909	94	91	75-125	4	20	
Lithium	ug/L	<20.0	1000	1000	1060	1010	106	101	75-125	5	20	
Magnesium	ug/L	19100	10000	10000	29000	28100	99	90	75-125	3	20	
Manganese	ug/L	<20.0	1000	1000	1010	974	99	96	75-125	4	20	
Molybdenum	ug/L	<10.0	1000	1000	1050	1020	105	102	75-125	3	20	
Potassium	ug/L	1150	10000	10000	11200	10700	101	96	75-125	5	20	
Sodium	ug/L	3480	10000	10000	13400	12800	99	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 788433
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3606766 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/08/24 19:57	

LABORATORY CONTROL SAMPLE: 3606767

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: 3606768 3606769

Parameter	Units	50372105001 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	1040	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 787899
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3604189 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.26	05/03/24 20:05	
Arsenic	ug/L	ND	1.0	0.10	05/03/24 20:05	
Beryllium	ug/L	ND	0.20	0.020	05/03/24 20:05	
Cobalt	ug/L	ND	1.0	0.060	05/03/24 20:05	
Selenium	ug/L	ND	1.0	0.36	05/03/24 20:05	
Thallium	ug/L	ND	1.0	0.079	05/03/24 20:05	

LABORATORY CONTROL SAMPLE: 3604190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.1	105	80-120	
Arsenic	ug/L	40	41.1	103	80-120	
Beryllium	ug/L	40	39.7	99	80-120	
Cobalt	ug/L	40	41.3	103	80-120	
Selenium	ug/L	40	41.1	103	80-120	
Thallium	ug/L	40	39.3	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3604191 3604192

Parameter	Units	50371974005 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	41.9	106	105	75-125	1	20	
Arsenic	ug/L	<1.0	40	40	40.8	40.0	100	98	75-125	2	20	
Beryllium	ug/L	<0.20	40	40	39.9	39.5	100	99	75-125	1	20	
Cobalt	ug/L	<1.0	40	40	39.0	38.8	97	96	75-125	1	20	
Selenium	ug/L	<1.0	40	40	40.3	39.5	100	98	75-125	2	20	
Thallium	ug/L	<1.0	40	40	40.3	40.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 787928 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3604349 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/02/24 22:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/02/24 22:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/02/24 22:09	

LABORATORY CONTROL SAMPLE: 3604350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	90-110	

SAMPLE DUPLICATE: 3604351

Parameter	Units	50372013013 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	412	419	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	412	419	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3604352

Parameter	Units	50371989001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	290	298	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	290	298	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 788244 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3606156 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/06/24 11:37	

LABORATORY CONTROL SAMPLE: 3606157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	275	92	80-120	

SAMPLE DUPLICATE: 3606158

Parameter	Units	50372134001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	20200	20500	2	10	

SAMPLE DUPLICATE: 3606159

Parameter	Units	50372058002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	469	471	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 788516
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: 50371989001, 50371989002, 50371989003, 50371989004

SAMPLE DUPLICATE: 3606949

Parameter	Units	50371984004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.4	8.3	1	2	H3

SAMPLE DUPLICATE: 3606950

Parameter	Units	50372085002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.7	8.7	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 787931
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: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3604369 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/02/24 23:08	

LABORATORY CONTROL SAMPLE: 3604370

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: 3604371 3604372

Parameter	Units	50371989001 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	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 788566 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3607236 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/07/24 16:46	

LABORATORY CONTROL SAMPLE: 3607237

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: 3607238 3607239

Parameter	Units	50372105001 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	10.9	11.1	92	94	80-120	2	20	

MATRIX SPIKE SAMPLE: 3607240

Parameter	Units	50371295002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	10	10.5	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-16S **Lab ID: 50371989001** Collected: 05/01/24 12:55 Received: 05/01/24 17:15 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	**0.546 ± 0.574 (0.911) C:NA T:84%**	pCi/L	05/22/24 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.506 ± 0.452 (0.918) C:76% T:81%**	pCi/L	05/16/24 15:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.05 ± 1.03 (1.83)**	pCi/L	05/28/24 14:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-16D **Lab ID: 50371989002** Collected: 05/01/24 15:10 Received: 05/01/24 17:15 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	**0.485 ± 0.479 (0.728) C:NA T:89%**	pCi/L	05/22/24 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.353 ± 0.388 (0.811) C:83% T:80%**	pCi/L	05/16/24 15:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.838 ± 0.867 (1.54)**	pCi/L	05/28/24 14:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: MW-18I **Lab ID: 50371989003** Collected: 05/01/24 13:28 Received: 05/01/24 17:15 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	**2.37 ± 0.913 (0.982) C:NA T:87%**	pCi/L	05/22/24 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.90 ± 0.606 (0.785) C:81% T:80%**	pCi/L	05/16/24 15:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**4.27 ± 1.52 (1.77)**	pCi/L	05/28/24 14:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Sample: Dup-8 **Lab ID: 50371989004** Collected: 05/01/24 08:00 Received: 05/01/24 17:15 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	**1.01 ± 0.619 (0.728) C:NA T:78%**	pCi/L	05/22/24 14:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.698 ± 0.462 (0.880) C:78% T:75%**	pCi/L	05/16/24 15:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.71 ± 1.08 (1.61)**	pCi/L	05/28/24 14:47	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 666738
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: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3246101 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.210 ± 0.219 (0.309) C:NA T:93%	pCi/L	05/22/24 14:10	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

QC Batch: 666740
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: 50371989001, 50371989002, 50371989003, 50371989004

METHOD BLANK: 3246103 Matrix: Water
Associated Lab Samples: 50371989001, 50371989002, 50371989003, 50371989004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.463 ± 0.352 (0.694) C:82% T:86%	pCi/L	05/16/24 12:39	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

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

1d	RPD not calculable due to low spike recovery
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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50371989001	**MW-16S**	EPA 9056	788297		
50371989002	**MW-16D**	EPA 9056	788297		
50371989003	**MW-18I**	EPA 9056	788297		
50371989004	**Dup-8**	EPA 9056	788297		
50371989001	**MW-16S**	EPA 3010	787738	EPA 6010	788606
50371989002	**MW-16D**	EPA 3010	787738	EPA 6010	788606
50371989003	**MW-18I**	EPA 3010	787738	EPA 6010	788606
50371989004	**Dup-8**	EPA 3010	787738	EPA 6010	788606
50371989001	**MW-16S**	EPA 3010	788433	EPA 6010	788833
50371989002	**MW-16D**	EPA 3010	788433	EPA 6010	788833
50371989003	**MW-18I**	EPA 3010	788433	EPA 6010	788833
50371989004	**Dup-8**	EPA 3010	788433	EPA 6010	788833
50371989001	**MW-16S**	EPA 200.2	787899	EPA 6020	788057
50371989002	**MW-16D**	EPA 200.2	787899	EPA 6020	788057
50371989003	**MW-18I**	EPA 200.2	787899	EPA 6020	788057
50371989004	**Dup-8**	EPA 200.2	787899	EPA 6020	788057
50371989001	**MW-16S**	EPA 7470	788508	EPA 7470	788809
50371989002	**MW-16D**	EPA 7470	788508	EPA 7470	788809
50371989003	**MW-18I**	EPA 7470	788508	EPA 7470	788809
50371989004	**Dup-8**	EPA 7470	788508	EPA 7470	788809
50371989001	**MW-16S**	EPA 903.1	666738		
50371989002	**MW-16D**	EPA 903.1	666738		
50371989003	**MW-18I**	EPA 903.1	666738		
50371989004	**Dup-8**	EPA 903.1	666738		
50371989001	**MW-16S**	EPA 904.0	666740		
50371989002	**MW-16D**	EPA 904.0	666740		
50371989003	**MW-18I**	EPA 904.0	666740		
50371989004	**Dup-8**	EPA 904.0	666740		
50371989001	**MW-16S**	Total Radium Calculation	671722		
50371989002	**MW-16D**	Total Radium Calculation	671722		
50371989003	**MW-18I**	Total Radium Calculation	671722		
50371989004	**Dup-8**	Total Radium Calculation	671722		
50371989001	**MW-16S**	SM 2320B	787928		
50371989002	**MW-16D**	SM 2320B	787928		
50371989003	**MW-18I**	SM 2320B	787928		
50371989004	**Dup-8**	SM 2320B	787928		
50371989001	**MW-16S**	SM 2540C	788244		
50371989002	**MW-16D**	SM 2540C	788244		
50371989003	**MW-18I**	SM 2540C	788244		
50371989004	**Dup-8**	SM 2540C	788244		
50371989001	**MW-16S**	SM 4500-H+B	788516		
50371989002	**MW-16D**	SM 4500-H+B	788516		
50371989003	**MW-18I**	SM 4500-H+B	788516		
50371989004	**Dup-8**	SM 4500-H+B	788516		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R3
Pace Project No.: 50371989

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50371989001	**MW-16S**	EPA 353.2	787931		
50371989002	**MW-16D**	EPA 353.2	787931		
50371989003	**MW-18I**	EPA 353.2	787931		
50371989004	**Dup-8**	EPA 353.2	787931		
50371989001	**MW-16S**	SM 5310C	788566		
50371989002	**MW-16D**	SM 5310C	788566		
50371989003	**MW-18I**	SM 5310C	788566		
50371989004	**Dup-8**	SM 5310C	788566		

Pace

CHAIN-OF-CUST

WO# : 50371989

50371989

The Chain-of-Custody is a ately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the P standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section Invoice Inf	
Company:	Atlas	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
	Suite 100, Indianapolis, IN 46256			Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street May 2024	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:	P183	Pace Profile #:	10498-57

Regulatory Agency	
State / Location	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-16S	WT		5/1/24	1255				8	3	1	4						X	X	X	X	X	X	X	X		001
2	MW-16V	WT		↓	1510				8	3	1	4						X	X	X	X	X	X	X	X		002
3	MW-18I	WT		↓	1328				8	3	1	4						X	X	X	X	X	X	X	X		003
4	Dup-8	WT		5/1/24	—				8	3	1	4						X	X	X	X	X	X	X	X		004
5		WT																X	X	X	X	X	X	X	X		
6		WT																X	X	X	X	X	X	X	X		
7		WT																X	X	X	X	X	X	X	X		
8		WT																X	X	X	X	X	X	X	X		
9		WT																X	X	X	X	X	X	X	X		
10		WT																X	X	X	X	X	X	X	X		
11		WT																X	X	X	X	X	X	X	X		
12																		X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Keeyon Lowhead / Atlas	5/1/24	1715	Jeff Francis	5/1/24	1715	3.9	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Keeyon Lowhead				
SIGNATURE of SAMPLER:		DATE Signed:	5/1/24		

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 05/01/24 1720 JT

1. **Courier:** ☐ FED EX | UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT | OTHER _____
2. **Custody Seal on Cooler/Box Present:** | | Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 (8) A B C D E F G (H)
4. **Cooler Temperature(s):** 3.9 | 3.9 | 7.8 | 7.9 | | |
   (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
8. **EZ Bottle Order?** | Yes | ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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:** Nitrates	✓		**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: Second temp was taken with gun because there wasn't a temp blank in cooler or ice melt. -JT 5/1/24

COC PAGE 1 of 1

Sample Container Count

** Place a RED 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	1	1							WT	✓	✓		
2																												✓	✓		
3																												✓	✓		
4													↓			↓	↓	↓	↓	↓							↓	✓	✓		
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 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,

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: Harding Street May 2024 P1R3
Pace Project No.: 50372105

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372105001	**MW-17I**	Water	05/02/24 12:20	05/02/24 16:30
50372105002	**MW-17I MS**	Water	05/02/24 12:20	05/02/24 16:30
50372105003	**MW-17I MSD**	Water	05/02/24 12:20	05/02/24 16:30
50372105004	**MW-17IL**	Water	05/02/24 13:20	05/02/24 16:30
50372105005	**MW-17D**	Water	05/02/24 14:15	05/02/24 16:30
50372105006	**MW-18S**	Water	05/02/24 13:54	05/02/24 16:30
50372105007	**MW-18D**	Water	05/02/24 12:15	05/02/24 16:30

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372105001	**MW-17I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	CAW	6	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372105002	**MW-17I MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50372105003	**MW-17I MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50372105004	**MW-17IL**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	CAW	6	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372105005	**MW-17D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	ILP	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372105006	**MW-18S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	CAW	6	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372105007	**MW-18D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	CAW	6	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372105001	**MW-17I**					
EPA 9056	Chloride	152	mg/L	2.5	05/08/24 21:56	
EPA 9056	Fluoride	0.31	mg/L	0.10	05/08/24 21:39	
EPA 9056	Sulfate	97.5	mg/L	2.5	05/08/24 21:56	
EPA 6010	Barium	160	ug/L	10.0	05/08/24 18:26	
EPA 6010	Boron	146	ug/L	100	05/08/24 18:26	
EPA 6010	Calcium	87900	ug/L	1000	05/08/24 18:26	
EPA 6010	Iron	1880	ug/L	100	05/08/24 18:26	
EPA 6010	Magnesium	25500	ug/L	1000	05/08/24 18:26	
EPA 6010	Manganese	309	ug/L	10.0	05/08/24 18:26	
EPA 6010	Potassium	6050	ug/L	1000	05/08/24 18:26	
EPA 6010	Sodium	88600	ug/L	1000	05/08/24 18:26	
EPA 6020	Arsenic	2.9	ug/L	1.0	05/07/24 02:27	
EPA 903.1	Radium-226	1.19 ± 0.690 (0.953) C:NA T:88%	pCi/L		05/27/24 15:06	
EPA 904.0	Radium-228	0.434 ± 0.305 (0.579) C:83% T:85%	pCi/L		05/22/24 12:32	
Total Radium Calculation	Total Radium	1.62 ± 0.995 (1.53)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	261	mg/L	10.0	05/04/24 14:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	261	mg/L	10.0	05/04/24 14:25	
SM 2540C	Total Dissolved Solids	574	mg/L	10.0	05/07/24 11:04	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	05/08/24 12:46	H3
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	05/07/24 23:29	
50372105002	**MW-17I MS**					
EPA 903.1	Radium-226	96.63 %REC ± NA (NA) C:NA T:NA	pCi/L		05/27/24 15:06	
EPA 904.0	Radium-228	98.41 %REC ± NA (NA) C:NA T:NA	pCi/L		05/22/24 12:32	
50372105003	**MW-17I MSD**					
EPA 903.1	Radium-226	100.52 %REC 3.94RPD ± NA (NA) C:NA T:NA	pCi/L		05/27/24 15:18	
EPA 904.0	Radium-228	102.32 %REC 3.89RPD ± NA (NA) C:NA T:NA	pCi/L		05/22/24 12:32	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372105004	**MW-17IL**					
EPA 9056	Chloride	143	mg/L	2.5	05/09/24 00:28	
EPA 9056	Fluoride	0.29	mg/L	0.10	05/09/24 00:11	
EPA 9056	Sulfate	87.7	mg/L	2.5	05/09/24 00:28	
EPA 6010	Barium	250	ug/L	10.0	05/08/24 18:35	
EPA 6010	Boron	188	ug/L	100	05/08/24 18:35	
EPA 6010	Calcium	90400	ug/L	1000	05/08/24 18:35	
EPA 6010	Iron	2310	ug/L	100	05/08/24 18:35	
EPA 6010	Magnesium	23600	ug/L	1000	05/08/24 18:35	
EPA 6010	Manganese	282	ug/L	10.0	05/08/24 18:35	
EPA 6010	Potassium	6600	ug/L	1000	05/08/24 18:35	
EPA 6010	Sodium	83200	ug/L	1000	05/08/24 18:35	
EPA 6020	Arsenic	3.0	ug/L	1.0	05/07/24 02:51	
EPA 903.1	Radium-226	2.37 ± 0.766 (0.396) C:NA T:87%	pCi/L		05/27/24 15:18	
EPA 904.0	Radium-228	0.810 ± 0.371 (0.623) C:84% T:93%	pCi/L		05/22/24 12:32	
Total Radium Calculation	Total Radium	3.18 ± 1.14 (1.02)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	273	mg/L	10.0	05/04/24 14:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	10.0	05/04/24 14:25	
SM 2540C	Total Dissolved Solids	490	mg/L	10.0	05/07/24 11:05	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	05/08/24 12:47	H3
EPA 353.2	Nitrogen, Nitrate	0.29	mg/L	0.10	05/04/24 03:14	
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	05/08/24 01:15	
50372105005	**MW-17D**					
EPA 9056	Chloride	150	mg/L	2.5	05/09/24 01:02	
EPA 9056	Fluoride	0.29	mg/L	0.10	05/09/24 00:45	
EPA 9056	Sulfate	90.7	mg/L	2.5	05/09/24 01:02	
EPA 6010	Barium	221	ug/L	10.0	05/08/24 18:37	
EPA 6010	Boron	196	ug/L	100	05/08/24 18:37	
EPA 6010	Calcium	85900	ug/L	1000	05/08/24 18:37	
EPA 6010	Iron	2320	ug/L	100	05/08/24 18:37	
EPA 6010	Magnesium	23900	ug/L	1000	05/08/24 18:37	
EPA 6010	Manganese	336	ug/L	10.0	05/08/24 18:37	
EPA 6010	Potassium	6700	ug/L	1000	05/08/24 18:37	
EPA 6010	Sodium	93400	ug/L	1000	05/08/24 18:37	
EPA 6020	Arsenic	3.7	ug/L	1.0	05/07/24 02:54	
EPA 903.1	Radium-226	1.81 ± 0.740 (0.797) C:NA T:86%	pCi/L		05/27/24 15:18	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372105005	**MW-17D**					
EPA 904.0	Radium-228	0.369 ± 0.282 (0.548) C:86% T:89%	pCi/L		05/22/24 12:32	
Total Radium Calculation	Total Radium	2.18 ± 1.02 (1.35)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	276	mg/L	10.0	05/04/24 14:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	276	mg/L	10.0	05/04/24 14:25	
SM 2540C	Total Dissolved Solids	579	mg/L	10.0	05/07/24 11:05	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/08/24 12:48	H3
EPA 353.2	Nitrogen, Nitrate	0.12	mg/L	0.10	05/04/24 03:29	
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	05/08/24 01:36	
50372105006	**MW-18S**					
EPA 9056	Chloride	174	mg/L	2.5	05/09/24 02:10	
EPA 9056	Fluoride	0.22	mg/L	0.10	05/09/24 01:53	
EPA 9056	Sulfate	78.6	mg/L	2.5	05/09/24 02:10	
EPA 6010	Barium	278	ug/L	10.0	05/08/24 18:39	
EPA 6010	Boron	258	ug/L	100	05/08/24 18:39	
EPA 6010	Calcium	83600	ug/L	1000	05/08/24 18:39	
EPA 6010	Iron	1400	ug/L	100	05/08/24 18:39	
EPA 6010	Magnesium	26300	ug/L	1000	05/08/24 18:39	
EPA 6010	Manganese	287	ug/L	10.0	05/08/24 18:39	
EPA 6010	Potassium	8150	ug/L	1000	05/08/24 18:39	
EPA 6010	Sodium	103000	ug/L	1000	05/08/24 18:39	
EPA 6020	Arsenic	1.3	ug/L	1.0	05/07/24 02:57	
EPA 903.1	Radium-226	1.36 ± 0.700 (0.862) C:NA T:90%	pCi/L		05/27/24 15:18	
EPA 904.0	Radium-228	0.810 ± 0.349 (0.540) C:82% T:89%	pCi/L		05/22/24 12:32	
Total Radium Calculation	Total Radium	2.17 ± 1.05 (1.40)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	511	mg/L	10.0	05/04/24 14:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	511	mg/L	10.0	05/04/24 14:25	
SM 2540C	Total Dissolved Solids	605	mg/L	10.0	05/07/24 11:05	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/08/24 12:49	H3
EPA 353.2	Nitrogen, Nitrate	0.25	mg/L	0.10	05/04/24 03:27	
SM 5310C	Dissolved Organic Carbon	4.0	mg/L	1.0	05/08/24 01:56	
50372105007	**MW-18D**					
EPA 9056	Chloride	204	mg/L	2.5	05/09/24 02:44	
EPA 9056	Sulfate	80.2	mg/L	2.5	05/09/24 02:44	
EPA 6010	Barium	514	ug/L	10.0	05/08/24 18:41	
EPA 6010	Boron	568	ug/L	100	05/08/24 18:41	
EPA 6010	Calcium	129000	ug/L	1000	05/08/24 18:41	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372105007	**MW-18D**					
EPA 6010	Iron	5950	ug/L	100	05/08/24 18:41	
EPA 6010	Magnesium	35600	ug/L	1000	05/08/24 18:41	
EPA 6010	Manganese	63.4	ug/L	10.0	05/08/24 18:41	
EPA 6010	Potassium	5430	ug/L	1000	05/08/24 18:41	
EPA 6010	Sodium	91800	ug/L	1000	05/08/24 18:41	
EPA 6020	Arsenic	20.2	ug/L	1.0	05/07/24 03:01	
EPA 903.1	Radium-226	1.05 ± 0.509 (0.513) C:NA T:93%	pCi/L		05/27/24 15:18	
EPA 904.0	Radium-228	0.273 ± 0.307 (0.641) C:80% T:87%	pCi/L		05/22/24 12:32	
Total Radium Calculation	Total Radium	1.32 ± 0.816 (1.15)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	367	mg/L	10.0	05/04/24 14:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	367	mg/L	10.0	05/04/24 14:25	
SM 2540C	Total Dissolved Solids	738	mg/L	20.0	05/07/24 11:06	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/08/24 12:49	H3
SM 5310C	Dissolved Organic Carbon	3.4	mg/L	1.0	05/08/24 02:17	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17I **Lab ID: 50372105001** Collected: 05/02/24 12:20 Received: 05/02/24 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	**152**	mg/L	2.5	0.67	10		05/08/24 21:56	16887-00-6	
Fluoride	**0.31**	mg/L	0.10	0.017	1		05/08/24 21:39	16984-48-8	
Sulfate	**97.5**	mg/L	2.5	1.9	10		05/08/24 21:56	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**160**	ug/L	10.0	1.6	1	05/06/24 08:17	05/08/24 18:26	7440-39-3	
Boron	**146**	ug/L	100	11.4	1	05/06/24 08:17	05/08/24 18:26	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/06/24 08:17	05/08/24 18:26	7440-43-9	
Calcium	**87900**	ug/L	1000	56.7	1	05/06/24 08:17	05/08/24 18:26	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/06/24 08:17	05/08/24 18:26	7440-47-3	
Iron	**1880**	ug/L	100	18.1	1	05/06/24 08:17	05/08/24 18:26	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/06/24 08:17	05/08/24 18:26	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/06/24 08:17	05/08/24 18:26	7439-93-2	
Magnesium	**25500**	ug/L	1000	32.8	1	05/06/24 08:17	05/08/24 18:26	7439-95-4	
Manganese	**309**	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:26	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:26	7439-98-7	
Potassium	**6050**	ug/L	1000	120	1	05/06/24 08:17	05/08/24 18:26	7440-09-7	
Sodium	**88600**	ug/L	1000	48.2	1	05/06/24 08:17	05/08/24 18:26	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	1.1	1	05/08/24 07:58	05/08/24 20:15	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	0.49	1	05/04/24 15:55	05/07/24 02:27	7440-36-0	
Arsenic	**2.9**	ug/L	1.0	0.075	1	05/04/24 15:55	05/07/24 02:27	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/04/24 15:55	05/07/24 21:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/04/24 15:55	05/07/24 02:27	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/04/24 15:55	05/07/24 02:27	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/04/24 15:55	05/07/24 02:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/08/24 18:45	05/09/24 09:11	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**261**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Bicarbonate (CaCO3)	**261**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/04/24 14:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17I **Lab ID: 50372105001** Collected: 05/02/24 12:20 Received: 05/02/24 16:30 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	**574**	mg/L	10.0	10.0	1		05/07/24 11:04		
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		05/08/24 12:46		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		05/04/24 02:44	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		05/07/24 23:29		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17IL **Lab ID: 50372105004** Collected: 05/02/24 13:20 Received: 05/02/24 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	**143**	mg/L	2.5	0.67	10		05/09/24 00:28	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.017	1		05/09/24 00:11	16984-48-8	
Sulfate	**87.7**	mg/L	2.5	1.9	10		05/09/24 00:28	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**250**	ug/L	10.0	1.6	1	05/06/24 08:17	05/08/24 18:35	7440-39-3	
Boron	**188**	ug/L	100	11.4	1	05/06/24 08:17	05/08/24 18:35	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/06/24 08:17	05/08/24 18:35	7440-43-9	
Calcium	**90400**	ug/L	1000	56.7	1	05/06/24 08:17	05/08/24 18:35	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/06/24 08:17	05/08/24 18:35	7440-47-3	
Iron	**2310**	ug/L	100	18.1	1	05/06/24 08:17	05/08/24 18:35	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/06/24 08:17	05/08/24 18:35	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/06/24 08:17	05/08/24 18:35	7439-93-2	
Magnesium	**23600**	ug/L	1000	32.8	1	05/06/24 08:17	05/08/24 18:35	7439-95-4	
Manganese	**282**	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:35	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:35	7439-98-7	
Potassium	**6600**	ug/L	1000	120	1	05/06/24 08:17	05/08/24 18:35	7440-09-7	
Sodium	**83200**	ug/L	1000	48.2	1	05/06/24 08:17	05/08/24 18:35	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	1.1	1	05/08/24 07:58	05/08/24 20:24	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	0.49	1	05/04/24 15:55	05/07/24 02:51	7440-36-0	
Arsenic	**3.0**	ug/L	1.0	0.075	1	05/04/24 15:55	05/07/24 02:51	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/04/24 15:55	05/07/24 21:48	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/04/24 15:55	05/07/24 02:51	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/04/24 15:55	05/07/24 02:51	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/04/24 15:55	05/07/24 02:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/08/24 18:45	05/09/24 09:26	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**273**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Bicarbonate (CaCO3)	**273**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/04/24 14:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17IL **Lab ID: 50372105004** Collected: 05/02/24 13:20 Received: 05/02/24 16:30 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	**490**	mg/L	10.0	10.0	1		05/07/24 11:05		
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		05/08/24 12:47		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.29**	mg/L	0.10	0.013	1		05/04/24 03:14	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		05/08/24 01:15		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17D **Lab ID: 50372105005** Collected: 05/02/24 14:15 Received: 05/02/24 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	**150**	mg/L	2.5	0.67	10		05/09/24 01:02	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.017	1		05/09/24 00:45	16984-48-8	
Sulfate	**90.7**	mg/L	2.5	1.9	10		05/09/24 01:02	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**221**	ug/L	10.0	1.6	1	05/06/24 08:17	05/08/24 18:37	7440-39-3	
Boron	**196**	ug/L	100	11.4	1	05/06/24 08:17	05/08/24 18:37	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/06/24 08:17	05/08/24 18:37	7440-43-9	
Calcium	**85900**	ug/L	1000	56.7	1	05/06/24 08:17	05/08/24 18:37	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/06/24 08:17	05/08/24 18:37	7440-47-3	
Iron	**2320**	ug/L	100	18.1	1	05/06/24 08:17	05/08/24 18:37	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/06/24 08:17	05/08/24 18:37	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/06/24 08:17	05/08/24 18:37	7439-93-2	
Magnesium	**23900**	ug/L	1000	32.8	1	05/06/24 08:17	05/08/24 18:37	7439-95-4	
Manganese	**336**	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:37	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:37	7439-98-7	
Potassium	**6700**	ug/L	1000	120	1	05/06/24 08:17	05/08/24 18:37	7440-09-7	
Sodium	**93400**	ug/L	1000	48.2	1	05/06/24 08:17	05/08/24 18:37	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	1.1	1	05/08/24 07:58	05/08/24 20:26	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	0.49	1	05/04/24 15:55	05/07/24 02:54	7440-36-0	
Arsenic	**3.7**	ug/L	1.0	0.075	1	05/04/24 15:55	05/07/24 02:54	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/04/24 15:55	05/07/24 21:51	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/04/24 15:55	05/07/24 02:54	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/04/24 15:55	05/07/24 02:54	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/04/24 15:55	05/07/24 02:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/08/24 18:45	05/09/24 09:29	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		05/04/24 14:25		
Alkalinity,Bicarbonate (CaCO3)	**276**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/04/24 14:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17D **Lab ID: 50372105005** Collected: 05/02/24 14:15 Received: 05/02/24 16:30 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		05/07/24 11:05		
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		05/08/24 12:48		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		05/04/24 03:29	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		05/08/24 01:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-18S **Lab ID: 50372105006** Collected: 05/02/24 13:54 Received: 05/02/24 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	**174**	mg/L	2.5	0.67	10		05/09/24 02:10	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.017	1		05/09/24 01:53	16984-48-8	
Sulfate	**78.6**	mg/L	2.5	1.9	10		05/09/24 02:10	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**278**	ug/L	10.0	1.6	1	05/06/24 08:17	05/08/24 18:39	7440-39-3	
Boron	**258**	ug/L	100	11.4	1	05/06/24 08:17	05/08/24 18:39	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/06/24 08:17	05/08/24 18:39	7440-43-9	
Calcium	**83600**	ug/L	1000	56.7	1	05/06/24 08:17	05/08/24 18:39	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/06/24 08:17	05/08/24 18:39	7440-47-3	
Iron	**1400**	ug/L	100	18.1	1	05/06/24 08:17	05/08/24 18:39	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/06/24 08:17	05/08/24 18:39	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/06/24 08:17	05/08/24 18:39	7439-93-2	
Magnesium	**26300**	ug/L	1000	32.8	1	05/06/24 08:17	05/08/24 18:39	7439-95-4	
Manganese	**287**	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:39	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:39	7439-98-7	
Potassium	**8150**	ug/L	1000	120	1	05/06/24 08:17	05/08/24 18:39	7440-09-7	
Sodium	**103000**	ug/L	1000	48.2	1	05/06/24 08:17	05/08/24 18:39	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	1.1	1	05/08/24 07:58	05/08/24 20:27	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	0.49	1	05/04/24 15:55	05/07/24 02:57	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.075	1	05/04/24 15:55	05/07/24 02:57	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/04/24 15:55	05/07/24 21:55	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/04/24 15:55	05/07/24 02:57	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/04/24 15:55	05/07/24 02:57	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/04/24 15:55	05/07/24 02:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/08/24 18:45	05/09/24 09:31	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**511**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Bicarbonate (CaCO3)	**511**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/04/24 14:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-18S **Lab ID: 50372105006** Collected: 05/02/24 13:54 Received: 05/02/24 16:30 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	**605**	mg/L	10.0	10.0	1		05/07/24 11:05		
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		05/08/24 12:49		H3
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		05/04/24 03:27	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.0**	mg/L	1.0	0.25	1		05/08/24 01:56		

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-18D **Lab ID: 50372105007** Collected: 05/02/24 12:15 Received: 05/02/24 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	**204**	mg/L	2.5	0.67	10		05/09/24 02:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		05/09/24 02:27	16984-48-8	
Sulfate	**80.2**	mg/L	2.5	1.9	10		05/09/24 02:44	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**514**	ug/L	10.0	1.6	1	05/06/24 08:17	05/08/24 18:41	7440-39-3	
Boron	**568**	ug/L	100	11.4	1	05/06/24 08:17	05/08/24 18:41	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/06/24 08:17	05/08/24 18:41	7440-43-9	
Calcium	**129000**	ug/L	1000	56.7	1	05/06/24 08:17	05/08/24 18:41	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/06/24 08:17	05/08/24 18:41	7440-47-3	
Iron	**5950**	ug/L	100	18.1	1	05/06/24 08:17	05/08/24 18:41	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/06/24 08:17	05/08/24 18:41	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/06/24 08:17	05/08/24 18:41	7439-93-2	
Magnesium	**35600**	ug/L	1000	32.8	1	05/06/24 08:17	05/08/24 18:41	7439-95-4	
Manganese	**63.4**	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:41	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/06/24 08:17	05/08/24 18:41	7439-98-7	
Potassium	**5430**	ug/L	1000	120	1	05/06/24 08:17	05/08/24 18:41	7440-09-7	
Sodium	**91800**	ug/L	1000	48.2	1	05/06/24 08:17	05/08/24 18:41	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	1.1	1	05/08/24 07:58	05/08/24 20:29	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	0.49	1	05/04/24 15:55	05/07/24 03:01	7440-36-0	
Arsenic	**20.2**	ug/L	1.0	0.075	1	05/04/24 15:55	05/07/24 03:01	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/04/24 15:55	05/07/24 22:06	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/04/24 15:55	05/07/24 03:01	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/04/24 15:55	05/07/24 03:01	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/04/24 15:55	05/07/24 03:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/08/24 18:45	05/09/24 09:34	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		05/04/24 14:25		
Alkalinity,Bicarbonate (CaCO3)	**367**	mg/L	10.0	10.0	1		05/04/24 14:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/04/24 14:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-18D **Lab ID: 50372105007** Collected: 05/02/24 12:15 Received: 05/02/24 16:30 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	**738**	mg/L	20.0	20.0	1		05/07/24 11:06		
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		05/08/24 12:49		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		05/04/24 02:42	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		05/08/24 02:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788304
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3606305 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/08/24 11:12	
Fluoride	mg/L	ND	0.10	0.017	05/08/24 11:12	
Sulfate	mg/L	ND	0.25	0.19	05/08/24 11:12	

LABORATORY CONTROL SAMPLE: 3606306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	99	80-120	
Fluoride	mg/L	1	1.0	105	80-120	
Sulfate	mg/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606307 3606308

Parameter	Units	50372058007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	14.2	2.5	2.5	17.0	17.0	111	111	80-120	0	15	
Fluoride	mg/L	0.83	1	1	1.9	1.9	107	107	80-120	0	15	
Sulfate	mg/L	6.2	5	5	11.2	11.2	101	101	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606309 3606310

Parameter	Units	50372105001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	152	25	25	175	175	92	91	80-120	0	15	
Fluoride	mg/L	0.31	1	1	1.4	1.4	106	106	80-120	0	15	
Sulfate	mg/L	97.5	50	50	145	145	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788693
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3607925 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	05/09/24 08:22	

LABORATORY CONTROL SAMPLE: 3607926

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: 3607927 3607928

Parameter	Units	50372103005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	5.0	4.8	101	97	75-125	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3607929 3607930

Parameter	Units	50372105001 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	4.8	102	96	75-125	7	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 787948
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3604668 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	1.6	05/08/24 21:04	
Boron	ug/L	ND	100	11.4	05/08/24 21:04	
Cadmium	ug/L	ND	2.0	0.74	05/08/24 21:04	
Calcium	ug/L	ND	1000	56.7	05/08/24 21:04	
Chromium	ug/L	ND	10.0	1.4	05/08/24 21:04	
Iron	ug/L	ND	100	18.1	05/08/24 21:04	
Lead	ug/L	ND	10.0	4.0	05/08/24 21:04	
Lithium	ug/L	ND	20.0	5.1	05/08/24 21:04	
Magnesium	ug/L	ND	1000	32.8	05/08/24 21:04	
Manganese	ug/L	ND	10.0	1.1	05/08/24 21:04	
Molybdenum	ug/L	ND	10.0	1.1	05/08/24 21:04	
Potassium	ug/L	ND	1000	120	05/08/24 21:04	
Sodium	ug/L	ND	1000	48.2	05/08/24 21:04	

LABORATORY CONTROL SAMPLE: 3604669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	1050	105	80-120	
Boron	ug/L	1000	974	97	80-120	
Cadmium	ug/L	1000	935	93	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	956	96	80-120	
Iron	ug/L	10000	10400	104	80-120	
Lead	ug/L	1000	914	91	80-120	
Lithium	ug/L	1000	1000	100	80-120	
Magnesium	ug/L	10000	10200	102	80-120	
Manganese	ug/L	1000	959	96	80-120	
Molybdenum	ug/L	1000	998	100	80-120	
Potassium	ug/L	10000	9470	95	80-120	
Sodium	ug/L	10000	9980	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3604670 3604671

Parameter	Units	50372105001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	160	1000	1000	1190	1220	103	106	75-125	3	20	
Boron	ug/L	146	1000	1000	1130	1150	98	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3604670 3604671

Parameter	Units	50372105001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	ND	1000	1000	934	953	93	95	75-125	2	20	
Calcium	ug/L	87900	10000	10000	92300	95300	44	74	75-125	3	20	P6
Chromium	ug/L	ND	1000	1000	941	959	94	96	75-125	2	20	
Iron	ug/L	1880	10000	10000	12000	12300	101	104	75-125	2	20	
Lead	ug/L	ND	1000	1000	880	899	88	90	75-125	2	20	
Lithium	ug/L	ND	1000	1000	987	1020	98	101	75-125	3	20	
Magnesium	ug/L	25500	10000	10000	33700	34700	82	92	75-125	3	20	
Manganese	ug/L	309	1000	1000	1230	1260	92	95	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1010	1030	101	103	75-125	2	20	
Potassium	ug/L	6050	10000	10000	15000	15700	90	97	75-125	4	20	
Sodium	ug/L	88600	10000	10000	92600	96300	40	77	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788433
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3606766 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/08/24 19:57	

LABORATORY CONTROL SAMPLE: 3606767

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: 3606768 3606769

Parameter	Units	50372105001 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	1040	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788120
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3605418 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	05/07/24 01:50	
Arsenic	ug/L	ND	1.0	0.075	05/07/24 01:50	
Beryllium	ug/L	ND	0.20	0.035	05/07/24 20:42	
Cobalt	ug/L	ND	1.0	0.046	05/07/24 01:50	
Selenium	ug/L	ND	1.0	0.20	05/07/24 01:50	
Thallium	ug/L	ND	1.0	0.040	05/07/24 01:50	

LABORATORY CONTROL SAMPLE: 3605419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.7	104	80-120	
Arsenic	ug/L	40	38.8	97	80-120	
Beryllium	ug/L	40	39.4	99	80-120	
Cobalt	ug/L	40	41.4	104	80-120	
Selenium	ug/L	40	40.0	100	80-120	
Thallium	ug/L	40	41.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3605420 3605421

Parameter	Units	50372105001 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	41.9	42.0	105	105	75-125	0	20	
Arsenic	ug/L	2.9	40	40	41.3	41.9	96	98	75-125	2	20	
Beryllium	ug/L	ND	40	40	39.7	40.4	99	101	75-125	2	20	
Cobalt	ug/L	ND	40	40	38.4	39.1	96	97	75-125	2	20	
Selenium	ug/L	ND	40	40	39.3	40.0	98	100	75-125	2	20	
Thallium	ug/L	ND	40	40	41.8	41.9	104	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788173
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3605842 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/04/24 14:25	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/04/24 14:25	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/04/24 14:25	

LABORATORY CONTROL SAMPLE: 3605843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	90-110	

SAMPLE DUPLICATE: 3605844

Parameter	Units	50372125004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	313	316	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	313	316	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3605845

Parameter	Units	50372105001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	261	268	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	261	268	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788248
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3606168 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/07/24 10:54	

LABORATORY CONTROL SAMPLE: 3606169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	279	93	80-120	

SAMPLE DUPLICATE: 3606170

Parameter	Units	50372125003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	207	196	5	10	

SAMPLE DUPLICATE: 3606957

Parameter	Units	50372105001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	574	584	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788717
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: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

SAMPLE DUPLICATE: 3608068

Parameter	Units	50372105001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.5	2	2	H3

SAMPLE DUPLICATE: 3608069

Parameter	Units	50372141003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788150
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: 50372105001, 50372105007

METHOD BLANK: 3605762 Matrix: Water
Associated Lab Samples: 50372105001, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/04/24 02:14	

LABORATORY CONTROL SAMPLE: 3605763

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: 3605764 3605765

Parameter	Units	50372105001 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	101	103	90-110	2	20	

MATRIX SPIKE SAMPLE: 3605766

Parameter	Units	50372136005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1	2.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788151 | 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: 50372105004, 50372105005, 50372105006

METHOD BLANK: 3605767 Matrix: Water
Associated Lab Samples: 50372105004, 50372105005, 50372105006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/04/24 03:08	

LABORATORY CONTROL SAMPLE: 3605768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 3605769

Parameter	Units	50372136003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.4	1	2.5	103	90-110	

MATRIX SPIKE SAMPLE: 3605770

Parameter	Units	50372182002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 788566 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3607236 Matrix: Water
Associated Lab Samples: 50372105001, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/07/24 16:46	

LABORATORY CONTROL SAMPLE: 3607237

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: 3607238 3607239

Parameter	Units	50372105001 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	10.9	11.1	92	94	80-120	2	20	

MATRIX SPIKE SAMPLE: 3607240

Parameter	Units	50371295002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	1.1	10	10.5	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17I **Lab ID: 50372105001** Collected: 05/02/24 12:20 Received: 05/02/24 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	**1.19 ± 0.690 (0.953) C:NA T:88%**	pCi/L	05/27/24 15:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.434 ± 0.305 (0.579) C:83% T:85%**	pCi/L	05/22/24 12:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.62 ± 0.995 (1.53)**	pCi/L	05/28/24 14:44	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17I MS **Lab ID: 50372105002** Collected: 05/02/24 12:20 Received: 05/02/24 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	**96.63 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/27/24 15:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**98.41 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/22/24 12:32	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17I MSD **Lab ID: 50372105003** Collected: 05/02/24 12:20 Received: 05/02/24 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	**100.52 %REC 3.94RPD ± NA (NA) C:NA T:NA**	pCi/L	05/27/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**102.32 %REC 3.89RPD ± NA (NA) C:NA T:NA**	pCi/L	05/22/24 12:32	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17IL **Lab ID: 50372105004** Collected: 05/02/24 13:20 Received: 05/02/24 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	**2.37 ± 0.766 (0.396) C:NA T:87%**	pCi/L	05/27/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.810 ± 0.371 (0.623) C:84% T:93%**	pCi/L	05/22/24 12:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.18 ± 1.14 (1.02)**	pCi/L	05/28/24 14:44	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-17D **Lab ID: 50372105005** Collected: 05/02/24 14:15 Received: 05/02/24 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	**1.81 ± 0.740 (0.797) C:NA T:86%**	pCi/L	05/27/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.369 ± 0.282 (0.548) C:86% T:89%**	pCi/L	05/22/24 12:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.18 ± 1.02 (1.35)**	pCi/L	05/28/24 14:44	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-18S **Lab ID: 50372105006** Collected: 05/02/24 13:54 Received: 05/02/24 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	**1.36 ± 0.700 (0.862) C:NA T:90%**	pCi/L	05/27/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.810 ± 0.349 (0.540) C:82% T:89%**	pCi/L	05/22/24 12:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.17 ± 1.05 (1.40)**	pCi/L	05/28/24 14:44	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Sample: MW-18D **Lab ID: 50372105007** Collected: 05/02/24 12:15 Received: 05/02/24 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	**1.05 ± 0.509 (0.513) C:NA T:93%**	pCi/L	05/27/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.273 ± 0.307 (0.641) C:80% T:87%**	pCi/L	05/22/24 12:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.32 ± 0.816 (1.15)**	pCi/L	05/28/24 14:44	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 667237
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: 50372105001, 50372105002, 50372105003, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3248796 Matrix: Water
Associated Lab Samples: 50372105001, 50372105002, 50372105003, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.651 ± 0.403 (0.755) C:76% T:87%	pCi/L	05/22/24 12:30	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

QC Batch: 667232
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: 50372105001, 50372105002, 50372105003, 50372105004, 50372105005, 50372105006, 50372105007

METHOD BLANK: 3248787 Matrix: Water
Associated Lab Samples: 50372105001, 50372105002, 50372105003, 50372105004, 50372105005, 50372105006, 50372105007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.300 ± 0.404 (0.680) C:NA T:87%	pCi/L	05/27/24 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372105001	**MW-17I**	EPA 9056	788304		
50372105004	**MW-17IL**	EPA 9056	788304		
50372105005	**MW-17D**	EPA 9056	788304		
50372105006	**MW-18S**	EPA 9056	788304		
50372105007	**MW-18D**	EPA 9056	788304		
50372105001	**MW-17I**	EPA 3010	787948	EPA 6010	788831
50372105004	**MW-17IL**	EPA 3010	787948	EPA 6010	788831
50372105005	**MW-17D**	EPA 3010	787948	EPA 6010	788831
50372105006	**MW-18S**	EPA 3010	787948	EPA 6010	788831
50372105007	**MW-18D**	EPA 3010	787948	EPA 6010	788831
50372105001	**MW-17I**	EPA 3010	788433	EPA 6010	788833
50372105004	**MW-17IL**	EPA 3010	788433	EPA 6010	788833
50372105005	**MW-17D**	EPA 3010	788433	EPA 6010	788833
50372105006	**MW-18S**	EPA 3010	788433	EPA 6010	788833
50372105007	**MW-18D**	EPA 3010	788433	EPA 6010	788833
50372105001	**MW-17I**	EPA 200.2	788120	EPA 6020	788223
50372105004	**MW-17IL**	EPA 200.2	788120	EPA 6020	788223
50372105005	**MW-17D**	EPA 200.2	788120	EPA 6020	788223
50372105006	**MW-18S**	EPA 200.2	788120	EPA 6020	788223
50372105007	**MW-18D**	EPA 200.2	788120	EPA 6020	788223
50372105001	**MW-17I**	EPA 7470	788693	EPA 7470	788906
50372105004	**MW-17IL**	EPA 7470	788693	EPA 7470	788906
50372105005	**MW-17D**	EPA 7470	788693	EPA 7470	788906
50372105006	**MW-18S**	EPA 7470	788693	EPA 7470	788906
50372105007	**MW-18D**	EPA 7470	788693	EPA 7470	788906
50372105001	**MW-17I**	EPA 903.1	667232		
50372105002	**MW-17I MS**	EPA 903.1	667232		
50372105003	**MW-17I MSD**	EPA 903.1	667232		
50372105004	**MW-17IL**	EPA 903.1	667232		
50372105005	**MW-17D**	EPA 903.1	667232		
50372105006	**MW-18S**	EPA 903.1	667232		
50372105007	**MW-18D**	EPA 903.1	667232		
50372105001	**MW-17I**	EPA 904.0	667237		
50372105002	**MW-17I MS**	EPA 904.0	667237		
50372105003	**MW-17I MSD**	EPA 904.0	667237		
50372105004	**MW-17IL**	EPA 904.0	667237		
50372105005	**MW-17D**	EPA 904.0	667237		
50372105006	**MW-18S**	EPA 904.0	667237		
50372105007	**MW-18D**	EPA 904.0	667237		
50372105001	**MW-17I**	Total Radium Calculation	671718		
50372105004	**MW-17IL**	Total Radium Calculation	671718		
50372105005	**MW-17D**	Total Radium Calculation	671718		
50372105006	**MW-18S**	Total Radium Calculation	671718		
50372105007	**MW-18D**	Total Radium Calculation	671718		
50372105001	**MW-17I**	SM 2320B	788173		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R3
Pace Project No.: 50372105

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372105004	**MW-17IL**	SM 2320B	788173		
50372105005	**MW-17D**	SM 2320B	788173		
50372105006	**MW-18S**	SM 2320B	788173		
50372105007	**MW-18D**	SM 2320B	788173		
50372105001	**MW-17I**	SM 2540C	788248		
50372105004	**MW-17IL**	SM 2540C	788248		
50372105005	**MW-17D**	SM 2540C	788248		
50372105006	**MW-18S**	SM 2540C	788248		
50372105007	**MW-18D**	SM 2540C	788248		
50372105001	**MW-17I**	SM 4500-H+B	788717		
50372105004	**MW-17IL**	SM 4500-H+B	788717		
50372105005	**MW-17D**	SM 4500-H+B	788717		
50372105006	**MW-18S**	SM 4500-H+B	788717		
50372105007	**MW-18D**	SM 4500-H+B	788717		
50372105001	**MW-17I**	EPA 353.2	788150		
50372105004	**MW-17IL**	EPA 353.2	788151		
50372105005	**MW-17D**	EPA 353.2	788151		
50372105006	**MW-18S**	EPA 353.2	788151		
50372105007	**MW-18D**	EPA 353.2	788150		
50372105001	**MW-17I**	SM 5310C	788566		
50372105004	**MW-17IL**	SM 5310C	788566		
50372105005	**MW-17D**	SM 5310C	788566		
50372105006	**MW-18S**	SM 5310C	788566		
50372105007	**MW-18D**	SM 5310C	788566		

CHAIN-OF-CUSTODY / Analytical Request Do

WO# : 50372105

50372105

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelab

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: Atlas	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	Regulatory Agency
Suite 100, Indianapolis, IN 46256		Address:	
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #: PTR3	Pace Profile #: 10498-57	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)
1	MW-17 I		WT		5/2/24	1229				8	3	1	4							X	X	X	X	X	X	X	X	
2	MW-17 IL		WT			1329				8	3	1	4							X	X	X	X	X	X	X	X	
3	MW-17 D		WT			1415				8	3	1	4							X	X	X	X	X	X	X	X	
4	MW-18 S		WT			1354				8	3	1	4							X	X	X	X	X	X	X	X	
5	MW-18 D		WT			1215				8	3	1	4							X	X	X	X	X	X	X	X	
6	MS-5		WT		↓	1220				8	3	1	4							X	X	X	X	X	X	X	X	
7	MS-5		WT		5/2/24	1220				8	3	1	4							X	X	X	X	X	X	X	X	
8			WT																	X	X	X	X	X	X	X	X	
9			WT																	X	X	X	X	X	X	X	X	
10			WT																	X	X	X	X	X	X	X	X	
11			WT																	X	X	X	X	X	X	X	X	
12																				X	X	X	X	X	X	X	X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Keegan Lowhood/Atlas	5/2/24	1630		5/2/24	16:30	0.8	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)							2.8			
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)							1.9			
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Keegan Lowhood		
SIGNATURE of SAMPLER:	Keegan Lowhood	DATE Signed:	5/2/24

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/2/24 17:43 JG

1. Courier: ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No
(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)
3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G H
4. Cooler Temperature(s): 0.1/0.8 | 2.7/2.8 | 0.9/1.0 | (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
8. EZ Bottle Order? ☐ Yes ☑ No
If yes but not on COC what is the EZ Bottle Order Number?:

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: NO3 by 3532	—	JG 5/2/24	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
Rush TAT Requested (4 days or less):		—	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			—
Custody Signatures Present?	—		Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Containers Intact?:	—		Headspace Wisconsin Sulfide?			—
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Extra labels on Terracore Vials? (soils only)			Trip Blank Present?		—	
			Trip Blank Custody Seals?:			—

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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													0			6	6	3	3	3								WT	✓	✓		
2													1			2	2	1	1	1												
3													↓			↓	↓	↓	↓	↓												
4																																
5													↓			↓	↓	↓	↓	↓								↓	↓	↓		
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 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,

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: Harding Street May 2024 P1R1
Pace Project No.: 50372183

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372183001	**MW-5D**	Water	05/03/24 10:25	05/03/24 14:15
50372183002	**MW-13S**	Water	05/03/24 11:30	05/03/24 14:15
50372183003	**MW-13D**	Water	05/03/24 10:40	05/03/24 14:15
50372183004	**DUP-1**	Water	05/03/24 08:00	05/03/24 14:15

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372183001	**MW-5D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372183002	**MW-13S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372183003	**MW-13D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372183004	**DUP-1**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	JTR	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372183001	**MW-5D**					
EPA 9056	Chloride	287	mg/L	25.0	05/10/24 07:16	
EPA 9056	Fluoride	0.78	mg/L	0.10	05/10/24 06:41	
EPA 9056	Sulfate	524	mg/L	25.0	05/10/24 07:16	
EPA 6010	Barium	41.8	ug/L	10.0	05/10/24 23:16	
EPA 6010	Boron	4010	ug/L	100	05/10/24 23:16	
EPA 6010	Calcium	257000	ug/L	2000	05/11/24 00:07	
EPA 6010	Iron	4280	ug/L	100	05/10/24 23:16	
EPA 6010	Lithium	79.0	ug/L	20.0	05/10/24 23:16	
EPA 6010	Magnesium	66900	ug/L	1000	05/10/24 23:16	
EPA 6010	Manganese	339	ug/L	10.0	05/10/24 23:16	
EPA 6010	Molybdenum	145	ug/L	10.0	05/10/24 23:16	
EPA 6010	Potassium	11000	ug/L	1000	05/10/24 23:16	
EPA 6010	Sodium	186000	ug/L	1000	05/10/24 23:16	
EPA 6010	Molybdenum, Dissolved	152	ug/L	10.0	05/10/24 09:34	
EPA 6020	Arsenic	95.5	ug/L	1.0	05/08/24 07:47	
EPA 903.1	Radium-226	0.500 ± 0.442 (0.655) C:NA T:88%	pCi/L		05/27/24 14:53	
EPA 904.0	Radium-228	0.391 ± 0.377 (0.779) C:83% T:85%	pCi/L		05/22/24 12:30	
Total Radium Calculation	Total Radium	0.891 ± 0.819 (1.43)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	330	mg/L	10.0	05/07/24 15:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	330	mg/L	10.0	05/07/24 15:19	
SM 2540C	Total Dissolved Solids	1560	mg/L	20.0	05/08/24 12:06	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	05/09/24 14:03	H3
50372183002	**MW-13S**					
EPA 9056	Chloride	229	mg/L	2.5	05/10/24 08:25	
EPA 9056	Fluoride	0.78	mg/L	0.10	05/10/24 08:08	
EPA 9056	Sulfate	523	mg/L	25.0	05/10/24 08:43	
EPA 6010	Barium	46.9	ug/L	10.0	05/10/24 23:18	
EPA 6010	Boron	12000	ug/L	100	05/10/24 23:18	
EPA 6010	Calcium	213000	ug/L	2000	05/11/24 00:09	
EPA 6010	Iron	1630	ug/L	100	05/10/24 23:18	
EPA 6010	Lithium	60.4	ug/L	20.0	05/10/24 23:18	
EPA 6010	Magnesium	49200	ug/L	1000	05/10/24 23:18	
EPA 6010	Manganese	455	ug/L	10.0	05/10/24 23:18	
EPA 6010	Molybdenum	342	ug/L	10.0	05/10/24 23:18	
EPA 6010	Potassium	13500	ug/L	1000	05/10/24 23:18	
EPA 6010	Sodium	183000	ug/L	1000	05/10/24 23:18	
EPA 6010	Molybdenum, Dissolved	348	ug/L	10.0	05/10/24 09:36	
EPA 6020	Arsenic	319	ug/L	2.0	05/11/24 00:28	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372183002	**MW-13S**					
EPA 903.1	Radium-226	0.244 ± 0.598 (1.07) C:NA T:90%	pCi/L		05/27/24 14:53	
EPA 904.0	Radium-228	0.836 ± 0.412 (0.724) C:81% T:88%	pCi/L		05/22/24 12:30	
Total Radium Calculation	Total Radium	1.08 ± 1.01 (1.79)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	323	mg/L	10.0	05/07/24 15:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	323	mg/L	10.0	05/07/24 15:19	
SM 2540C	Total Dissolved Solids	1370	mg/L	20.0	05/08/24 12:06	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/09/24 14:03	H3
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	05/08/24 22:55	
50372183003	**MW-13D**					
EPA 9056	Chloride	246	mg/L	2.5	05/10/24 11:37	
EPA 9056	Fluoride	0.55	mg/L	0.10	05/10/24 11:20	
EPA 9056	Sulfate	664	mg/L	25.0	05/10/24 11:54	
EPA 6010	Barium	33.4	ug/L	10.0	05/10/24 23:19	
EPA 6010	Boron	13300	ug/L	100	05/10/24 23:19	
EPA 6010	Calcium	272000	ug/L	2000	05/11/24 00:11	
EPA 6010	Iron	2450	ug/L	100	05/10/24 23:19	
EPA 6010	Lithium	73.2	ug/L	20.0	05/10/24 23:19	
EPA 6010	Magnesium	47900	ug/L	1000	05/10/24 23:19	
EPA 6010	Manganese	196	ug/L	10.0	05/10/24 23:19	
EPA 6010	Molybdenum	304	ug/L	10.0	05/10/24 23:19	
EPA 6010	Potassium	16600	ug/L	1000	05/10/24 23:19	
EPA 6010	Sodium	184000	ug/L	1000	05/10/24 23:19	
EPA 6010	Molybdenum, Dissolved	308	ug/L	10.0	05/10/24 09:38	
EPA 6020	Arsenic	255	ug/L	2.0	05/11/24 00:32	
EPA 903.1	Radium-226	0.158 ± 0.557 (1.03) C:NA T:93%	pCi/L		05/27/24 14:53	
EPA 904.0	Radium-228	0.788 ± 0.427 (0.774) C:78% T:85%	pCi/L		05/22/24 12:31	
Total Radium Calculation	Total Radium	0.946 ± 0.984 (1.80)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	235	mg/L	10.0	05/07/24 15:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	235	mg/L	10.0	05/07/24 15:19	
SM 2540C	Total Dissolved Solids	1600	mg/L	20.0	05/08/24 12:07	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/09/24 14:04	H3
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	1.0	05/08/24 23:15	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372183004	**DUP-1**					
EPA 9056	Chloride	280	mg/L	25.0	05/10/24 12:46	
EPA 9056	Fluoride	0.77	mg/L	0.10	05/10/24 12:12	
EPA 9056	Sulfate	519	mg/L	25.0	05/10/24 12:46	
EPA 6010	Barium	41.7	ug/L	10.0	05/10/24 23:21	
EPA 6010	Boron	4150	ug/L	100	05/10/24 23:21	
EPA 6010	Calcium	254000	ug/L	2000	05/11/24 00:12	
EPA 6010	Iron	4370	ug/L	100	05/10/24 23:21	
EPA 6010	Lithium	76.6	ug/L	20.0	05/10/24 23:21	
EPA 6010	Magnesium	68500	ug/L	1000	05/10/24 23:21	
EPA 6010	Manganese	348	ug/L	10.0	05/10/24 23:21	
EPA 6010	Molybdenum	148	ug/L	10.0	05/10/24 23:21	
EPA 6010	Potassium	10900	ug/L	1000	05/10/24 23:21	
EPA 6010	Sodium	185000	ug/L	1000	05/10/24 23:21	
EPA 6010	Molybdenum, Dissolved	153	ug/L	10.0	05/10/24 09:39	
EPA 6020	Arsenic	95.5	ug/L	1.0	05/08/24 08:07	
EPA 903.1	Radium-226	-0.246 ± 0.703 (1.37) C:NA T:94%	pCi/L		05/27/24 14:53	
EPA 904.0	Radium-228	0.715 ± 0.386 (0.687) C:82% T:84%	pCi/L		05/22/24 12:31	
Total Radium Calculation	Total Radium	0.715 ± 1.09 (2.06)	pCi/L		05/28/24 14:44	
SM 2320B	Alkalinity, Total as CaCO3	331	mg/L	10.0	05/07/24 15:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	331	mg/L	10.0	05/07/24 15:19	
SM 2540C	Total Dissolved Solids	1500	mg/L	20.0	05/08/24 12:13	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/09/24 14:05	H3
SM 5310C	Dissolved Organic Carbon	4.6	mg/L	4.0	05/09/24 10:49	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-5D **Lab ID: 50372183001** Collected: 05/03/24 10:25 Received: 05/03/24 14:15 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	**287**	mg/L	25.0	6.7	100		05/10/24 07:16	16887-00-6	
Fluoride	**0.78**	mg/L	0.10	0.017	1		05/10/24 06:41	16984-48-8	
Sulfate	**524**	mg/L	25.0	19.0	100		05/10/24 07:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**41.8**	ug/L	10.0	0.45	1	05/09/24 08:07	05/10/24 23:16	7440-39-3	
Boron	**4010**	ug/L	100	6.2	1	05/09/24 08:07	05/10/24 23:16	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 08:07	05/10/24 23:16	7440-43-9	
Calcium	**257000**	ug/L	2000	135	2	05/09/24 08:07	05/11/24 00:07	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 08:07	05/10/24 23:16	7440-47-3	
Iron	**4280**	ug/L	100	30.0	1	05/09/24 08:07	05/10/24 23:16	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 08:07	05/10/24 23:16	7439-92-1	
Lithium	**79.0**	ug/L	20.0	6.8	1	05/09/24 08:07	05/10/24 23:16	7439-93-2	
Magnesium	**66900**	ug/L	1000	33.6	1	05/09/24 08:07	05/10/24 23:16	7439-95-4	
Manganese	**339**	ug/L	10.0	1.8	1	05/09/24 08:07	05/10/24 23:16	7439-96-5	
Molybdenum	**145**	ug/L	10.0	0.78	1	05/09/24 08:07	05/10/24 23:16	7439-98-7	
Potassium	**11000**	ug/L	1000	97.8	1	05/09/24 08:07	05/10/24 23:16	7440-09-7	
Sodium	**186000**	ug/L	1000	54.8	1	05/09/24 08:07	05/10/24 23:16	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	1.1	1	05/08/24 20:22	05/10/24 09:34	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	0.26	1	05/07/24 15:30	05/08/24 07:47	7440-36-0	
Arsenic	**95.5**	ug/L	1.0	0.10	1	05/07/24 15:30	05/08/24 07:47	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/07/24 15:30	05/08/24 07:47	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/07/24 15:30	05/08/24 07:47	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/07/24 15:30	05/08/24 07:47	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/07/24 15:30	05/08/24 07:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/10/24 10:42	05/12/24 17:15	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**330**	mg/L	10.0	10.0	1		05/07/24 15:19		
Alkalinity,Bicarbonate (CaCO3)	**330**	mg/L	10.0	10.0	1		05/07/24 15:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 15:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-5D **Lab ID: 50372183001** Collected: 05/03/24 10:25 Received: 05/03/24 14:15 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	**1560**	mg/L	20.0	20.0	1		05/08/24 12:06		
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		05/09/24 14:03		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		05/04/24 03:55	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		05/09/24 10:29		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-13S **Lab ID: 50372183002** Collected: 05/03/24 11:30 Received: 05/03/24 14:15 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	**229**	mg/L	2.5	0.67	10		05/10/24 08:25	16887-00-6	
Fluoride	**0.78**	mg/L	0.10	0.017	1		05/10/24 08:08	16984-48-8	
Sulfate	**523**	mg/L	25.0	19.0	100		05/10/24 08:43	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**46.9**	ug/L	10.0	0.45	1	05/09/24 08:07	05/10/24 23:18	7440-39-3	
Boron	**12000**	ug/L	100	6.2	1	05/09/24 08:07	05/10/24 23:18	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 08:07	05/10/24 23:18	7440-43-9	
Calcium	**213000**	ug/L	2000	135	2	05/09/24 08:07	05/11/24 00:09	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 08:07	05/10/24 23:18	7440-47-3	
Iron	**1630**	ug/L	100	30.0	1	05/09/24 08:07	05/10/24 23:18	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 08:07	05/10/24 23:18	7439-92-1	
Lithium	**60.4**	ug/L	20.0	6.8	1	05/09/24 08:07	05/10/24 23:18	7439-93-2	
Magnesium	**49200**	ug/L	1000	33.6	1	05/09/24 08:07	05/10/24 23:18	7439-95-4	
Manganese	**455**	ug/L	10.0	1.8	1	05/09/24 08:07	05/10/24 23:18	7439-96-5	
Molybdenum	**342**	ug/L	10.0	0.78	1	05/09/24 08:07	05/10/24 23:18	7439-98-7	
Potassium	**13500**	ug/L	1000	97.8	1	05/09/24 08:07	05/10/24 23:18	7440-09-7	
Sodium	**183000**	ug/L	1000	54.8	1	05/09/24 08:07	05/10/24 23:18	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**348**	ug/L	10.0	1.1	1	05/08/24 20:22	05/10/24 09:36	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	0.26	1	05/07/24 15:30	05/08/24 07:59	7440-36-0	
Arsenic	**319**	ug/L	2.0	0.20	2	05/07/24 15:30	05/11/24 00:28	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/07/24 15:30	05/08/24 07:59	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/07/24 15:30	05/08/24 07:59	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/07/24 15:30	05/08/24 07:59	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/07/24 15:30	05/08/24 07:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/10/24 10:42	05/12/24 17:17	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**323**	mg/L	10.0	10.0	1		05/07/24 15:19		
Alkalinity,Bicarbonate (CaCO3)	**323**	mg/L	10.0	10.0	1		05/07/24 15:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 15:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-13S **Lab ID: 50372183002** Collected: 05/03/24 11:30 Received: 05/03/24 14:15 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	**1370**	mg/L	20.0	20.0	1		05/08/24 12:06		
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		05/09/24 14:03		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		05/04/24 04:17	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		05/08/24 22:55		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-13D **Lab ID: 50372183003** Collected: 05/03/24 10:40 Received: 05/03/24 14:15 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	**246**	mg/L	2.5	0.67	10		05/10/24 11:37	16887-00-6	
Fluoride	**0.55**	mg/L	0.10	0.017	1		05/10/24 11:20	16984-48-8	
Sulfate	**664**	mg/L	25.0	19.0	100		05/10/24 11:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**33.4**	ug/L	10.0	0.45	1	05/09/24 08:07	05/10/24 23:19	7440-39-3	
Boron	**13300**	ug/L	100	6.2	1	05/09/24 08:07	05/10/24 23:19	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 08:07	05/10/24 23:19	7440-43-9	
Calcium	**272000**	ug/L	2000	135	2	05/09/24 08:07	05/11/24 00:11	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 08:07	05/10/24 23:19	7440-47-3	
Iron	**2450**	ug/L	100	30.0	1	05/09/24 08:07	05/10/24 23:19	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 08:07	05/10/24 23:19	7439-92-1	
Lithium	**73.2**	ug/L	20.0	6.8	1	05/09/24 08:07	05/10/24 23:19	7439-93-2	
Magnesium	**47900**	ug/L	1000	33.6	1	05/09/24 08:07	05/10/24 23:19	7439-95-4	
Manganese	**196**	ug/L	10.0	1.8	1	05/09/24 08:07	05/10/24 23:19	7439-96-5	
Molybdenum	**304**	ug/L	10.0	0.78	1	05/09/24 08:07	05/10/24 23:19	7439-98-7	
Potassium	**16600**	ug/L	1000	97.8	1	05/09/24 08:07	05/10/24 23:19	7440-09-7	
Sodium	**184000**	ug/L	1000	54.8	1	05/09/24 08:07	05/10/24 23:19	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**308**	ug/L	10.0	1.1	1	05/08/24 20:22	05/10/24 09:38	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	0.26	1	05/07/24 15:30	05/08/24 08:03	7440-36-0	
Arsenic	**255**	ug/L	2.0	0.20	2	05/07/24 15:30	05/11/24 00:32	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/07/24 15:30	05/08/24 08:03	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/07/24 15:30	05/08/24 08:03	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/07/24 15:30	05/08/24 08:03	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/07/24 15:30	05/08/24 08:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/10/24 10:42	05/12/24 17:20	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		05/07/24 15:19		
Alkalinity,Bicarbonate (CaCO3)	**235**	mg/L	10.0	10.0	1		05/07/24 15:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 15:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-13D **Lab ID: 50372183003** Collected: 05/03/24 10:40 Received: 05/03/24 14:15 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	**1600**	mg/L	20.0	20.0	1		05/08/24 12:07		
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		05/09/24 14:04		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		05/04/24 04:09	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	1.0	0.25	1		05/08/24 23:15		

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: DUP-1 **Lab ID: 50372183004** Collected: 05/03/24 08:00 Received: 05/03/24 14:15 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	**280**	mg/L	25.0	6.7	100		05/10/24 12:46	16887-00-6	
Fluoride	**0.77**	mg/L	0.10	0.017	1		05/10/24 12:12	16984-48-8	
Sulfate	**519**	mg/L	25.0	19.0	100		05/10/24 12:46	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**41.7**	ug/L	10.0	0.45	1	05/09/24 08:07	05/10/24 23:21	7440-39-3	
Boron	**4150**	ug/L	100	6.2	1	05/09/24 08:07	05/10/24 23:21	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 08:07	05/10/24 23:21	7440-43-9	
Calcium	**254000**	ug/L	2000	135	2	05/09/24 08:07	05/11/24 00:12	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 08:07	05/10/24 23:21	7440-47-3	
Iron	**4370**	ug/L	100	30.0	1	05/09/24 08:07	05/10/24 23:21	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 08:07	05/10/24 23:21	7439-92-1	
Lithium	**76.6**	ug/L	20.0	6.8	1	05/09/24 08:07	05/10/24 23:21	7439-93-2	
Magnesium	**68500**	ug/L	1000	33.6	1	05/09/24 08:07	05/10/24 23:21	7439-95-4	
Manganese	**348**	ug/L	10.0	1.8	1	05/09/24 08:07	05/10/24 23:21	7439-96-5	
Molybdenum	**148**	ug/L	10.0	0.78	1	05/09/24 08:07	05/10/24 23:21	7439-98-7	
Potassium	**10900**	ug/L	1000	97.8	1	05/09/24 08:07	05/10/24 23:21	7440-09-7	
Sodium	**185000**	ug/L	1000	54.8	1	05/09/24 08:07	05/10/24 23:21	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**153**	ug/L	10.0	1.1	1	05/08/24 20:22	05/10/24 09:39	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	0.26	1	05/07/24 15:30	05/08/24 08:07	7440-36-0	
Arsenic	**95.5**	ug/L	1.0	0.10	1	05/07/24 15:30	05/08/24 08:07	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/07/24 15:30	05/08/24 08:07	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/07/24 15:30	05/08/24 08:07	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/07/24 15:30	05/08/24 08:07	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/07/24 15:30	05/08/24 08:07	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/10/24 10:42	05/12/24 17:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**331**	mg/L	10.0	10.0	1		05/07/24 15:19		
Alkalinity,Bicarbonate (CaCO3)	**331**	mg/L	10.0	10.0	1		05/07/24 15:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 15:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: DUP-1 **Lab ID: 50372183004** Collected: 05/03/24 08:00 Received: 05/03/24 14:15 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	**1500**	mg/L	20.0	20.0	1		05/08/24 12:13		
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		05/09/24 14:05		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		05/04/24 03:43	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.6**	mg/L	4.0	1.0	4		05/09/24 10:49		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788311
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3606320 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/09/24 13:51	
Fluoride	mg/L	ND	0.10	0.017	05/09/24 13:51	
Sulfate	mg/L	ND	0.25	0.19	05/09/24 13:51	

LABORATORY CONTROL SAMPLE: 3606321

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	0.97	97	80-120	
Sulfate	mg/L	5	4.6	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606322 3606323

Parameter	Units	50372183002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	229	25	25	254	249	101	80	80-120	2	15	E
Fluoride	mg/L	0.78	1	1	1.8	1.8	98	99	80-120	0	15	
Sulfate	mg/L	523	500	500	953	938	86	83	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 789004
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3609483 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/12/24 16:41	

LABORATORY CONTROL SAMPLE: 3609484

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: 3609485 3609486

Parameter	Units	50372217001 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	5.2	5.1	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788584
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3607506 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/10/24 23:13	
Boron	ug/L	ND	100	6.2	05/10/24 23:13	
Cadmium	ug/L	ND	2.0	0.60	05/10/24 23:13	
Calcium	ug/L	ND	1000	67.7	05/10/24 23:13	
Chromium	ug/L	ND	10.0	0.42	05/10/24 23:13	
Iron	ug/L	ND	100	30.0	05/10/24 23:13	
Lead	ug/L	ND	10.0	2.5	05/10/24 23:13	
Lithium	ug/L	ND	20.0	6.8	05/10/24 23:13	
Magnesium	ug/L	ND	1000	33.6	05/10/24 23:13	
Manganese	ug/L	ND	10.0	1.8	05/10/24 23:13	
Molybdenum	ug/L	ND	10.0	0.78	05/10/24 23:13	
Potassium	ug/L	ND	1000	97.8	05/10/24 23:13	
Sodium	ug/L	ND	1000	54.8	05/10/24 23:13	

LABORATORY CONTROL SAMPLE: 3607507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	977	98	80-120	
Boron	ug/L	1000	973	97	80-120	
Cadmium	ug/L	1000	926	93	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Iron	ug/L	10000	9910	99	80-120	
Lead	ug/L	1000	913	91	80-120	
Lithium	ug/L	1000	1010	101	80-120	
Magnesium	ug/L	10000	9870	99	80-120	
Manganese	ug/L	1000	949	95	80-120	
Molybdenum	ug/L	1000	980	98	80-120	
Potassium	ug/L	10000	9910	99	80-120	
Sodium	ug/L	10000	9860	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3607508 3607509

Parameter	Units	50372217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	304	1000	1000	1290	1260	98	95	75-125	2	20	
Boron	ug/L	1100	1000	1000	2080	2040	99	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3607508 3607509

Parameter	Units	50372217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	ND	1000	1000	949	927	95	93	75-125	2	20	
Calcium	ug/L	15800	10000	10000	26000	25200	102	93	75-125	3	20	
Chromium	ug/L	ND	1000	1000	1020	993	102	99	75-125	2	20	
Iron	ug/L	280	10000	10000	10400	10100	101	98	75-125	2	20	
Lead	ug/L	ND	1000	1000	905	888	90	89	75-125	2	20	
Lithium	ug/L	57.0	1000	1000	1070	1040	101	99	75-125	2	20	
Magnesium	ug/L	4490	10000	10000	14300	13900	98	94	75-125	3	20	
Manganese	ug/L	44.1	1000	1000	1010	986	96	94	75-125	2	20	
Molybdenum	ug/L	33.7	1000	1000	1040	1010	100	98	75-125	2	20	
Potassium	ug/L	3710	10000	10000	13900	13500	102	97	75-125	3	20	
Sodium	ug/L	252000	10000	10000	261000	248000	88	-43	75-125	5	20	P6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3607510 3607511

Parameter	Units	50372278001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	90.6	1000	1000	1070	1070	98	98	75-125	0	20	
Boron	ug/L	600	1000	1000	1570	1600	97	100	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	948	956	95	96	75-125	1	20	
Calcium	ug/L	249000	10000	10000	257000	244000	75	-55	75-125	5	20	P6
Chromium	ug/L	ND	1000	1000	999	1010	100	101	75-125	1	20	
Iron	ug/L	7160	10000	10000	16600	16700	94	96	75-125	1	20	
Lead	ug/L	ND	1000	1000	885	898	88	90	75-125	2	20	
Lithium	ug/L	ND	1000	1000	1030	1020	102	101	75-125	1	20	
Magnesium	ug/L	38400	10000	10000	46500	46800	81	84	75-125	1	20	
Manganese	ug/L	3240	1000	1000	4020	4030	78	79	75-125	0	20	
Molybdenum	ug/L	ND	1000	1000	994	1010	99	101	75-125	1	20	
Potassium	ug/L	2310	10000	10000	12600	12300	103	100	75-125	2	20	
Sodium	ug/L	21000	10000	10000	30600	30300	96	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788557
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3607179 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/10/24 09:07	

LABORATORY CONTROL SAMPLE: 3607180

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: 3607181 3607182

Parameter	Units	50372217001 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	22.0	1000	1000	980	1020	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788390
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3606566 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.26	05/08/24 06:31	
Arsenic	ug/L	ND	1.0	0.10	05/08/24 06:31	
Beryllium	ug/L	ND	0.20	0.020	05/08/24 06:31	
Cobalt	ug/L	ND	1.0	0.060	05/08/24 06:31	
Selenium	ug/L	ND	1.0	0.36	05/08/24 06:31	
Thallium	ug/L	ND	1.0	0.079	05/08/24 06:31	

LABORATORY CONTROL SAMPLE: 3606567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.4	106	80-120	
Arsenic	ug/L	40	40.1	100	80-120	
Beryllium	ug/L	40	38.7	97	80-120	
Cobalt	ug/L	40	41.1	103	80-120	
Selenium	ug/L	40	40.4	101	80-120	
Thallium	ug/L	40	39.4	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606568 3606569

Parameter	Units	50372217001 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	43.1	108	107	75-125	1	20	
Arsenic	ug/L	1.2	40	40	41.9	41.4	102	100	75-125	1	20	
Beryllium	ug/L	ND	40	40	40.4	40.8	101	102	75-125	1	20	
Cobalt	ug/L	ND	40	40	38.3	38.5	96	96	75-125	0	20	
Selenium	ug/L	ND	40	40	39.6	39.7	99	99	75-125	0	20	
Thallium	ug/L	ND	40	40	39.3	39.1	98	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788503
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3606920 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/07/24 15:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/24 15:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/24 15:19	

LABORATORY CONTROL SAMPLE: 3606921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.1	98	90-110	

SAMPLE DUPLICATE: 3606922

Parameter	Units	50372182002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	330	278	17	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	330	278	17	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3606923

Parameter	Units	50372217001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	461	465	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	432	435	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	28.4	29.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788651
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003

METHOD BLANK: 3607813 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/08/24 12:03	

LABORATORY CONTROL SAMPLE: 3607814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	275	92	80-120	

SAMPLE DUPLICATE: 3607815

Parameter	Units	50372175002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	182	199	9	10	

SAMPLE DUPLICATE: 3607816

Parameter	Units	50372183003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1600	1570	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788654
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183004

METHOD BLANK: 3607822 Matrix: Water
Associated Lab Samples: 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/08/24 12:12	

LABORATORY CONTROL SAMPLE: 3607823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	303	101	80-120	

SAMPLE DUPLICATE: 3607824

Parameter	Units	50372217001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	641	653	2	10	

SAMPLE DUPLICATE: 3607825

Parameter	Units	50372252004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	297	294	1	10	

SAMPLE DUPLICATE: 3607826

Parameter	Units	50372278001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	864	852	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788721
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: 50372183001, 50372183002, 50372183003, 50372183004

SAMPLE DUPLICATE: 3608082

Parameter	Units	50372217001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.2	0	2	H3

SAMPLE DUPLICATE: 3608083

Parameter	Units	50372252004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788151
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: 50372183001, 50372183004

METHOD BLANK: 3605767 Matrix: Water
Associated Lab Samples: 50372183001, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/04/24 03:08	

LABORATORY CONTROL SAMPLE: 3605768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 3605769

Parameter	Units	50372136003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.4	1	2.5	103	90-110	

MATRIX SPIKE SAMPLE: 3605770

Parameter	Units	50372182002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788152
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: 50372183002, 50372183003

METHOD BLANK: 3605772 Matrix: Water
Associated Lab Samples: 50372183002, 50372183003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/04/24 04:06	

LABORATORY CONTROL SAMPLE: 3605773

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: 3605774 3605775

Parameter	Units	50372183002 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	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 788764
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3608259 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/08/24 17:10	

LABORATORY CONTROL SAMPLE: 3608260

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: 3608261 3608262

Parameter	Units	50372217001 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	10.3	10.5	93	95	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3608263 3608264

Parameter	Units	50372278001 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	10	10	12.9	13.3	93	96	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-5D **Lab ID: 50372183001** Collected: 05/03/24 10:25 Received: 05/03/24 14:15 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	**0.500 ± 0.442 (0.655) C:NA T:88%**	pCi/L	05/27/24 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.391 ± 0.377 (0.779) C:83% T:85%**	pCi/L	05/22/24 12:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.891 ± 0.819 (1.43)**	pCi/L	05/28/24 14:44	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-13S **Lab ID: 50372183002** Collected: 05/03/24 11:30 Received: 05/03/24 14:15 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	**0.244 ± 0.598 (1.07) C:NA T:90%**	pCi/L	05/27/24 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.836 ± 0.412 (0.724) C:81% T:88%**	pCi/L	05/22/24 12:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.08 ± 1.01 (1.79)**	pCi/L	05/28/24 14:44	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: MW-13D **Lab ID: 50372183003** Collected: 05/03/24 10:40 Received: 05/03/24 14:15 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	**0.158 ± 0.557 (1.03) C:NA T:93%**	pCi/L	05/27/24 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.788 ± 0.427 (0.774) C:78% T:85%**	pCi/L	05/22/24 12:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.946 ± 0.984 (1.80)**	pCi/L	05/28/24 14:44	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Sample: DUP-1 **Lab ID: 50372183004** Collected: 05/03/24 08:00 Received: 05/03/24 14:15 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	**-0.246 ± 0.703 (1.37) C:NA T:94%**	pCi/L	05/27/24 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.715 ± 0.386 (0.687) C:82% T:84%**	pCi/L	05/22/24 12:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.715 ± 1.09 (2.06)**	pCi/L	05/28/24 14:44	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 667237
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: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3248796 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.651 ± 0.403 (0.755) C:76% T:87%	pCi/L	05/22/24 12:30	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

QC Batch: 667232
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: 50372183001, 50372183002, 50372183003, 50372183004

METHOD BLANK: 3248787 Matrix: Water
Associated Lab Samples: 50372183001, 50372183002, 50372183003, 50372183004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.300 ± 0.404 (0.680) C:NA T:87%	pCi/L	05/27/24 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372183001	**MW-5D**	EPA 9056	788311		
50372183002	**MW-13S**	EPA 9056	788311		
50372183003	**MW-13D**	EPA 9056	788311		
50372183004	**DUP-1**	EPA 9056	788311		
50372183001	**MW-5D**	EPA 3010	788584	EPA 6010	789385
50372183002	**MW-13S**	EPA 3010	788584	EPA 6010	789385
50372183003	**MW-13D**	EPA 3010	788584	EPA 6010	789385
50372183004	**DUP-1**	EPA 3010	788584	EPA 6010	789385
50372183001	**MW-5D**	EPA 3010	788557	EPA 6010	789183
50372183002	**MW-13S**	EPA 3010	788557	EPA 6010	789183
50372183003	**MW-13D**	EPA 3010	788557	EPA 6010	789183
50372183004	**DUP-1**	EPA 3010	788557	EPA 6010	789183
50372183001	**MW-5D**	EPA 200.2	788390	EPA 6020	788630
50372183002	**MW-13S**	EPA 200.2	788390	EPA 6020	788630
50372183003	**MW-13D**	EPA 200.2	788390	EPA 6020	788630
50372183004	**DUP-1**	EPA 200.2	788390	EPA 6020	788630
50372183001	**MW-5D**	EPA 7470	789004	EPA 7470	789459
50372183002	**MW-13S**	EPA 7470	789004	EPA 7470	789459
50372183003	**MW-13D**	EPA 7470	789004	EPA 7470	789459
50372183004	**DUP-1**	EPA 7470	789004	EPA 7470	789459
50372183001	**MW-5D**	EPA 903.1	667232		
50372183002	**MW-13S**	EPA 903.1	667232		
50372183003	**MW-13D**	EPA 903.1	667232		
50372183004	**DUP-1**	EPA 903.1	667232		
50372183001	**MW-5D**	EPA 904.0	667237		
50372183002	**MW-13S**	EPA 904.0	667237		
50372183003	**MW-13D**	EPA 904.0	667237		
50372183004	**DUP-1**	EPA 904.0	667237		
50372183001	**MW-5D**	Total Radium Calculation	671718		
50372183002	**MW-13S**	Total Radium Calculation	671718		
50372183003	**MW-13D**	Total Radium Calculation	671718		
50372183004	**DUP-1**	Total Radium Calculation	671718		
50372183001	**MW-5D**	SM 2320B	788503		
50372183002	**MW-13S**	SM 2320B	788503		
50372183003	**MW-13D**	SM 2320B	788503		
50372183004	**DUP-1**	SM 2320B	788503		
50372183001	**MW-5D**	SM 2540C	788651		
50372183002	**MW-13S**	SM 2540C	788651		
50372183003	**MW-13D**	SM 2540C	788651		
50372183004	**DUP-1**	SM 2540C	788654		
50372183001	**MW-5D**	SM 4500-H+B	788721		
50372183002	**MW-13S**	SM 4500-H+B	788721		
50372183003	**MW-13D**	SM 4500-H+B	788721		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372183

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372183004	**DUP-1**	SM 4500-H+B	788721		
50372183001	**MW-5D**	EPA 353.2	788151		
50372183002	**MW-13S**	EPA 353.2	788152		
50372183003	**MW-13D**	EPA 353.2	788152		
50372183004	**DUP-1**	EPA 353.2	788151		
50372183001	**MW-5D**	SM 5310C	788764		
50372183002	**MW-13S**	SM 5310C	788764		
50372183003	**MW-13D**	SM 5310C	788764		
50372183004	**DUP-1**	SM 5310C	788764		

WO# : 50372183

50372183

Pace

CHAIN-OF-CUST

The Chain-of-Custody is a … urately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pac… andard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice In…	
Company:	Atlas	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax	Project Name:	Harding Street May 2024	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:	B1R1	Pace Profile #:	10498-57

Regulatory Agency	
State / Location	
	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
1	~~MW-5S~~	WT		~~5/3/24~~																								
2	MW-5D	WT		5/3/24	1025				8	3	1	4						X	X	X	X	X	X	X	X			007
3	MW-13S	WT			1150				8	3	1	4						X	X	X	X	X	X	X	X			002
4	MW-13D	WT			1040				8	3	1	4						X	X	X	X	X	X	X	X			003
5	DUP-1	WT		5/3/24					8	3	1	4						X	X	X	X	X	X	X	X			004
6		WT																X	X	X	X	X	X	X	X			
7		WT																X	X	X	X	X	X	X	X			
8		WT																X	X	X	X	X	X	X	X			
9		WT																X	X	X	X	X	X	X	X			
10		WT																X	X	X	X	X	X	X	X			
11		WT																X	X	X	X	X	X	X	X			
12		WT																X	X	X	X	X	X	X	X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Keegan Lowhood/Atlas	5/3/24	1415	PACE	5/3/24	1415	1.5	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Keegan Lowhood					
SIGNATURE of SAMPLER:		DATE Signed:				

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TW 5/3/24 1445

1. Courier: ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)
3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G H
4. Cooler Temperature(s): (Initial/Corrected) 1.7/1.5 | 1.4/1.2 | | | 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
8. EZ Bottle Order? ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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: 1521	
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)			✓
Headspace Wisconsin Sulfide?			✓
Headspace in VOA Vials (>6mm): See Containter Count form for details			No VOA Vials Sent
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED 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											3		1			2	2	1	1	1								WT	✓	✓		
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 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,

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: Harding Street May 2024 P1R1
Pace Project No.: 50372288

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372288001	**MW-8S**	Water	05/06/24 14:00	05/06/24 16:22
50372288002	**MW-8D**	Water	05/06/24 11:05	05/06/24 16:22
50372288003	**MW-1S**	Water	05/06/24 11:20	05/06/24 16:22
50372288004	**MW-1D**	Water	05/06/24 14:35	05/06/24 16:22

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372288001	**MW-8S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372288002	**MW-8D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372288003	**MW-1S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372288004	**MW-1D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372288001	**MW-8S**					
EPA 9056	Chloride	185	mg/L	2.5	05/10/24 22:57	
EPA 9056	Fluoride	0.15	mg/L	0.10	05/10/24 22:40	
EPA 9056	Sulfate	301	mg/L	2.5	05/10/24 22:57	
EPA 6010	Barium	27.6	ug/L	10.0	05/10/24 03:22	
EPA 6010	Boron	4390	ug/L	100	05/10/24 03:22	
EPA 6010	Calcium	163000	ug/L	1000	05/10/24 03:22	
EPA 6010	Lithium	78.9	ug/L	20.0	05/10/24 03:22	
EPA 6010	Magnesium	50200	ug/L	1000	05/10/24 03:22	
EPA 6010	Manganese	16.9	ug/L	10.0	05/10/24 03:22	
EPA 6010	Molybdenum	209	ug/L	10.0	05/10/24 03:22	
EPA 6010	Potassium	14500	ug/L	1000	05/10/24 03:22	
EPA 6010	Sodium	119000	ug/L	1000	05/10/24 03:22	
EPA 6010	Molybdenum, Dissolved	196	ug/L	10.0	05/10/24 11:18	
EPA 6020	Selenium	3.2	ug/L	1.0	05/08/24 20:03	
EPA 903.1	Radium-226	-0.195 ± 0.470 (0.983) C:NA T:92%	pCi/L		05/27/24 13:56	
EPA 904.0	Radium-228	0.108 ± 0.324 (0.733) C:77% T:83%	pCi/L		05/21/24 14:27	
Total Radium Calculation	Total Radium	0.108 ± 0.794 (1.72)	pCi/L		05/28/24 14:05	
SM 2320B	Alkalinity, Total as CaCO3	383	mg/L	10.0	05/07/24 20:37	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	383	mg/L	10.0	05/07/24 20:37	
SM 2540C	Total Dissolved Solids	1030	mg/L	20.0	05/08/24 12:21	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	05/09/24 12:07	H3
EPA 353.2	Nitrogen, Nitrate	0.79	mg/L	0.10	05/06/24 22:56	
SM 5310C	Dissolved Organic Carbon	4.0	mg/L	1.0	05/13/24 16:15	
50372288002	**MW-8D**					
EPA 9056	Chloride	178	mg/L	2.5	05/10/24 19:52	
EPA 9056	Fluoride	0.29	mg/L	0.10	05/10/24 19:35	
EPA 9056	Sulfate	155	mg/L	2.5	05/10/24 19:52	
EPA 6010	Barium	264	ug/L	10.0	05/10/24 03:24	
EPA 6010	Boron	516	ug/L	100	05/10/24 03:24	
EPA 6010	Calcium	115000	ug/L	1000	05/10/24 03:24	
EPA 6010	Iron	3070	ug/L	100	05/10/24 03:24	
EPA 6010	Magnesium	33500	ug/L	1000	05/10/24 03:24	
EPA 6010	Manganese	614	ug/L	10.0	05/10/24 03:24	
EPA 6010	Molybdenum	48.5	ug/L	10.0	05/10/24 03:24	
EPA 6010	Potassium	4970	ug/L	1000	05/10/24 03:24	
EPA 6010	Sodium	87900	ug/L	1000	05/10/24 03:24	
EPA 6010	Molybdenum, Dissolved	48.7	ug/L	10.0	05/10/24 11:20	
EPA 6020	Arsenic	3.6	ug/L	1.0	05/08/24 20:14	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372288002	**MW-8D**					
EPA 903.1	Radium-226	1.32 ± 1.22 (1.93) C:NA T:92%	pCi/L		05/31/24 15:46	
EPA 904.0	Radium-228	0.728 ± 0.413 (0.745) C:76% T:86%	pCi/L		05/21/24 14:38	
Total Radium Calculation	Total Radium	2.05 ± 1.63 (2.68)	pCi/L		06/03/24 15:46	
SM 2320B	Alkalinity, Total as CaCO3	273	mg/L	10.0	05/07/24 20:37	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	10.0	05/07/24 20:37	
SM 2540C	Total Dissolved Solids	650	mg/L	20.0	05/08/24 12:27	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/09/24 12:08	H3
SM 5310C	Dissolved Organic Carbon	3.3	mg/L	1.0	05/13/24 16:50	
50372288003	**MW-1S**					
EPA 9056	Chloride	126	mg/L	2.5	05/11/24 00:22	
EPA 9056	Fluoride	0.35	mg/L	0.10	05/11/24 00:05	
EPA 9056	Sulfate	91.6	mg/L	2.5	05/11/24 00:22	
EPA 6010	Barium	57.6	ug/L	10.0	05/10/24 03:39	
EPA 6010	Boron	163	ug/L	100	05/10/24 03:39	
EPA 6010	Calcium	69200	ug/L	1000	05/10/24 03:39	
EPA 6010	Iron	1880	ug/L	100	05/10/24 03:39	
EPA 6010	Magnesium	21300	ug/L	1000	05/10/24 03:39	
EPA 6010	Manganese	149	ug/L	10.0	05/10/24 03:39	
EPA 6010	Molybdenum	21.0	ug/L	10.0	05/10/24 03:39	
EPA 6010	Potassium	5420	ug/L	1000	05/10/24 03:39	
EPA 6010	Sodium	100000	ug/L	1000	05/10/24 03:39	
EPA 6010	Molybdenum, Dissolved	20.2	ug/L	10.0	05/10/24 11:22	
EPA 6020	Arsenic	5.1	ug/L	1.0	05/08/24 20:18	
EPA 903.1	Radium-226	0.898 ± 0.621 (0.880) C:NA T:90%	pCi/L		05/27/24 13:56	
EPA 904.0	Radium-228	1.11 ± 0.525 (0.894) C:73% T:83%	pCi/L		05/21/24 14:27	
Total Radium Calculation	Total Radium	2.01 ± 1.15 (1.77)	pCi/L		05/28/24 14:05	
SM 2320B	Alkalinity, Total as CaCO3	242	mg/L	10.0	05/07/24 20:37	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	10.0	05/07/24 20:37	
SM 2540C	Total Dissolved Solids	513	mg/L	10.0	05/08/24 12:28	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/09/24 12:09	H3
SM 5310C	Dissolved Organic Carbon	4.1	mg/L	1.0	05/13/24 17:02	
50372288004	**MW-1D**					
EPA 9056	Chloride	154	mg/L	2.5	05/11/24 00:55	
EPA 9056	Fluoride	0.39	mg/L	0.10	05/11/24 00:38	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372288004	**MW-1D**					
EPA 9056	Sulfate	97.1	mg/L	2.5	05/11/24 00:55	
EPA 6010	Barium	101	ug/L	10.0	05/10/24 03:41	
EPA 6010	Boron	137	ug/L	100	05/10/24 03:41	
EPA 6010	Calcium	79100	ug/L	1000	05/10/24 03:41	
EPA 6010	Iron	3290	ug/L	100	05/10/24 03:41	
EPA 6010	Magnesium	21700	ug/L	1000	05/10/24 03:41	
EPA 6010	Manganese	157	ug/L	10.0	05/10/24 03:41	
EPA 6010	Molybdenum	20.4	ug/L	10.0	05/10/24 03:41	
EPA 6010	Potassium	5670	ug/L	1000	05/10/24 03:41	
EPA 6010	Sodium	117000	ug/L	1000	05/10/24 03:41	
EPA 6010	Molybdenum, Dissolved	20.5	ug/L	10.0	05/10/24 11:24	
EPA 6020	Arsenic	6.1	ug/L	1.0	05/08/24 20:21	
EPA 903.1	Radium-226	0.332 ± 0.595 (1.04) C:NA T:90%	pCi/L		05/27/24 13:56	
EPA 904.0	Radium-228	0.554 ± 0.419 (0.813) C:76% T:80%	pCi/L		05/21/24 14:28	
Total Radium Calculation	Total Radium	0.886 ± 1.01 (1.85)	pCi/L		05/28/24 14:05	
SM 2320B	Alkalinity, Total as CaCO3	273	mg/L	10.0	05/07/24 20:37	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	10.0	05/07/24 20:37	
SM 2540C	Total Dissolved Solids	580	mg/L	10.0	05/08/24 12:29	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/09/24 12:10	H3
SM 5310C	Dissolved Organic Carbon	3.7	mg/L	1.0	05/13/24 17:14	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-8S **Lab ID: 50372288001** Collected: 05/06/24 14:00 Received: 05/06/24 16:22 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	**185**	mg/L	2.5	0.67	10		05/10/24 22:57	16887-00-6	
Fluoride	**0.15**	mg/L	0.10	0.017	1		05/10/24 22:40	16984-48-8	
Sulfate	**301**	mg/L	2.5	1.9	10		05/10/24 22:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**27.6**	ug/L	10.0	0.45	1	05/09/24 15:58	05/10/24 03:22	7440-39-3	
Boron	**4390**	ug/L	100	6.2	1	05/09/24 15:58	05/10/24 03:22	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 15:58	05/10/24 03:22	7440-43-9	
Calcium	**163000**	ug/L	1000	67.7	1	05/09/24 15:58	05/10/24 03:22	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 15:58	05/10/24 03:22	7440-47-3	
Iron	ND	ug/L	100	30.0	1	05/09/24 15:58	05/10/24 03:22	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 15:58	05/10/24 03:22	7439-92-1	
Lithium	**78.9**	ug/L	20.0	6.8	1	05/09/24 15:58	05/10/24 03:22	7439-93-2	
Magnesium	**50200**	ug/L	1000	33.6	1	05/09/24 15:58	05/10/24 03:22	7439-95-4	
Manganese	**16.9**	ug/L	10.0	1.8	1	05/09/24 15:58	05/10/24 03:22	7439-96-5	
Molybdenum	**209**	ug/L	10.0	0.78	1	05/09/24 15:58	05/10/24 03:22	7439-98-7	
Potassium	**14500**	ug/L	1000	97.8	1	05/09/24 15:58	05/10/24 03:22	7440-09-7	
Sodium	**119000**	ug/L	1000	54.8	1	05/09/24 15:58	05/10/24 03:22	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**196**	ug/L	10.0	1.1	1	05/09/24 22:04	05/10/24 11:18	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	0.49	1	05/08/24 07:45	05/08/24 20:03	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	05/08/24 07:45	05/08/24 20:03	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/08/24 07:45	05/08/24 20:03	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/08/24 07:45	05/08/24 20:03	7440-48-4	
Selenium	**3.2**	ug/L	1.0	0.20	1	05/08/24 07:45	05/08/24 20:03	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/08/24 07:45	05/08/24 20:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/13/24 18:48	05/14/24 18:23	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**383**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Bicarbonate (CaCO3)	**383**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 20:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-8S **Lab ID: 50372288001** Collected: 05/06/24 14:00 Received: 05/06/24 16:22 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	**1030**	mg/L	20.0	20.0	1		05/08/24 12:21		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		05/09/24 12:07		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.79**	mg/L	0.10	0.013	1		05/06/24 22:56	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.0**	mg/L	1.0	0.25	1		05/13/24 16:15		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-8D **Lab ID: 50372288002** Collected: 05/06/24 11:05 Received: 05/06/24 16:22 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	**178**	mg/L	2.5	0.67	10		05/10/24 19:52	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.017	1		05/10/24 19:35	16984-48-8	
Sulfate	**155**	mg/L	2.5	1.9	10		05/10/24 19:52	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**264**	ug/L	10.0	0.45	1	05/09/24 15:58	05/10/24 03:24	7440-39-3	
Boron	**516**	ug/L	100	6.2	1	05/09/24 15:58	05/10/24 03:24	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 15:58	05/10/24 03:24	7440-43-9	
Calcium	**115000**	ug/L	1000	67.7	1	05/09/24 15:58	05/10/24 03:24	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 15:58	05/10/24 03:24	7440-47-3	
Iron	**3070**	ug/L	100	30.0	1	05/09/24 15:58	05/10/24 03:24	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 15:58	05/10/24 03:24	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/09/24 15:58	05/10/24 03:24	7439-93-2	
Magnesium	**33500**	ug/L	1000	33.6	1	05/09/24 15:58	05/10/24 03:24	7439-95-4	
Manganese	**614**	ug/L	10.0	1.8	1	05/09/24 15:58	05/10/24 03:24	7439-96-5	
Molybdenum	**48.5**	ug/L	10.0	0.78	1	05/09/24 15:58	05/10/24 03:24	7439-98-7	
Potassium	**4970**	ug/L	1000	97.8	1	05/09/24 15:58	05/10/24 03:24	7440-09-7	
Sodium	**87900**	ug/L	1000	54.8	1	05/09/24 15:58	05/10/24 03:24	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	1.1	1	05/09/24 22:04	05/10/24 11:20	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	0.49	1	05/08/24 07:45	05/08/24 20:14	7440-36-0	
Arsenic	**3.6**	ug/L	1.0	0.075	1	05/08/24 07:45	05/08/24 20:14	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/08/24 07:45	05/08/24 20:14	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/08/24 07:45	05/08/24 20:14	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/08/24 07:45	05/08/24 20:14	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/08/24 07:45	05/08/24 20:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/13/24 18:48	05/14/24 18:26	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**273**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Bicarbonate (CaCO3)	**273**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 20:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-8D **Lab ID: 50372288002** Collected: 05/06/24 11:05 Received: 05/06/24 16:22 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	**650**	mg/L	20.0	20.0	1		05/08/24 12:27		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/09/24 12:08		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		05/06/24 22:53	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.3**	mg/L	1.0	0.25	1		05/13/24 16:50		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-1S **Lab ID: 50372288003** Collected: 05/06/24 11:20 Received: 05/06/24 16:22 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	0.67	10		05/11/24 00:22	16887-00-6	
Fluoride	**0.35**	mg/L	0.10	0.017	1		05/11/24 00:05	16984-48-8	
Sulfate	**91.6**	mg/L	2.5	1.9	10		05/11/24 00:22	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**57.6**	ug/L	10.0	0.45	1	05/09/24 15:58	05/10/24 03:39	7440-39-3	
Boron	**163**	ug/L	100	6.2	1	05/09/24 15:58	05/10/24 03:39	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 15:58	05/10/24 03:39	7440-43-9	
Calcium	**69200**	ug/L	1000	67.7	1	05/09/24 15:58	05/10/24 03:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 15:58	05/10/24 03:39	7440-47-3	
Iron	**1880**	ug/L	100	30.0	1	05/09/24 15:58	05/10/24 03:39	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 15:58	05/10/24 03:39	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/09/24 15:58	05/10/24 03:39	7439-93-2	
Magnesium	**21300**	ug/L	1000	33.6	1	05/09/24 15:58	05/10/24 03:39	7439-95-4	
Manganese	**149**	ug/L	10.0	1.8	1	05/09/24 15:58	05/10/24 03:39	7439-96-5	
Molybdenum	**21.0**	ug/L	10.0	0.78	1	05/09/24 15:58	05/10/24 03:39	7439-98-7	
Potassium	**5420**	ug/L	1000	97.8	1	05/09/24 15:58	05/10/24 03:39	7440-09-7	
Sodium	**100000**	ug/L	1000	54.8	1	05/09/24 15:58	05/10/24 03:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**20.2**	ug/L	10.0	1.1	1	05/09/24 22:04	05/10/24 11:22	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	0.49	1	05/08/24 07:45	05/08/24 20:18	7440-36-0	
Arsenic	**5.1**	ug/L	1.0	0.075	1	05/08/24 07:45	05/08/24 20:18	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/08/24 07:45	05/08/24 20:18	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/08/24 07:45	05/08/24 20:18	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/08/24 07:45	05/08/24 20:18	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/08/24 07:45	05/08/24 20:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/13/24 18:48	05/14/24 18:28	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**242**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Bicarbonate (CaCO3)	**242**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 20:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-1S **Lab ID: 50372288003** Collected: 05/06/24 11:20 Received: 05/06/24 16:22 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	**513**	mg/L	10.0	10.0	1		05/08/24 12:28		
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		05/09/24 12:09		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		05/06/24 22:55	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**4.1**	mg/L	1.0	0.25	1		05/13/24 17:02		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-1D **Lab ID: 50372288004** Collected: 05/06/24 14:35 Received: 05/06/24 16:22 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	**154**	mg/L	2.5	0.67	10		05/11/24 00:55	16887-00-6	
Fluoride	**0.39**	mg/L	0.10	0.017	1		05/11/24 00:38	16984-48-8	
Sulfate	**97.1**	mg/L	2.5	1.9	10		05/11/24 00:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**101**	ug/L	10.0	0.45	1	05/09/24 15:58	05/10/24 03:41	7440-39-3	
Boron	**137**	ug/L	100	6.2	1	05/09/24 15:58	05/10/24 03:41	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/09/24 15:58	05/10/24 03:41	7440-43-9	
Calcium	**79100**	ug/L	1000	67.7	1	05/09/24 15:58	05/10/24 03:41	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/09/24 15:58	05/10/24 03:41	7440-47-3	
Iron	**3290**	ug/L	100	30.0	1	05/09/24 15:58	05/10/24 03:41	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/09/24 15:58	05/10/24 03:41	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/09/24 15:58	05/10/24 03:41	7439-93-2	
Magnesium	**21700**	ug/L	1000	33.6	1	05/09/24 15:58	05/10/24 03:41	7439-95-4	
Manganese	**157**	ug/L	10.0	1.8	1	05/09/24 15:58	05/10/24 03:41	7439-96-5	
Molybdenum	**20.4**	ug/L	10.0	0.78	1	05/09/24 15:58	05/10/24 03:41	7439-98-7	
Potassium	**5670**	ug/L	1000	97.8	1	05/09/24 15:58	05/10/24 03:41	7440-09-7	
Sodium	**117000**	ug/L	1000	54.8	1	05/09/24 15:58	05/10/24 03:41	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**20.5**	ug/L	10.0	1.1	1	05/09/24 22:04	05/10/24 11:24	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	0.49	1	05/08/24 07:45	05/08/24 20:21	7440-36-0	
Arsenic	**6.1**	ug/L	1.0	0.075	1	05/08/24 07:45	05/08/24 20:21	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/08/24 07:45	05/08/24 20:21	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/08/24 07:45	05/08/24 20:21	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/08/24 07:45	05/08/24 20:21	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/08/24 07:45	05/08/24 20:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/13/24 18:48	05/14/24 18:31	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**273**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Bicarbonate (CaCO3)	**273**	mg/L	10.0	10.0	1		05/07/24 20:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/07/24 20:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-1D **Lab ID: 50372288004** Collected: 05/06/24 14:35 Received: 05/06/24 16:22 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	**580**	mg/L	10.0	10.0	1		05/08/24 12:29		
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		05/09/24 12:10		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		05/06/24 23:02	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.7**	mg/L	1.0	0.25	1		05/13/24 17:14		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788743
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3608176 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/10/24 11:01	
Fluoride	mg/L	ND	0.10	0.017	05/10/24 11:01	
Sulfate	mg/L	ND	0.25	0.19	05/10/24 11:01	

LABORATORY CONTROL SAMPLE: 3608177

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	0.97	97	80-120	
Sulfate	mg/L	5	4.9	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3608178 3608179

Parameter	Units	50372217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	66.2	25	25	89.5	89.1	93	92	80-120	0	15	
Fluoride	mg/L	2.9	1	1	3.9	3.9	102	101	80-120	0	15	
Sulfate	mg/L	64.4	50	50	111	111	93	93	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3608180 3608181

Parameter	Units	50372278001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.8	2.5	2.5	27.4	27.5	104	108	80-120	0	15	E
Fluoride	mg/L	ND	1	1	1.1	1.1	100	101	80-120	1	15	
Sulfate	mg/L	290	50	50	336	334	92	89	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 789230
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3610804 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/14/24 17:27	

LABORATORY CONTROL SAMPLE: 3610805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3610806 3610807

Parameter	Units	50372278001 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	4.6	4.8	91	96	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788879
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3609038 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/10/24 03:18	
Boron	ug/L	ND	100	6.2	05/10/24 03:18	
Cadmium	ug/L	ND	2.0	0.60	05/10/24 03:18	
Calcium	ug/L	ND	1000	67.7	05/10/24 03:18	
Chromium	ug/L	ND	10.0	0.42	05/10/24 03:18	
Iron	ug/L	ND	100	30.0	05/10/24 03:18	
Lead	ug/L	ND	10.0	2.5	05/10/24 03:18	
Lithium	ug/L	ND	20.0	6.8	05/10/24 03:18	
Magnesium	ug/L	ND	1000	33.6	05/10/24 03:18	
Manganese	ug/L	ND	10.0	1.8	05/10/24 03:18	
Molybdenum	ug/L	ND	10.0	0.78	05/10/24 03:18	
Potassium	ug/L	ND	1000	97.8	05/10/24 03:18	
Sodium	ug/L	ND	1000	54.8	05/10/24 03:18	

LABORATORY CONTROL SAMPLE: 3609039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	974	97	80-120	
Boron	ug/L	1000	942	94	80-120	
Cadmium	ug/L	1000	947	95	80-120	
Calcium	ug/L	10000	9800	98	80-120	
Chromium	ug/L	1000	960	96	80-120	
Iron	ug/L	10000	9640	96	80-120	
Lead	ug/L	1000	926	93	80-120	
Lithium	ug/L	1000	1010	101	80-120	
Magnesium	ug/L	10000	9570	96	80-120	
Manganese	ug/L	1000	955	95	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9810	98	80-120	
Sodium	ug/L	10000	9730	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3609040 3609041

Parameter	Units	50372310003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	65.9	1000	1000	1030	1020	96	96	75-125	1	20	
Boron	ug/L	<100	1000	1000	985	992	97	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3609040 3609041

Parameter	Units	50372310003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	<2.0	1000	1000	955	956	96	96	75-125	0	20	
Calcium	ug/L	104000	10000	10000	111000	112000	70	82	75-125	1	20	P6
Chromium	ug/L	<10.0	1000	1000	943	949	94	95	75-125	1	20	
Iron	ug/L	<100	10000	10000	9540	9680	95	97	75-125	1	20	
Lead	ug/L	<10.0	1000	1000	900	902	90	90	75-125	0	20	
Lithium	ug/L	<20.0	1000	1000	993	983	99	98	75-125	1	20	
Magnesium	ug/L	30300	10000	10000	39100	39400	88	91	75-125	1	20	
Manganese	ug/L	<10.0	1000	1000	944	943	94	94	75-125	0	20	
Molybdenum	ug/L	<10.0	1000	1000	1020	1020	102	102	75-125	0	20	
Potassium	ug/L	74500	10000	10000	83300	83000	88	85	75-125	0	20	
Sodium	ug/L	66900	10000	10000	75000	74900	81	80	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788890
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3609083 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/10/24 10:58	

LABORATORY CONTROL SAMPLE: 3609084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	994	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3609085 3609086

Parameter	Units	50372278001 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	992	985	99	98	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3609087 3609088

Parameter	Units	50372310003 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	985	981	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788586
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3607520 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	05/08/24 19:19	
Arsenic	ug/L	ND	1.0	0.075	05/08/24 19:19	
Beryllium	ug/L	ND	0.20	0.035	05/08/24 19:19	
Cobalt	ug/L	ND	1.0	0.046	05/08/24 19:19	
Selenium	ug/L	ND	1.0	0.20	05/08/24 19:19	
Thallium	ug/L	ND	1.0	0.040	05/08/24 19:19	

LABORATORY CONTROL SAMPLE: 3607521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.2	103	80-120	
Arsenic	ug/L	40	39.0	98	80-120	
Beryllium	ug/L	40	39.8	100	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	41.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3607522 3607523

Parameter	Units	50372278001 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	42.0	41.6	105	104	75-125	1	20	
Arsenic	ug/L	2.7	40	40	41.3	41.4	96	97	75-125	0	20	
Beryllium	ug/L	ND	40	40	39.5	39.1	99	98	75-125	1	20	
Cobalt	ug/L	1.9	40	40	40.5	40.4	97	96	75-125	0	20	
Selenium	ug/L	ND	40	40	38.6	39.8	96	99	75-125	3	20	
Thallium	ug/L	ND	40	40	42.9	42.3	107	106	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788610 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3607644 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/07/24 20:37	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/24 20:37	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/07/24 20:37	

LABORATORY CONTROL SAMPLE: 3607645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.2	100	90-110	

SAMPLE DUPLICATE: 3607646

Parameter	Units	50372250004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	184	187	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	184	187	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3607647

Parameter	Units	50372278001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	497	505	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	497	505	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788654
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001

METHOD BLANK: 3607822 Matrix: Water
Associated Lab Samples: 50372288001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/08/24 12:12	

LABORATORY CONTROL SAMPLE: 3607823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	303	101	80-120	

SAMPLE DUPLICATE: 3607824

Parameter	Units	50372217001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	641	653	2	10	

SAMPLE DUPLICATE: 3607825

Parameter	Units	50372252004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	297	294	1	10	

SAMPLE DUPLICATE: 3607826

Parameter	Units	50372278001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	864	852	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788656
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288002, 50372288003, 50372288004

METHOD BLANK: 3607827 Matrix: Water
Associated Lab Samples: 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/08/24 12:27	

LABORATORY CONTROL SAMPLE: 3607828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	263	88	80-120	

SAMPLE DUPLICATE: 3607829

Parameter	Units	50372288002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	650	652	0	10	

SAMPLE DUPLICATE: 3607900

Parameter	Units	50372307002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	940	896	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788959
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: 50372288001, 50372288002, 50372288003, 50372288004

SAMPLE DUPLICATE: 3609292

Parameter	Units	50372278001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.0	0	2	H3

SAMPLE DUPLICATE: 3609293

Parameter	Units	50372299001 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 788408
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: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3606686 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/06/24 22:17	

LABORATORY CONTROL SAMPLE: 3606687

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: 3606688 3606689

Parameter	Units	50372250004 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	1	1	3.8	3.8	84	85	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606690 3606691

Parameter	Units	50372278001 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	0.81	0.81	81	81	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 789530 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3612686 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/13/24 14:36	

LABORATORY CONTROL SAMPLE: 3612687

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: 3612688 3612689

Parameter	Units	50372278003 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	2.0	10	10	11.9	11.6	99	96	80-120	3	20	

MATRIX SPIKE SAMPLE: 3612690

Parameter	Units	50372298002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	4.8	10	13.3	85	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-8S **Lab ID: 50372288001** Collected: 05/06/24 14:00 Received: 05/06/24 16:22 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 ± 0.470 (0.983) C:NA T:92%**	pCi/L	05/27/24 13:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.108 ± 0.324 (0.733) C:77% T:83%**	pCi/L	05/21/24 14:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.108 ± 0.794 (1.72)**	pCi/L	05/28/24 14:05	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-8D **Lab ID: 50372288002** Collected: 05/06/24 11:05 Received: 05/06/24 16:22 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	**1.32 ± 1.22 (1.93) C:NA T:92%**	pCi/L	05/31/24 15:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.728 ± 0.413 (0.745) C:76% T:86%**	pCi/L	05/21/24 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.05 ± 1.63 (2.68)**	pCi/L	06/03/24 15:46	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-1S **Lab ID: 50372288003** Collected: 05/06/24 11:20 Received: 05/06/24 16:22 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	**0.898 ± 0.621 (0.880) C:NA T:90%**	pCi/L	05/27/24 13:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.11 ± 0.525 (0.894) C:73% T:83%**	pCi/L	05/21/24 14:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.01 ± 1.15 (1.77)**	pCi/L	05/28/24 14:05	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Sample: MW-1D **Lab ID: 50372288004** Collected: 05/06/24 14:35 Received: 05/06/24 16:22 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	**0.332 ± 0.595 (1.04) C:NA T:90%**	pCi/L	05/27/24 13:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.554 ± 0.419 (0.813) C:76% T:80%**	pCi/L	05/21/24 14:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.886 ± 1.01 (1.85)**	pCi/L	05/28/24 14:05	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 667548
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: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3250435 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.237 (0.501) C:NA T:94%	pCi/L	05/27/24 13:56	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

QC Batch: 667549
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: 50372288001, 50372288002, 50372288003, 50372288004

METHOD BLANK: 3250436 Matrix: Water
Associated Lab Samples: 50372288001, 50372288002, 50372288003, 50372288004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0842 ± 0.330 (0.751) C:75% T:85%	pCi/L	05/21/24 14:27	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372288001	**MW-8S**	EPA 9056	788743		
50372288002	**MW-8D**	EPA 9056	788743		
50372288003	**MW-1S**	EPA 9056	788743		
50372288004	**MW-1D**	EPA 9056	788743		
50372288001	**MW-8S**	EPA 3010	788879	EPA 6010	789153
50372288002	**MW-8D**	EPA 3010	788879	EPA 6010	789153
50372288003	**MW-1S**	EPA 3010	788879	EPA 6010	789153
50372288004	**MW-1D**	EPA 3010	788879	EPA 6010	789153
50372288001	**MW-8S**	EPA 3010	788890	EPA 6010	789185
50372288002	**MW-8D**	EPA 3010	788890	EPA 6010	789185
50372288003	**MW-1S**	EPA 3010	788890	EPA 6010	789185
50372288004	**MW-1D**	EPA 3010	788890	EPA 6010	789185
50372288001	**MW-8S**	EPA 200.2	788586	EPA 6020	788785
50372288002	**MW-8D**	EPA 200.2	788586	EPA 6020	788785
50372288003	**MW-1S**	EPA 200.2	788586	EPA 6020	788785
50372288004	**MW-1D**	EPA 200.2	788586	EPA 6020	788785
50372288001	**MW-8S**	EPA 7470	789230	EPA 7470	789894
50372288002	**MW-8D**	EPA 7470	789230	EPA 7470	789894
50372288003	**MW-1S**	EPA 7470	789230	EPA 7470	789894
50372288004	**MW-1D**	EPA 7470	789230	EPA 7470	789894
50372288001	**MW-8S**	EPA 903.1	667548		
50372288002	**MW-8D**	EPA 903.1	667548		
50372288003	**MW-1S**	EPA 903.1	667548		
50372288004	**MW-1D**	EPA 903.1	667548		
50372288001	**MW-8S**	EPA 904.0	667549		
50372288002	**MW-8D**	EPA 904.0	667549		
50372288003	**MW-1S**	EPA 904.0	667549		
50372288004	**MW-1D**	EPA 904.0	667549		
50372288001	**MW-8S**	Total Radium Calculation	671703		
50372288002	**MW-8D**	Total Radium Calculation	672833		
50372288003	**MW-1S**	Total Radium Calculation	671703		
50372288004	**MW-1D**	Total Radium Calculation	671703		
50372288001	**MW-8S**	SM 2320B	788610		
50372288002	**MW-8D**	SM 2320B	788610		
50372288003	**MW-1S**	SM 2320B	788610		
50372288004	**MW-1D**	SM 2320B	788610		
50372288001	**MW-8S**	SM 2540C	788654		
50372288002	**MW-8D**	SM 2540C	788656		
50372288003	**MW-1S**	SM 2540C	788656		
50372288004	**MW-1D**	SM 2540C	788656		
50372288001	**MW-8S**	SM 4500-H+B	788959		
50372288002	**MW-8D**	SM 4500-H+B	788959		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372288

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372288003	**MW-1S**	SM 4500-H+B	788959		
50372288004	**MW-1D**	SM 4500-H+B	788959		
50372288001	**MW-8S**	EPA 353.2	788408		
50372288002	**MW-8D**	EPA 353.2	788408		
50372288003	**MW-1S**	EPA 353.2	788408		
50372288004	**MW-1D**	EPA 353.2	788408		
50372288001	**MW-8S**	SM 5310C	789530		
50372288002	**MW-8D**	SM 5310C	789530		
50372288003	**MW-1S**	SM 5310C	789530		
50372288004	**MW-1D**	SM 5310C	789530		

WO# : 50372288

50372288

CHAIN-OF-CUSTODY / Analytical Request Do

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacela

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Atlas	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street May 2024	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:	P1R1	Pace Profile #:	10498-57

Regulatory Agency	
State / Location	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
	MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS																	Requested Analysis Filtered (Y/N)										
1	MW-8S	WT		5/6/24	1400				8	3	1	4							x	x	x	x	x	x	x	x		001
2	MW-8D	WT			1105				8	3	1	4							x	x	x	x	x	x	x	x		002
3	MW-1S	WT			1120				8	3	1	4							x	x	x	x	x	x	x	x		003
4	MW-1D	WT		5/6/24	1435				8	3	1	4							x	x	x	x	x	x	x	x		004
5		WT																	x	x	x	x	x	x	x	x		
6		WT																	x	x	x	x	x	x	x	x		
7		WT																	x	x	x	x	x	x	x	x		
8		WT																	x	x	x	x	x	x	x	x		
9		WT																	x	x	x	x	x	x	x	x		
10		WT																	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x		
12																			x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Aaron Day / ATLAS	5/6/24	1622	Chelsea B	5/6/24	16 22	1.9	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg, 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Aaron Day		
SIGNATURE of SAMPLER:	Aaron Day	DATE Signed:	5/6/24

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

F-IN-Q-290-rev.26, 30Apr2024

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CB 5/6/24 16:43

1. Courier: ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER ________

2. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes) Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**

3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F (G) H

4. Cooler Temperature(s): 1.9/1.9 | | |
(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

8. EZ Bottle Order? ☐ Yes ☑ No

If yes but not on COC what is the EZ Bottle Order Number?:

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): 2 days	✓	
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)			✓
Headspace Wisconsin Sulfide?			✓
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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	1	1							WT	✓			
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 07, 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,

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: Harding Street May 2024 P1R1
Pace Project No.: 50372420

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372420001	**MW-3S**	Water	05/07/24 15:30	05/07/24 17:15
50372420002	**MW-9D**	Water	05/07/24 12:25	05/07/24 17:15
50372420003	**MW-3D**	Water	05/07/24 12:42	05/07/24 17:15
50372420004	**MW-9I**	Water	05/07/24 13:35	05/07/24 17:15
50372420005	**DUP-3**	Water	05/07/24 13:35	05/07/24 17:15
50372420006	**MW-3D MS**	Water	05/07/24 12:42	05/07/24 17:15
50372420007	**MW-3D MSD**	Water	05/07/24 12:42	05/07/24 17:15

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372420001	**MW-3S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372420002	**MW-9D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372420003	**MW-3D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372420004	**MW-9I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372420005	**DUP-3**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372420006	**MW-3D MS**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
50372420007	**MW-3D 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372420001	**MW-3S**					
EPA 9056	Chloride	78.5	mg/L	2.5	05/14/24 03:24	
EPA 9056	Fluoride	0.13	mg/L	0.10	05/14/24 03:07	
EPA 9056	Sulfate	156	mg/L	2.5	05/14/24 03:24	
EPA 6010	Barium	54.5	ug/L	10.0	05/14/24 02:01	
EPA 6010	Boron	594	ug/L	100	05/14/24 02:01	
EPA 6010	Calcium	131000	ug/L	1000	05/14/24 02:01	
EPA 6010	Magnesium	30200	ug/L	1000	05/14/24 02:01	
EPA 6010	Manganese	19.6	ug/L	10.0	05/14/24 02:01	
EPA 6010	Molybdenum	22.9	ug/L	10.0	05/14/24 02:01	
EPA 6010	Potassium	2090	ug/L	1000	05/14/24 02:01	
EPA 6010	Sodium	47600	ug/L	1000	05/14/24 02:01	
EPA 6010	Molybdenum, Dissolved	25.8	ug/L	10.0	05/16/24 10:42	
EPA 6020	Antimony	5.6	ug/L	1.0	05/09/24 07:46	
EPA 6020	Selenium	42.8	ug/L	1.0	05/09/24 07:46	
EPA 903.1	Radium-226	0.0670 ± 0.683 (1.31) C:NA T:90%	pCi/L		05/28/24 14:48	
EPA 904.0	Radium-228	0.976 ± 0.472 (0.806) C:78% T:83%	pCi/L		05/23/24 15:49	
Total Radium Calculation	Total Radium	1.04 ± 1.16 (2.12)	pCi/L		05/31/24 11:17	
SM 2320B	Alkalinity, Total as CaCO3	318	mg/L	10.0	05/08/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	318	mg/L	10.0	05/08/24 20:24	
SM 2540C	Total Dissolved Solids	630	mg/L	10.0	05/09/24 11:33	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	05/14/24 13:12	H3
EPA 353.2	Nitrogen, Nitrate	1.1	mg/L	0.10	05/08/24 21:18	
SM 5310C	Dissolved Organic Carbon	3.8	mg/L	1.0	05/13/24 22:25	
50372420002	**MW-9D**					
EPA 9056	Chloride	460	mg/L	25.0	05/14/24 01:26	
EPA 9056	Fluoride	0.79	mg/L	0.10	05/14/24 00:53	
EPA 9056	Sulfate	544	mg/L	25.0	05/14/24 01:26	
EPA 6010	Barium	66.6	ug/L	10.0	05/14/24 02:02	
EPA 6010	Boron	2230	ug/L	100	05/14/24 02:02	
EPA 6010	Calcium	225000	ug/L	2000	05/14/24 02:30	
EPA 6010	Iron	2810	ug/L	100	05/14/24 02:02	
EPA 6010	Lithium	36.8	ug/L	20.0	05/14/24 02:02	
EPA 6010	Magnesium	61100	ug/L	1000	05/14/24 02:02	
EPA 6010	Manganese	354	ug/L	10.0	05/14/24 02:02	
EPA 6010	Molybdenum	71.1	ug/L	10.0	05/14/24 02:02	
EPA 6010	Potassium	9480	ug/L	1000	05/14/24 02:02	
EPA 6010	Sodium	290000	ug/L	2000	05/14/24 02:30	
EPA 6010	Molybdenum, Dissolved	82.1	ug/L	10.0	05/16/24 10:43	
EPA 6020	Arsenic	140	ug/L	1.0	05/09/24 07:50	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372420002	**MW-9D**					
EPA 903.1	Radium-226	0.880 ± 0.671 (1.01) C:NA T:95%	pCi/L		05/28/24 14:48	
EPA 904.0	Radium-228	1.02 ± 0.458 (0.766) C:82% T:87%	pCi/L		05/23/24 15:49	
Total Radium Calculation	Total Radium	1.90 ± 1.13 (1.78)	pCi/L		05/31/24 11:17	
SM 2320B	Alkalinity, Total as CaCO3	338	mg/L	10.0	05/08/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	338	mg/L	10.0	05/08/24 20:24	
SM 2540C	Total Dissolved Solids	1630	mg/L	40.0	05/09/24 11:33	
SM 4500-H+B	pH at 25 Degrees C	6.7	Std. Units	0.10	05/14/24 13:13	H3
EPA 353.2	Nitrogen, Nitrate	0.13	mg/L	0.10	05/07/24 22:20	
50372420003	**MW-3D**					
EPA 9056	Chloride	170	mg/L	2.5	05/14/24 05:39	
EPA 9056	Fluoride	0.21	mg/L	0.10	05/14/24 05:22	
EPA 9056	Sulfate	86.3	mg/L	2.5	05/14/24 05:39	
EPA 6010	Barium	52.7	ug/L	10.0	05/14/24 02:04	
EPA 6010	Boron	354	ug/L	100	05/14/24 02:04	
EPA 6010	Calcium	97000	ug/L	1000	05/14/24 02:04	
EPA 6010	Iron	1530	ug/L	100	05/14/24 02:04	
EPA 6010	Magnesium	25400	ug/L	1000	05/14/24 02:04	
EPA 6010	Manganese	224	ug/L	10.0	05/14/24 02:04	
EPA 6010	Potassium	3160	ug/L	1000	05/14/24 02:04	
EPA 6010	Sodium	76000	ug/L	1000	05/14/24 02:04	
EPA 6020	Arsenic	3.3	ug/L	1.0	05/09/24 08:01	
EPA 903.1	Radium-226	0.0932 ± 0.533 (0.993) C:NA T:90%	pCi/L		05/28/24 14:48	
EPA 904.0	Radium-228	0.544 ± 0.437 (0.871) C:83% T:76%	pCi/L		05/23/24 15:49	
Total Radium Calculation	Total Radium	0.637 ± 0.970 (1.86)	pCi/L		05/31/24 11:17	
SM 2320B	Alkalinity, Total as CaCO3	242	mg/L	10.0	05/08/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	10.0	05/08/24 20:24	
SM 2540C	Total Dissolved Solids	582	mg/L	10.0	05/09/24 11:34	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/14/24 13:13	H3
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	05/13/24 23:03	
50372420004	**MW-9I**					
EPA 9056	Chloride	446	mg/L	25.0	05/18/24 00:16	
EPA 9056	Fluoride	0.82	mg/L	0.10	05/14/24 05:56	
EPA 9056	Sulfate	511	mg/L	25.0	05/18/24 00:16	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372420004	**MW-9I**					
EPA 6010	Barium	60.4	ug/L	10.0	05/14/24 02:13	
EPA 6010	Boron	3710	ug/L	100	05/14/24 02:13	
EPA 6010	Calcium	236000	ug/L	2000	05/14/24 02:32	
EPA 6010	Iron	2100	ug/L	100	05/14/24 02:13	
EPA 6010	Lithium	56.8	ug/L	20.0	05/14/24 02:13	
EPA 6010	Magnesium	57800	ug/L	1000	05/14/24 02:13	
EPA 6010	Manganese	292	ug/L	10.0	05/14/24 02:13	
EPA 6010	Molybdenum	127	ug/L	10.0	05/14/24 02:13	
EPA 6010	Potassium	9320	ug/L	1000	05/14/24 02:13	
EPA 6010	Sodium	249000	ug/L	2000	05/14/24 02:32	
EPA 6010	Molybdenum, Dissolved	143	ug/L	10.0	05/16/24 13:43	
EPA 6020	Arsenic	122	ug/L	1.0	05/09/24 08:26	
EPA 903.1	Radium-226	0.217 ± 0.638 (1.15) C:NA T:91%	pCi/L		05/28/24 14:59	
EPA 904.0	Radium-228	1.16 ± 0.450 (0.690) C:88% T:87%	pCi/L		05/23/24 15:49	
Total Radium Calculation	Total Radium	1.38 ± 1.09 (1.84)	pCi/L		05/31/24 11:17	
SM 2320B	Alkalinity, Total as CaCO3	285	mg/L	10.0	05/08/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	285	mg/L	10.0	05/08/24 20:24	
SM 2540C	Total Dissolved Solids	1600	mg/L	20.0	05/09/24 12:10	
SM 4500-H+B	pH at 25 Degrees C	6.4	Std. Units	0.10	05/14/24 13:15	H3
50372420005	**DUP-3**					
EPA 9056	Chloride	455	mg/L	25.0	05/14/24 07:03	
EPA 9056	Fluoride	0.83	mg/L	0.10	05/14/24 06:30	
EPA 9056	Sulfate	509	mg/L	25.0	05/14/24 07:03	
EPA 6010	Barium	59.6	ug/L	10.0	05/14/24 02:18	
EPA 6010	Boron	3620	ug/L	100	05/14/24 02:18	
EPA 6010	Calcium	236000	ug/L	2000	05/14/24 02:34	
EPA 6010	Iron	2060	ug/L	100	05/14/24 02:18	
EPA 6010	Lithium	54.0	ug/L	20.0	05/14/24 02:18	
EPA 6010	Magnesium	56400	ug/L	1000	05/14/24 02:18	
EPA 6010	Manganese	285	ug/L	10.0	05/14/24 02:18	
EPA 6010	Molybdenum	125	ug/L	10.0	05/14/24 02:18	
EPA 6010	Potassium	9030	ug/L	1000	05/14/24 02:18	
EPA 6010	Sodium	256000	ug/L	2000	05/14/24 02:34	
EPA 6010	Molybdenum, Dissolved	145	ug/L	10.0	05/16/24 13:45	
EPA 6020	Arsenic	122	ug/L	1.0	05/09/24 08:29	
EPA 903.1	Radium-226	0.710 ± 0.585 (0.846) C:NA T:81%	pCi/L		05/28/24 14:59	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372420005	**DUP-3**					
EPA 904.0	Radium-228	1.35 ± 0.491 (0.725) C:88% T:84%	pCi/L		05/23/24 15:50	
Total Radium Calculation	Total Radium	2.06 ± 1.08 (1.57)	pCi/L		05/31/24 11:17	
SM 2320B	Alkalinity, Total as CaCO3	288	mg/L	10.0	05/08/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	288	mg/L	10.0	05/08/24 20:24	
SM 2540C	Total Dissolved Solids	1600	mg/L	20.0	05/09/24 12:10	
SM 4500-H+B	pH at 25 Degrees C	6.7	Std. Units	0.10	05/14/24 13:16	H3
50372420006	**MW-3D MS**					
EPA 903.1	Radium-226	112.63 %REC ± NA (NA) C:NA T:NA	pCi/L		05/28/24 14:59	
EPA 904.0	Radium-228	86.16 %REC ± NA (NA) C:NA T:NA	pCi/L		05/23/24 15:48	
50372420007	**MW-3D MSD**					
EPA 903.1	Radium-226	93.34 %REC 18.73RPD ± NA (NA) C:NA T:NA	pCi/L		05/28/24 14:59	
EPA 904.0	Radium-228	79.40 %REC 8.17RPD ± NA (NA) C:NA T:NA	pCi/L		05/23/24 15:48	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3S **Lab ID: 50372420001** Collected: 05/07/24 15:30 Received: 05/07/24 17:15 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	**78.5**	mg/L	2.5	0.67	10		05/14/24 03:24	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.017	1		05/14/24 03:07	16984-48-8	
Sulfate	**156**	mg/L	2.5	1.9	10		05/14/24 03:24	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**54.5**	ug/L	10.0	0.45	1	05/11/24 09:10	05/14/24 02:01	7440-39-3	
Boron	**594**	ug/L	100	6.2	1	05/11/24 09:10	05/14/24 02:01	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/11/24 09:10	05/14/24 02:01	7440-43-9	
Calcium	**131000**	ug/L	1000	67.7	1	05/11/24 09:10	05/14/24 02:01	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/11/24 09:10	05/14/24 02:01	7440-47-3	
Iron	ND	ug/L	100	30.0	1	05/11/24 09:10	05/14/24 02:01	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/11/24 09:10	05/14/24 02:01	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/11/24 09:10	05/14/24 02:01	7439-93-2	
Magnesium	**30200**	ug/L	1000	33.6	1	05/11/24 09:10	05/14/24 02:01	7439-95-4	
Manganese	**19.6**	ug/L	10.0	1.8	1	05/11/24 09:10	05/14/24 02:01	7439-96-5	
Molybdenum	**22.9**	ug/L	10.0	0.78	1	05/11/24 09:10	05/14/24 02:01	7439-98-7	
Potassium	**2090**	ug/L	1000	97.8	1	05/11/24 09:10	05/14/24 02:01	7440-09-7	
Sodium	**47600**	ug/L	1000	54.8	1	05/11/24 09:10	05/14/24 02:01	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**25.8**	ug/L	10.0	1.1	1	05/15/24 20:27	05/16/24 10:42	7439-98-7	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 200.2 Pace Analytical Services - Indianapolis								
Antimony	**5.6**	ug/L	1.0	0.044	1	05/08/24 15:26	05/09/24 07:46	7440-36-0	
Arsenic	ND	ug/L	1.0	0.064	1	05/08/24 15:26	05/09/24 07:46	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/08/24 15:26	05/09/24 07:46	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/08/24 15:26	05/09/24 07:46	7440-48-4	
Selenium	**42.8**	ug/L	1.0	0.23	1	05/08/24 15:26	05/09/24 07:46	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/08/24 15:26	05/09/24 07:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/17/24 09:59	05/19/24 17:35	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**318**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**318**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3S **Lab ID: 50372420001** Collected: 05/07/24 15:30 Received: 05/07/24 17:15 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	**630**	mg/L	10.0	10.0	1		05/09/24 11:33		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		05/14/24 13:12		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		05/08/24 21:18	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		05/13/24 22:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-9D **Lab ID: 50372420002** Collected: 05/07/24 12:25 Received: 05/07/24 17:15 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	**460**	mg/L	25.0	6.7	100		05/14/24 01:26	16887-00-6	
Fluoride	**0.79**	mg/L	0.10	0.017	1		05/14/24 00:53	16984-48-8	
Sulfate	**544**	mg/L	25.0	19.0	100		05/14/24 01:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**66.6**	ug/L	10.0	0.45	1	05/11/24 09:10	05/14/24 02:02	7440-39-3	
Boron	**2230**	ug/L	100	6.2	1	05/11/24 09:10	05/14/24 02:02	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/11/24 09:10	05/14/24 02:02	7440-43-9	
Calcium	**225000**	ug/L	2000	135	2	05/11/24 09:10	05/14/24 02:30	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/11/24 09:10	05/14/24 02:02	7440-47-3	
Iron	**2810**	ug/L	100	30.0	1	05/11/24 09:10	05/14/24 02:02	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/11/24 09:10	05/14/24 02:02	7439-92-1	
Lithium	**36.8**	ug/L	20.0	6.8	1	05/11/24 09:10	05/14/24 02:02	7439-93-2	
Magnesium	**61100**	ug/L	1000	33.6	1	05/11/24 09:10	05/14/24 02:02	7439-95-4	
Manganese	**354**	ug/L	10.0	1.8	1	05/11/24 09:10	05/14/24 02:02	7439-96-5	
Molybdenum	**71.1**	ug/L	10.0	0.78	1	05/11/24 09:10	05/14/24 02:02	7439-98-7	
Potassium	**9480**	ug/L	1000	97.8	1	05/11/24 09:10	05/14/24 02:02	7440-09-7	
Sodium	**290000**	ug/L	2000	110	2	05/11/24 09:10	05/14/24 02:30	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**82.1**	ug/L	10.0	1.1	1	05/15/24 20:27	05/16/24 10:43	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	0.044	1	05/08/24 15:26	05/09/24 07:50	7440-36-0	
Arsenic	**140**	ug/L	1.0	0.064	1	05/08/24 15:26	05/09/24 07:50	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/08/24 15:26	05/09/24 07:50	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/08/24 15:26	05/09/24 07:50	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/08/24 15:26	05/09/24 07:50	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/08/24 15:26	05/09/24 07:50	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/17/24 09:59	05/19/24 17:38	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**338**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**338**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-9D **Lab ID: 50372420002** Collected: 05/07/24 12:25 Received: 05/07/24 17:15 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	**1630**	mg/L	40.0	40.0	1		05/09/24 11:33		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.7**	Std. Units	0.10	0.10	1		05/14/24 13:13		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		05/07/24 22:20	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		05/14/24 10:34		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3D **Lab ID: 50372420003** Collected: 05/07/24 12:42 Received: 05/07/24 17:15 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	**170**	mg/L	2.5	0.67	10		05/14/24 05:39	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.017	1		05/14/24 05:22	16984-48-8	
Sulfate	**86.3**	mg/L	2.5	1.9	10		05/14/24 05:39	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**52.7**	ug/L	10.0	0.45	1	05/11/24 09:10	05/14/24 02:04	7440-39-3	
Boron	**354**	ug/L	100	6.2	1	05/11/24 09:10	05/14/24 02:04	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/11/24 09:10	05/14/24 02:04	7440-43-9	
Calcium	**97000**	ug/L	1000	67.7	1	05/11/24 09:10	05/14/24 02:04	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/11/24 09:10	05/14/24 02:04	7440-47-3	
Iron	**1530**	ug/L	100	30.0	1	05/11/24 09:10	05/14/24 02:04	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/11/24 09:10	05/14/24 02:04	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/11/24 09:10	05/14/24 02:04	7439-93-2	
Magnesium	**25400**	ug/L	1000	33.6	1	05/11/24 09:10	05/14/24 02:04	7439-95-4	
Manganese	**224**	ug/L	10.0	1.8	1	05/11/24 09:10	05/14/24 02:04	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/11/24 09:10	05/14/24 02:04	7439-98-7	
Potassium	**3160**	ug/L	1000	97.8	1	05/11/24 09:10	05/14/24 02:04	7440-09-7	
Sodium	**76000**	ug/L	1000	54.8	1	05/11/24 09:10	05/14/24 02:04	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	1.1	1	05/15/24 20:27	05/16/24 10:45	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	0.044	1	05/08/24 15:26	05/09/24 08:01	7440-36-0	
Arsenic	**3.3**	ug/L	1.0	0.064	1	05/08/24 15:26	05/09/24 08:01	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/08/24 15:26	05/09/24 08:01	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/08/24 15:26	05/09/24 08:01	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/08/24 15:26	05/09/24 08:01	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/08/24 15:26	05/09/24 08:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/17/24 09:59	05/19/24 17:40	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**242**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**242**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3D **Lab ID: 50372420003** Collected: 05/07/24 12:42 Received: 05/07/24 17:15 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	**582**	mg/L	10.0	10.0	1		05/09/24 11:34		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/14/24 13:13		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		05/07/24 22:22	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		05/13/24 23:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-9I **Lab ID: 50372420004** Collected: 05/07/24 13:35 Received: 05/07/24 17:15 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	**446**	mg/L	25.0	6.7	100		05/18/24 00:16	16887-00-6	
Fluoride	**0.82**	mg/L	0.10	0.017	1		05/14/24 05:56	16984-48-8	
Sulfate	**511**	mg/L	25.0	19.0	100		05/18/24 00:16	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**60.4**	ug/L	10.0	0.45	1	05/11/24 09:10	05/14/24 02:13	7440-39-3	
Boron	**3710**	ug/L	100	6.2	1	05/11/24 09:10	05/14/24 02:13	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/11/24 09:10	05/14/24 02:13	7440-43-9	
Calcium	**236000**	ug/L	2000	135	2	05/11/24 09:10	05/14/24 02:32	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/11/24 09:10	05/14/24 02:13	7440-47-3	
Iron	**2100**	ug/L	100	30.0	1	05/11/24 09:10	05/14/24 02:13	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/11/24 09:10	05/14/24 02:13	7439-92-1	
Lithium	**56.8**	ug/L	20.0	6.8	1	05/11/24 09:10	05/14/24 02:13	7439-93-2	
Magnesium	**57800**	ug/L	1000	33.6	1	05/11/24 09:10	05/14/24 02:13	7439-95-4	
Manganese	**292**	ug/L	10.0	1.8	1	05/11/24 09:10	05/14/24 02:13	7439-96-5	
Molybdenum	**127**	ug/L	10.0	0.78	1	05/11/24 09:10	05/14/24 02:13	7439-98-7	
Potassium	**9320**	ug/L	1000	97.8	1	05/11/24 09:10	05/14/24 02:13	7440-09-7	
Sodium	**249000**	ug/L	2000	110	2	05/11/24 09:10	05/14/24 02:32	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**143**	ug/L	10.0	1.1	1	05/15/24 20:27	05/16/24 13:43	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	0.044	1	05/08/24 15:26	05/09/24 08:26	7440-36-0	
Arsenic	**122**	ug/L	1.0	0.064	1	05/08/24 15:26	05/09/24 08:26	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/08/24 15:26	05/09/24 08:26	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/08/24 15:26	05/09/24 08:26	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/08/24 15:26	05/09/24 08:26	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/08/24 15:26	05/09/24 08:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/17/24 09:59	05/19/24 17:52	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**285**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**285**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-9I **Lab ID: 50372420004** Collected: 05/07/24 13:35 Received: 05/07/24 17:15 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	**1600**	mg/L	20.0	20.0	1		05/09/24 12:10		
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		05/14/24 13:15		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		05/07/24 22:31	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		05/14/24 10:45		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: DUP-3 **Lab ID: 50372420005** Collected: 05/07/24 13:35 Received: 05/07/24 17:15 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	**455**	mg/L	25.0	6.7	100		05/14/24 07:03	16887-00-6	
Fluoride	**0.83**	mg/L	0.10	0.017	1		05/14/24 06:30	16984-48-8	
Sulfate	**509**	mg/L	25.0	19.0	100		05/14/24 07:03	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**59.6**	ug/L	10.0	0.45	1	05/11/24 09:10	05/14/24 02:18	7440-39-3	
Boron	**3620**	ug/L	100	6.2	1	05/11/24 09:10	05/14/24 02:18	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/11/24 09:10	05/14/24 02:18	7440-43-9	
Calcium	**236000**	ug/L	2000	135	2	05/11/24 09:10	05/14/24 02:34	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/11/24 09:10	05/14/24 02:18	7440-47-3	
Iron	**2060**	ug/L	100	30.0	1	05/11/24 09:10	05/14/24 02:18	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/11/24 09:10	05/14/24 02:18	7439-92-1	
Lithium	**54.0**	ug/L	20.0	6.8	1	05/11/24 09:10	05/14/24 02:18	7439-93-2	
Magnesium	**56400**	ug/L	1000	33.6	1	05/11/24 09:10	05/14/24 02:18	7439-95-4	
Manganese	**285**	ug/L	10.0	1.8	1	05/11/24 09:10	05/14/24 02:18	7439-96-5	
Molybdenum	**125**	ug/L	10.0	0.78	1	05/11/24 09:10	05/14/24 02:18	7439-98-7	
Potassium	**9030**	ug/L	1000	97.8	1	05/11/24 09:10	05/14/24 02:18	7440-09-7	
Sodium	**256000**	ug/L	2000	110	2	05/11/24 09:10	05/14/24 02:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**145**	ug/L	10.0	1.1	1	05/15/24 20:27	05/16/24 13:45	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	0.044	1	05/08/24 15:26	05/09/24 08:29	7440-36-0	
Arsenic	**122**	ug/L	1.0	0.064	1	05/08/24 15:26	05/09/24 08:29	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/08/24 15:26	05/09/24 08:29	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/08/24 15:26	05/09/24 08:29	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/08/24 15:26	05/09/24 08:29	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/08/24 15:26	05/09/24 08:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/17/24 09:59	05/19/24 17:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**288**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**288**	mg/L	10.0	10.0	1		05/08/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/08/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: DUP-3 **Lab ID: 50372420005** Collected: 05/07/24 13:35 Received: 05/07/24 17:15 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	**1600**	mg/L	20.0	20.0	1		05/09/24 12:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.7**	Std. Units	0.10	0.10	1		05/14/24 13:16		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		05/07/24 22:38	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		05/14/24 10:55		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788750 | Analysis Method: EPA 9056
QC Batch Method: EPA 9056 | Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3608191 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/13/24 10:33	
Fluoride	mg/L	ND	0.10	0.017	05/13/24 10:33	
Sulfate	mg/L	ND	0.25	0.19	05/13/24 10:33	

LABORATORY CONTROL SAMPLE: 3608192

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	1.1	105	80-120	
Sulfate	mg/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3608193 3608194

Parameter	Units	50372252004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.6	2.5	2.5	5.1	5.1	99	99	80-120	0	15	
Fluoride	mg/L	0.29	1	1	1.4	1.3	107	106	80-120	1	15	
Sulfate	mg/L	37.8	5	5	42.8	42.9	101	102	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3608195 3608196

Parameter	Units	50372420003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	170	25	25	190	191	83	86	80-120	0	15	
Fluoride	mg/L	0.21	1	1	1.3	1.3	110	110	80-120	0	15	
Sulfate	mg/L	86.3	50	50	134	134	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 789914 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3614194 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/19/24 17:28	

LABORATORY CONTROL SAMPLE: 3614195

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: 3614196 3614197

Parameter	Units	50372420003 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	5.0	97	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788884
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3609058 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/14/24 01:57	
Boron	ug/L	ND	100	6.2	05/14/24 01:57	
Cadmium	ug/L	ND	2.0	0.60	05/14/24 01:57	
Calcium	ug/L	ND	1000	67.7	05/14/24 01:57	
Chromium	ug/L	ND	10.0	0.42	05/14/24 01:57	
Iron	ug/L	ND	100	30.0	05/14/24 01:57	
Lead	ug/L	ND	10.0	2.5	05/14/24 01:57	
Lithium	ug/L	ND	20.0	6.8	05/14/24 01:57	
Magnesium	ug/L	ND	1000	33.6	05/14/24 01:57	
Manganese	ug/L	ND	10.0	1.8	05/14/24 01:57	
Molybdenum	ug/L	ND	10.0	0.78	05/14/24 01:57	
Potassium	ug/L	ND	1000	97.8	05/14/24 01:57	
Sodium	ug/L	ND	1000	54.8	05/14/24 01:57	

LABORATORY CONTROL SAMPLE: 3609059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	988	99	80-120	
Boron	ug/L	1000	994	99	80-120	
Cadmium	ug/L	1000	986	99	80-120	
Calcium	ug/L	10000	10100	101	80-120	
Chromium	ug/L	1000	998	100	80-120	
Iron	ug/L	10000	9630	96	80-120	
Lead	ug/L	1000	976	98	80-120	
Lithium	ug/L	1000	1030	103	80-120	
Magnesium	ug/L	10000	10100	101	80-120	
Manganese	ug/L	1000	999	100	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Sodium	ug/L	10000	9910	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3609060 3609061

Parameter	Units	50372420003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	52.7	1000	1000	1020	1020	96	97	75-125	0	20	
Boron	ug/L	354	1000	1000	1350	1350	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3609060 3609061

Parameter	Units	50372420003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	ND	1000	1000	970	973	97	97	75-125	0	20	
Calcium	ug/L	97000	10000	10000	103000	104000	60	67	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	964	968	96	97	75-125	0	20	
Iron	ug/L	1530	10000	10000	10800	10900	93	93	75-125	0	20	
Lead	ug/L	ND	1000	1000	931	931	93	93	75-125	0	20	
Lithium	ug/L	ND	1000	1000	1010	1000	100	100	75-125	0	20	
Magnesium	ug/L	25400	10000	10000	34100	34400	87	90	75-125	1	20	
Manganese	ug/L	224	1000	1000	1190	1190	96	97	75-125	0	20	
Molybdenum	ug/L	ND	1000	1000	998	1000	99	99	75-125	0	20	
Potassium	ug/L	3160	10000	10000	12900	12800	98	97	75-125	1	20	
Sodium	ug/L	76000	10000	10000	83400	83300	73	73	75-125	0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 789952
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3614467 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/16/24 13:22	

LABORATORY CONTROL SAMPLE: 3614468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1100	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614469 3614470

Parameter	Units	50372420003 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	1140	1090	114	108	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788702
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3607966 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.044	05/09/24 07:39	
Arsenic	ug/L	ND	1.0	0.064	05/09/24 07:39	
Beryllium	ug/L	ND	0.20	0.026	05/09/24 07:39	
Cobalt	ug/L	ND	1.0	0.024	05/09/24 07:39	
Selenium	ug/L	ND	1.0	0.23	05/09/24 07:39	
Thallium	ug/L	ND	1.0	0.042	05/09/24 07:39	

LABORATORY CONTROL SAMPLE: 3607967

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	
Beryllium	ug/L	40	42.8	107	80-120	
Cobalt	ug/L	40	41.0	102	80-120	
Selenium	ug/L	40	40.9	102	80-120	
Thallium	ug/L	40	42.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3607968 3607969

Parameter	Units	50372420003 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	41.6	42.5	104	106	75-125	2	20	
Arsenic	ug/L	3.3	40	40	42.4	42.3	98	98	75-125	0	20	
Beryllium	ug/L	ND	40	40	42.8	41.7	107	104	75-125	2	20	
Cobalt	ug/L	ND	40	40	38.0	37.9	95	94	75-125	0	20	
Selenium	ug/L	ND	40	40	38.5	38.4	96	96	75-125	0	20	
Thallium	ug/L	ND	40	40	42.2	43.0	105	107	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788838 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3608731 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/08/24 20:24	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/24 20:24	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/08/24 20:24	

LABORATORY CONTROL SAMPLE: 3608732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.9	100	90-110	

SAMPLE DUPLICATE: 3608733

Parameter	Units	50372420001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	318	323	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	318	323	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3608734

Parameter	Units	50372420003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	242	247	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	242	247	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788900 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003

METHOD BLANK: 3609140 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/09/24 11:27	

LABORATORY CONTROL SAMPLE: 3609141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	275	92	80-120	

SAMPLE DUPLICATE: 3609142

Parameter	Units	50372351001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2530	2600	3	10	

SAMPLE DUPLICATE: 3609143

Parameter	Units	50372420003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	582	603	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788901
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420004, 50372420005

METHOD BLANK: 3609144 Matrix: Water
Associated Lab Samples: 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/09/24 12:09	

LABORATORY CONTROL SAMPLE: 3609145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	261	87	80-120	

SAMPLE DUPLICATE: 3609146

Parameter	Units	50372420004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1600	1600	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 789786
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: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

SAMPLE DUPLICATE: 3613609

Parameter	Units	50372795001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.3	8.3	1	2	H3

SAMPLE DUPLICATE: 3613610

Parameter	Units	50372420003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788620 | 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: 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3607729 Matrix: Water
Associated Lab Samples: 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/07/24 21:54	

LABORATORY CONTROL SAMPLE: 3607730

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: 3607731 3607732

Parameter	Units	50372420003 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	0.98	0.98	97	97	90-110	0	20	

MATRIX SPIKE SAMPLE: 3607733

Parameter	Units	50372420004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	0.93	92	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 788852
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: 50372420001

METHOD BLANK: 3608839 Matrix: Water
Associated Lab Samples: 50372420001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/08/24 20:46	

LABORATORY CONTROL SAMPLE: 3608840

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: 3608841 3608842

Parameter	Units	50372443004 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	99	99	90-110	0	20	

MATRIX SPIKE SAMPLE: 3608843

Parameter	Units	50372467001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 789532 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

METHOD BLANK: 3612703 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/13/24 20:30	

LABORATORY CONTROL SAMPLE: 3612704

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: 3612705 3612706

Parameter	Units	50372420003 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	10.8	93	89	80-120	4	20	

MATRIX SPIKE SAMPLE: 3612707

Parameter	Units	50372468001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	5.4	10	15.0	96	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3S **Lab ID: 50372420001** Collected: 05/07/24 15:30 Received: 05/07/24 17:15 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	**0.0670 ± 0.683 (1.31) C:NA T:90%**	pCi/L	05/28/24 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.976 ± 0.472 (0.806) C:78% T:83%**	pCi/L	05/23/24 15:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.04 ± 1.16 (2.12)**	pCi/L	05/31/24 11:17	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-9D **Lab ID: 50372420002** Collected: 05/07/24 12:25 Received: 05/07/24 17:15 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	**0.880 ± 0.671 (1.01) C:NA T:95%**	pCi/L	05/28/24 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.02 ± 0.458 (0.766) C:82% T:87%**	pCi/L	05/23/24 15:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.90 ± 1.13 (1.78)**	pCi/L	05/31/24 11:17	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3D **Lab ID: 50372420003** Collected: 05/07/24 12:42 Received: 05/07/24 17:15 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	**0.0932 ± 0.533 (0.993) C:NA T:90%**	pCi/L	05/28/24 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.544 ± 0.437 (0.871) C:83% T:76%**	pCi/L	05/23/24 15:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.637 ± 0.970 (1.86)**	pCi/L	05/31/24 11:17	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-9I **Lab ID: 50372420004** Collected: 05/07/24 13:35 Received: 05/07/24 17:15 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	**0.217 ± 0.638 (1.15) C:NA T:91%**	pCi/L	05/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.16 ± 0.450 (0.690) C:88% T:87%**	pCi/L	05/23/24 15:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.38 ± 1.09 (1.84)**	pCi/L	05/31/24 11:17	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: DUP-3 **Lab ID: 50372420005** Collected: 05/07/24 13:35 Received: 05/07/24 17:15 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	**0.710 ± 0.585 (0.846) C:NA T:81%**	pCi/L	05/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.35 ± 0.491 (0.725) C:88% T:84%**	pCi/L	05/23/24 15:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.06 ± 1.08 (1.57)**	pCi/L	05/31/24 11:17	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3D MS **Lab ID: 50372420006** Collected: 05/07/24 12:42 Received: 05/07/24 17:15 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	**112.63 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**86.16 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/23/24 15:48	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Sample: MW-3D MSD **Lab ID: 50372420007** Collected: 05/07/24 12:42 Received: 05/07/24 17:15 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	**93.34 %REC 18.73RPD ± NA (NA) C:NA T:NA**	pCi/L	05/28/24 14:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**79.40 %REC 8.17RPD ± NA (NA) C:NA T:NA**	pCi/L	05/23/24 15:48	15262-20-1	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 667920
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: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005, 50372420006, 50372420007

METHOD BLANK: 3252200 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005, 50372420006, 50372420007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0224 ± 0.279 (0.650) C:97% T:77%	pCi/L	05/23/24 15:47	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

QC Batch: 667919
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: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005, 50372420006, 50372420007

METHOD BLANK: 3252199 Matrix: Water
Associated Lab Samples: 50372420001, 50372420002, 50372420003, 50372420004, 50372420005, 50372420006, 50372420007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.219 (0.445) C:NA T:85%	pCi/L	05/28/24 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

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.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372420001	**MW-3S**	EPA 9056	788750		
50372420002	**MW-9D**	EPA 9056	788750		
50372420003	**MW-3D**	EPA 9056	788750		
50372420004	**MW-9I**	EPA 9056	788750		
50372420005	**DUP-3**	EPA 9056	788750		
50372420001	**MW-3S**	EPA 3010	788884	EPA 6010	789716
50372420002	**MW-9D**	EPA 3010	788884	EPA 6010	789716
50372420003	**MW-3D**	EPA 3010	788884	EPA 6010	789716
50372420004	**MW-9I**	EPA 3010	788884	EPA 6010	789716
50372420005	**DUP-3**	EPA 3010	788884	EPA 6010	789716
50372420001	**MW-3S**	EPA 3010	789952	EPA 6010	790303
50372420002	**MW-9D**	EPA 3010	789952	EPA 6010	790303
50372420003	**MW-3D**	EPA 3010	789952	EPA 6010	790303
50372420004	**MW-9I**	EPA 3010	789952	EPA 6010	790303
50372420005	**DUP-3**	EPA 3010	789952	EPA 6010	790303
50372420001	**MW-3S**	EPA 200.2	788702	EPA 6020	788869
50372420002	**MW-9D**	EPA 200.2	788702	EPA 6020	788869
50372420003	**MW-3D**	EPA 200.2	788702	EPA 6020	788869
50372420004	**MW-9I**	EPA 200.2	788702	EPA 6020	788869
50372420005	**DUP-3**	EPA 200.2	788702	EPA 6020	788869
50372420001	**MW-3S**	EPA 7470	789914	EPA 7470	790795
50372420002	**MW-9D**	EPA 7470	789914	EPA 7470	790795
50372420003	**MW-3D**	EPA 7470	789914	EPA 7470	790795
50372420004	**MW-9I**	EPA 7470	789914	EPA 7470	790795
50372420005	**DUP-3**	EPA 7470	789914	EPA 7470	790795
50372420001	**MW-3S**	EPA 903.1	667919		
50372420002	**MW-9D**	EPA 903.1	667919		
50372420003	**MW-3D**	EPA 903.1	667919		
50372420004	**MW-9I**	EPA 903.1	667919		
50372420005	**DUP-3**	EPA 903.1	667919		
50372420006	**MW-3D MS**	EPA 903.1	667919		
50372420007	**MW-3D MSD**	EPA 903.1	667919		
50372420001	**MW-3S**	EPA 904.0	667920		
50372420002	**MW-9D**	EPA 904.0	667920		
50372420003	**MW-3D**	EPA 904.0	667920		
50372420004	**MW-9I**	EPA 904.0	667920		
50372420005	**DUP-3**	EPA 904.0	667920		
50372420006	**MW-3D MS**	EPA 904.0	667920		
50372420007	**MW-3D MSD**	EPA 904.0	667920		
50372420001	**MW-3S**	Total Radium Calculation	672363		
50372420002	**MW-9D**	Total Radium Calculation	672363		
50372420003	**MW-3D**	Total Radium Calculation	672363		
50372420004	**MW-9I**	Total Radium Calculation	672363		
50372420005	**DUP-3**	Total Radium Calculation	672363		
50372420001	**MW-3S**	SM 2320B	788838		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372420

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372420002	**MW-9D**	SM 2320B	788838		
50372420003	**MW-3D**	SM 2320B	788838		
50372420004	**MW-9I**	SM 2320B	788838		
50372420005	**DUP-3**	SM 2320B	788838		
50372420001	**MW-3S**	SM 2540C	788900		
50372420002	**MW-9D**	SM 2540C	788900		
50372420003	**MW-3D**	SM 2540C	788900		
50372420004	**MW-9I**	SM 2540C	788901		
50372420005	**DUP-3**	SM 2540C	788901		
50372420001	**MW-3S**	SM 4500-H+B	789786		
50372420002	**MW-9D**	SM 4500-H+B	789786		
50372420003	**MW-3D**	SM 4500-H+B	789786		
50372420004	**MW-9I**	SM 4500-H+B	789786		
50372420005	**DUP-3**	SM 4500-H+B	789786		
50372420001	**MW-3S**	EPA 353.2	788852		
50372420002	**MW-9D**	EPA 353.2	788620		
50372420003	**MW-3D**	EPA 353.2	788620		
50372420004	**MW-9I**	EPA 353.2	788620		
50372420005	**DUP-3**	EPA 353.2	788620		
50372420001	**MW-3S**	SM 5310C	789532		
50372420002	**MW-9D**	SM 5310C	789532		
50372420003	**MW-3D**	SM 5310C	789532		
50372420004	**MW-9I**	SM 5310C	789532		
50372420005	**DUP-3**	SM 5310C	789532		

WO# : 50372420

50372420

CHAIN-OF-CUSTODY / Analytical Request Docu

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.c

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Atlas	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street May 2024	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:		Project #:	P2R21	Pace Profile #:	10498-57

Regulatory Agency	
State / Location	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)
1	MW-3S	WT		5/7/24	1530				8	3	1	4							X	X	X	X	X	X	X	X	
2	MW-9D	WT			1225				8	3	1	4							X	X	X	X	X	X	X	X	
3	MW-3D	WT			1242				8	3	1	4							X	X	X	X	X	X	X	X	
4	MS-1	WT			1242				8	3	1	4							X	X	X	X	X	X	X	X	
5	MSD-1	WT			1242				8	3	1	4							X	X	X	X	X	X	X	X	
6	MW-9I	WT			1335				8	3	1	4							X	X	X	X	X	X	X	X	
7	DUP-3	WT		5/7/24	1335				8	3	1	4							X	X	X	X	X	X	X	X	
8		WT																	X	X	X	X	X	X	X	X	
9		WT																	X	X	X	X	X	X	X	X	
10		WT																	X	X	X	X	X	X	X	X	
11		WT																	X	X	X	X	X	X	X	X	
12																			X	X	X	X	X	X	X	X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILL JR	5.7.24	1715		5/7/24	17:15	3.3	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)							1.0			
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	JOHN A. MAGILL JR	
SIGNATURE of SAMPLER:		DATE Signed: 5.7.24

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/7/24 11:41 JG

1. **Courier:** ☐FED EX | UPS ☒CLIENT ☐PACE ☐NOW/JETT | OTHER _____
2. **Custody Seal on Cooler/Box Present:** | | Yes ☒ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C (D) E F G H
4. **Cooler Temperature(s):** 3.3/3.3 | 1.9/1.9 | | | **(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
8. **EZ Bottle Order?** | Yes ☑No
   If yes but not on COC what is the EZ Bottle Order Number?:

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:** NO3 by 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 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 ____ of ____

Sample Container Count

** Place a RED 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	2	1	1	1								WT	✓	✓		
2													↓			↓	↓	↓	↓	↓								↓	↓	↓		
3													3			6	6	3	3	3								↓	↓	↓		
4																																
5																																
6													1			2	2	1	1	1								WT	✓	✓		
7													↓			↓	↓	↓	↓	↓								↓	↓	↓		
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024
Pace Project No.: 50372547

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 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,

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: Harding Street May 2024
Pace Project No.: 50372547

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372547001	**MW-14I**	Water	05/08/24 14:25	05/08/24 17:25
50372547002	**MW-14IL**	Water	05/08/24 13:00	05/08/24 17:25
50372547003	**MW-14D1**	Water	05/08/24 11:15	05/08/24 17:25
50372547004	**MW-14D**	Water	05/08/24 11:05	05/08/24 17:25
50372547005	**DUP-4**	Water	05/08/24 11:05	05/08/24 17:25
50372547006	**MW-7S**	Water	05/08/24 16:02	05/08/24 17:25
50372547007	**MW-7D**	Water	05/08/24 16:08	05/08/24 17:25
50372547008	**MW-7D1**	Water	05/08/24 14:38	05/08/24 17:25
50372547009	**DUP-2**	Water	05/08/24 14:38	05/08/24 17:25

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372547001	**MW-14I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547002	**MW-14IL**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547003	**MW-14D1**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547004	**MW-14D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547005	**DUP-4**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547006	**MW-7S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547007	**MW-7D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547008	**MW-7D1**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372547009	**DUP-2**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	MTM	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2320B	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372547001	**MW-14I**					
EPA 9056	Chloride	179	mg/L	2.5	05/14/24 22:43	
EPA 9056	Fluoride	0.37	mg/L	0.10	05/14/24 22:25	
EPA 9056	Sulfate	1730	mg/L	25.0	05/14/24 23:00	
EPA 6010	Barium	34.2	ug/L	10.0	05/20/24 23:59	
EPA 6010	Boron	39100	ug/L	100	05/20/24 23:59	
EPA 6010	Calcium	484000	ug/L	5000	05/21/24 00:26	
EPA 6010	Iron	8130	ug/L	100	05/20/24 23:59	
EPA 6010	Lithium	506	ug/L	20.0	05/20/24 23:59	
EPA 6010	Magnesium	144000	ug/L	1000	05/20/24 23:59	
EPA 6010	Manganese	566	ug/L	10.0	05/20/24 23:59	
EPA 6010	Molybdenum	129	ug/L	10.0	05/20/24 23:59	
EPA 6010	Potassium	34300	ug/L	1000	05/20/24 23:59	
EPA 6010	Sodium	239000	ug/L	5000	05/21/24 00:26	
EPA 6010	Molybdenum, Dissolved	121	ug/L	10.0	05/16/24 13:28	
EPA 6020	Arsenic	2.2	ug/L	1.0	05/15/24 04:42	
EPA 903.1	Radium-226	0.158 ± 0.472 (0.875) C:NA T:90%	pCi/L		05/29/24 15:40	
EPA 904.0	Radium-228	1.62 ± 0.552 (0.811) C:94% T:85%	pCi/L		05/23/24 15:46	
Total Radium Calculation	Total Radium	1.78 ± 1.02 (1.69)	pCi/L		05/31/24 11:26	
SM 2320B	Alkalinity, Total as CaCO3	273	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	2900	mg/L	40.0	05/10/24 12:05	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/14/24 17:02	H3
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	05/13/24 21:13	
50372547002	**MW-14IL**					
EPA 9056	Chloride	116	mg/L	2.5	05/14/24 23:35	
EPA 9056	Fluoride	0.26	mg/L	0.10	05/14/24 23:18	
EPA 9056	Sulfate	76.4	mg/L	2.5	05/14/24 23:35	
EPA 6010	Barium	356	ug/L	10.0	05/21/24 00:07	
EPA 6010	Boron	278	ug/L	100	05/21/24 00:07	
EPA 6010	Calcium	98800	ug/L	1000	05/21/24 00:07	
EPA 6010	Iron	5450	ug/L	100	05/21/24 00:07	
EPA 6010	Magnesium	25900	ug/L	1000	05/21/24 00:07	
EPA 6010	Manganese	274	ug/L	10.0	05/21/24 00:07	
EPA 6010	Potassium	3300	ug/L	1000	05/21/24 00:07	
EPA 6010	Sodium	73300	ug/L	1000	05/21/24 00:07	
EPA 6020	Arsenic	25.8	ug/L	1.0	05/15/24 04:47	
EPA 903.1	Radium-226	1.49 ± 0.928 (1.32) C:NA T:89%	pCi/L		05/29/24 15:40	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372547002	**MW-14IL**					
EPA 904.0	Radium-228	0.688 ± 0.388 (0.707) C:95% T:79%	pCi/L		05/23/24 15:47	
Total Radium Calculation	Total Radium	2.18 ± 1.32 (2.03)	pCi/L		05/31/24 11:26	
SM 2320B	Alkalinity, Total as CaCO3	280	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	280	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	540	mg/L	10.0	05/10/24 12:05	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	05/14/24 17:02	H3
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	05/13/24 21:39	
50372547003	**MW-14D1**					
EPA 9056	Chloride	119	mg/L	2.5	05/15/24 00:45	
EPA 9056	Fluoride	0.24	mg/L	0.10	05/15/24 00:27	
EPA 9056	Sulfate	70.9	mg/L	2.5	05/15/24 00:45	
EPA 6010	Barium	366	ug/L	10.0	05/21/24 00:09	
EPA 6010	Boron	236	ug/L	100	05/21/24 00:09	
EPA 6010	Calcium	99500	ug/L	1000	05/21/24 00:09	
EPA 6010	Iron	5270	ug/L	100	05/21/24 00:09	
EPA 6010	Magnesium	25600	ug/L	1000	05/21/24 00:09	
EPA 6010	Manganese	151	ug/L	10.0	05/21/24 00:09	
EPA 6010	Potassium	3540	ug/L	1000	05/21/24 00:09	
EPA 6010	Sodium	70300	ug/L	1000	05/21/24 00:09	
EPA 6020	Arsenic	25.6	ug/L	1.0	05/15/24 04:51	
EPA 903.1	Radium-226	1.19 ± 0.798 (1.14) C:NA T:84%	pCi/L		05/29/24 15:56	
EPA 904.0	Radium-228	0.952 ± 0.421 (0.699) C:82% T:89%	pCi/L		05/28/24 11:35	
Total Radium Calculation	Total Radium	2.14 ± 1.22 (1.84)	pCi/L		06/03/24 15:22	
SM 2320B	Alkalinity, Total as CaCO3	280	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	280	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	535	mg/L	10.0	05/10/24 12:06	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	05/14/24 17:06	H3
SM 5310C	Dissolved Organic Carbon	3.0	mg/L	1.0	05/13/24 22:05	
50372547004	**MW-14D**					
EPA 9056	Chloride	206	mg/L	25.0	05/15/24 01:37	
EPA 9056	Fluoride	0.24	mg/L	0.10	05/15/24 01:02	
EPA 9056	Sulfate	2210	mg/L	25.0	05/15/24 01:37	
EPA 6010	Barium	40.7	ug/L	10.0	05/21/24 00:11	
EPA 6010	Boron	50100	ug/L	100	05/21/24 00:11	
EPA 6010	Calcium	373000	ug/L	5000	05/21/24 00:31	
EPA 6010	Iron	2400	ug/L	100	05/21/24 00:11	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372547004	**MW-14D**					
EPA 6010	Lithium	587	ug/L	20.0	05/21/24 00:11	
EPA 6010	Magnesium	223000	ug/L	1000	05/21/24 00:11	
EPA 6010	Manganese	289	ug/L	10.0	05/21/24 00:11	
EPA 6010	Molybdenum	198	ug/L	10.0	05/21/24 00:11	
EPA 6010	Potassium	57300	ug/L	1000	05/21/24 00:11	
EPA 6010	Sodium	484000	ug/L	5000	05/21/24 00:31	
EPA 6010	Molybdenum, Dissolved	187	ug/L	10.0	05/16/24 13:37	
EPA 6020	Arsenic	136	ug/L	1.0	05/15/24 04:55	
EPA 903.1	Radium-226	-0.0590 ± 0.448 (0.936) C:NA T:90%	pCi/L		05/29/24 15:56	
EPA 904.0	Radium-228	1.05 ± 0.447 (0.727) C:82% T:85%	pCi/L		05/28/24 11:35	
Total Radium Calculation	Total Radium	1.05 ± 0.895 (1.66)	pCi/L		06/03/24 15:22	
SM 2320B	Alkalinity, Total as CaCO3	315	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	315	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	3720	mg/L	40.0	05/10/24 12:09	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	05/14/24 17:06	H3
SM 5310C	Dissolved Organic Carbon	3.4	mg/L	1.0	05/13/24 22:26	
50372547005	**DUP-4**					
EPA 9056	Chloride	249	mg/L	2.5	05/15/24 02:12	
EPA 9056	Fluoride	0.25	mg/L	0.10	05/15/24 01:55	
EPA 9056	Sulfate	2170	mg/L	25.0	05/15/24 02:30	
EPA 6010	Barium	40.0	ug/L	10.0	05/21/24 00:17	
EPA 6010	Boron	50600	ug/L	100	05/21/24 00:17	
EPA 6010	Calcium	364000	ug/L	5000	05/21/24 00:33	
EPA 6010	Iron	2410	ug/L	100	05/21/24 00:17	
EPA 6010	Lithium	575	ug/L	20.0	05/21/24 00:17	
EPA 6010	Magnesium	221000	ug/L	1000	05/21/24 00:17	
EPA 6010	Manganese	288	ug/L	10.0	05/21/24 00:17	
EPA 6010	Molybdenum	198	ug/L	10.0	05/21/24 00:17	
EPA 6010	Potassium	55800	ug/L	1000	05/21/24 00:17	
EPA 6010	Sodium	487000	ug/L	5000	05/21/24 00:33	
EPA 6010	Molybdenum, Dissolved	181	ug/L	10.0	05/16/24 13:39	
EPA 6020	Arsenic	138	ug/L	1.0	05/15/24 04:59	
EPA 903.1	Radium-226	-0.179 ± 0.630 (1.27) C:NA T:87%	pCi/L		05/29/24 15:56	
EPA 904.0	Radium-228	1.13 ± 0.477 (0.779) C:82% T:82%	pCi/L		05/28/24 11:35	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372547005	**DUP-4**					
Total Radium Calculation	Total Radium	1.13 ± 1.11 (2.05)	pCi/L		06/03/24 15:22	
SM 2320B	Alkalinity, Total as CaCO3	311	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	311	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	3670	mg/L	40.0	05/10/24 12:09	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	05/14/24 17:09	H3
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	1.0	05/13/24 22:53	
50372547006	**MW-7S**					
EPA 9056	Chloride	210	mg/L	2.5	05/15/24 03:39	
EPA 9056	Fluoride	0.61	mg/L	0.10	05/15/24 03:22	
EPA 9056	Sulfate	648	mg/L	25.0	05/15/24 03:57	
EPA 6010	Barium	44.2	ug/L	10.0	05/21/24 00:19	
EPA 6010	Boron	13100	ug/L	100	05/21/24 00:19	
EPA 6010	Calcium	245000	ug/L	2000	05/21/24 00:38	
EPA 6010	Iron	3670	ug/L	100	05/21/24 00:19	
EPA 6010	Lithium	83.3	ug/L	20.0	05/21/24 00:19	
EPA 6010	Magnesium	48700	ug/L	1000	05/21/24 00:19	
EPA 6010	Manganese	729	ug/L	10.0	05/21/24 00:19	
EPA 6010	Molybdenum	391	ug/L	10.0	05/21/24 00:19	
EPA 6010	Potassium	15600	ug/L	1000	05/21/24 00:19	
EPA 6010	Sodium	172000	ug/L	1000	05/21/24 00:19	
EPA 6010	Molybdenum, Dissolved	372	ug/L	10.0	05/16/24 13:41	
EPA 6020	Arsenic	309	ug/L	2.0	05/15/24 05:11	
EPA 6020	Cobalt	1.3	ug/L	1.0	05/15/24 05:15	
EPA 903.1	Radium-226	0.236 ± 0.543 (0.983) C:NA T:91%	pCi/L		05/29/24 15:56	
EPA 904.0	Radium-228	1.11 ± 0.465 (0.758) C:79% T:86%	pCi/L		05/28/24 11:35	
Total Radium Calculation	Total Radium	1.35 ± 1.01 (1.74)	pCi/L		06/03/24 15:22	
SM 2320B	Alkalinity, Total as CaCO3	304	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	304	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	1350	mg/L	20.0	05/10/24 12:10	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	05/14/24 17:09	H3
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	1.0	05/13/24 23:19	
50372547007	**MW-7D**					
EPA 9056	Chloride	228	mg/L	2.5	05/15/24 04:31	
EPA 9056	Fluoride	0.44	mg/L	0.10	05/15/24 04:14	
EPA 9056	Sulfate	588	mg/L	25.0	05/15/24 04:49	
EPA 6010	Barium	47.2	ug/L	10.0	05/21/24 00:20	
EPA 6010	Boron	13300	ug/L	100	05/21/24 00:20	
EPA 6010	Calcium	270000	ug/L	2000	05/21/24 00:40	
EPA 6010	Iron	2520	ug/L	100	05/21/24 00:20	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372547007	**MW-7D**					
EPA 6010	Lithium	96.8	ug/L	20.0	05/21/24 00:20	
EPA 6010	Magnesium	48600	ug/L	1000	05/21/24 00:20	
EPA 6010	Manganese	560	ug/L	10.0	05/21/24 00:20	
EPA 6010	Molybdenum	449	ug/L	10.0	05/21/24 00:20	
EPA 6010	Potassium	17300	ug/L	1000	05/21/24 00:20	
EPA 6010	Sodium	176000	ug/L	1000	05/21/24 00:20	
EPA 6010	Molybdenum, Dissolved	428	ug/L	10.0	05/16/24 13:42	
EPA 6020	Arsenic	522	ug/L	5.0	05/15/24 05:18	
EPA 903.1	Radium-226	0.530 ± 0.705 (1.18) C:NA T:89%	pCi/L		05/29/24 15:56	
EPA 904.0	Radium-228	1.50 ± 0.501 (0.687) C:83% T:88%	pCi/L		05/28/24 11:35	
Total Radium Calculation	Total Radium	2.03 ± 1.21 (1.87)	pCi/L		06/03/24 15:22	
SM 2320B	Alkalinity, Total as CaCO3	270	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	270	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	1450	mg/L	20.0	05/10/24 12:10	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/16/24 11:44	H3
50372547008	**MW-7D1**					
EPA 9056	Chloride	219	mg/L	2.5	05/15/24 05:24	
EPA 9056	Fluoride	0.26	mg/L	0.10	05/15/24 05:06	
EPA 9056	Sulfate	614	mg/L	25.0	05/15/24 05:41	
EPA 6010	Barium	75.2	ug/L	10.0	05/21/24 00:22	
EPA 6010	Boron	14000	ug/L	100	05/21/24 00:22	
EPA 6010	Calcium	246000	ug/L	2000	05/21/24 00:41	
EPA 6010	Iron	2920	ug/L	100	05/21/24 00:22	
EPA 6010	Lithium	109	ug/L	20.0	05/21/24 00:22	
EPA 6010	Magnesium	47200	ug/L	1000	05/21/24 00:22	
EPA 6010	Manganese	425	ug/L	10.0	05/21/24 00:22	
EPA 6010	Molybdenum	556	ug/L	10.0	05/21/24 00:22	
EPA 6010	Potassium	16700	ug/L	1000	05/21/24 00:22	
EPA 6010	Sodium	174000	ug/L	1000	05/21/24 00:22	
EPA 6010	Molybdenum, Dissolved	523	ug/L	10.0	05/16/24 13:44	
EPA 6020	Arsenic	392	ug/L	5.0	05/15/24 23:18	
EPA 903.1	Radium-226	1.27 ± 0.670 (0.837) C:NA T:92%	pCi/L		05/29/24 15:56	
EPA 904.0	Radium-228	0.774 ± 0.409 (0.738) C:83% T:85%	pCi/L		05/28/24 11:35	
Total Radium Calculation	Total Radium	2.04 ± 1.08 (1.58)	pCi/L		06/03/24 15:22	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372547008	**MW-7D1**					
SM 2320B	Alkalinity, Total as CaCO3	247	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	247	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	1410	mg/L	20.0	05/10/24 12:10	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/16/24 11:45	H3
50372547009	**DUP-2**					
EPA 9056	Chloride	218	mg/L	2.5	05/15/24 06:51	
EPA 9056	Fluoride	0.26	mg/L	0.10	05/15/24 06:33	
EPA 9056	Sulfate	608	mg/L	25.0	05/15/24 07:08	
EPA 6010	Barium	75.4	ug/L	10.0	05/21/24 00:24	
EPA 6010	Boron	14100	ug/L	100	05/21/24 00:24	
EPA 6010	Calcium	255000	ug/L	2000	05/21/24 00:43	
EPA 6010	Iron	2950	ug/L	100	05/21/24 00:24	
EPA 6010	Lithium	107	ug/L	20.0	05/21/24 00:24	
EPA 6010	Magnesium	47600	ug/L	1000	05/21/24 00:24	
EPA 6010	Manganese	428	ug/L	10.0	05/21/24 00:24	
EPA 6010	Molybdenum	558	ug/L	10.0	05/21/24 00:24	
EPA 6010	Potassium	16700	ug/L	1000	05/21/24 00:24	
EPA 6010	Sodium	175000	ug/L	1000	05/21/24 00:24	
EPA 6010	Molybdenum, Dissolved	525	ug/L	10.0	05/16/24 13:46	
EPA 6020	Arsenic	395	ug/L	5.0	05/15/24 05:38	
EPA 903.1	Radium-226	1.69 ± 0.973 (1.39) C:NA T:89%	pCi/L		05/29/24 15:56	
EPA 904.0	Radium-228	1.02 ± 0.427 (0.687) C:83% T:86%	pCi/L		05/28/24 11:35	
Total Radium Calculation	Total Radium	2.71 ± 1.40 (2.08)	pCi/L		06/03/24 15:22	
SM 2320B	Alkalinity, Total as CaCO3	247	mg/L	10.0	05/09/24 20:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	247	mg/L	10.0	05/09/24 20:34	
SM 2540C	Total Dissolved Solids	1410	mg/L	20.0	05/10/24 12:10	
SM 4500-H+B	pH at 25 Degrees C	7.5	Std. Units	0.10	05/16/24 11:46	H3
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	05/14/24 01:11	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14I **Lab ID: 50372547001** Collected: 05/08/24 14:25 Received: 05/08/24 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	**179**	mg/L	2.5	0.67	10		05/14/24 22:43	16887-00-6	
Fluoride	**0.37**	mg/L	0.10	0.017	1		05/14/24 22:25	16984-48-8	
Sulfate	**1730**	mg/L	25.0	19.0	100		05/14/24 23:00	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**34.2**	ug/L	10.0	0.45	1	05/20/24 16:18	05/20/24 23:59	7440-39-3	
Boron	**39100**	ug/L	100	6.2	1	05/20/24 16:18	05/20/24 23:59	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/20/24 23:59	7440-43-9	
Calcium	**484000**	ug/L	5000	338	5	05/20/24 16:18	05/21/24 00:26	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/20/24 23:59	7440-47-3	
Iron	**8130**	ug/L	100	30.0	1	05/20/24 16:18	05/20/24 23:59	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/20/24 23:59	7439-92-1	
Lithium	**506**	ug/L	20.0	6.8	1	05/20/24 16:18	05/20/24 23:59	7439-93-2	
Magnesium	**144000**	ug/L	1000	33.6	1	05/20/24 16:18	05/20/24 23:59	7439-95-4	
Manganese	**566**	ug/L	10.0	1.8	1	05/20/24 16:18	05/20/24 23:59	7439-96-5	
Molybdenum	**129**	ug/L	10.0	0.78	1	05/20/24 16:18	05/20/24 23:59	7439-98-7	
Potassium	**34300**	ug/L	1000	97.8	1	05/20/24 16:18	05/20/24 23:59	7440-09-7	
Sodium	**239000**	ug/L	5000	274	5	05/20/24 16:18	05/21/24 00:26	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**121**	ug/L	10.0	0.78	1	05/15/24 20:38	05/16/24 13:28	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	0.26	1	05/13/24 17:19	05/15/24 04:42	7440-36-0	
Arsenic	**2.2**	ug/L	1.0	0.10	1	05/13/24 17:19	05/15/24 04:42	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 04:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 04:42	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 04:42	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 04:42	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:03	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**273**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**273**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14I **Lab ID: 50372547001** Collected: 05/08/24 14:25 Received: 05/08/24 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	**2900**	mg/L	40.0	40.0	1		05/10/24 12:05		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/14/24 17:02		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		05/10/24 00:09	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		05/13/24 21:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14IL **Lab ID: 50372547002** Collected: 05/08/24 13:00 Received: 05/08/24 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	**116**	mg/L	2.5	0.67	10		05/14/24 23:35	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		05/14/24 23:18	16984-48-8	
Sulfate	**76.4**	mg/L	2.5	1.9	10		05/14/24 23:35	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**356**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:07	7440-39-3	
Boron	**278**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:07	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:07	7440-43-9	
Calcium	**98800**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 00:07	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:07	7440-47-3	
Iron	**5450**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:07	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:07	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:07	7439-93-2	
Magnesium	**25900**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:07	7439-95-4	
Manganese	**274**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:07	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:07	7439-98-7	
Potassium	**3300**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:07	7440-09-7	
Sodium	**73300**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 00:07	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	0.78	1	05/15/24 20:38	05/16/24 13:30	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	0.26	1	05/13/24 17:19	05/15/24 04:47	7440-36-0	
Arsenic	**25.8**	ug/L	1.0	0.10	1	05/13/24 17:19	05/15/24 04:47	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 04:47	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 04:47	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 04:47	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 04:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:06	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**280**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**280**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14IL **Lab ID: 50372547002** Collected: 05/08/24 13:00 Received: 05/08/24 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	**540**	mg/L	10.0	10.0	1		05/10/24 12:05		
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		05/14/24 17:02		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		05/09/24 23:49	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		05/13/24 21:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14D1 **Lab ID: 50372547003** Collected: 05/08/24 11:15 Received: 05/08/24 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	**119**	mg/L	2.5	0.67	10		05/15/24 00:45	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	0.017	1		05/15/24 00:27	16984-48-8	
Sulfate	**70.9**	mg/L	2.5	1.9	10		05/15/24 00:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**366**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:09	7440-39-3	
Boron	**236**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:09	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:09	7440-43-9	
Calcium	**99500**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 00:09	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:09	7440-47-3	
Iron	**5270**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:09	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:09	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:09	7439-93-2	
Magnesium	**25600**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:09	7439-95-4	
Manganese	**151**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:09	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:09	7439-98-7	
Potassium	**3540**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:09	7440-09-7	
Sodium	**70300**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 00:09	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	0.78	1	05/15/24 20:38	05/16/24 13:32	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	0.26	1	05/13/24 17:19	05/15/24 04:51	7440-36-0	
Arsenic	**25.6**	ug/L	1.0	0.10	1	05/13/24 17:19	05/15/24 04:51	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 04:51	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 04:51	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 04:51	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 04:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:08	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**280**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**280**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14D1 **Lab ID: 50372547003** Collected: 05/08/24 11:15 Received: 05/08/24 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	**535**	mg/L	10.0	10.0	1		05/10/24 12:06		
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		05/14/24 17:06		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		05/09/24 23:15	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.0**	mg/L	1.0	0.25	1		05/13/24 22:05		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14D **Lab ID: 50372547004** Collected: 05/08/24 11:05 Received: 05/08/24 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	**206**	mg/L	25.0	6.7	100		05/15/24 01:37	16887-00-6	
Fluoride	**0.24**	mg/L	0.10	0.017	1		05/15/24 01:02	16984-48-8	
Sulfate	**2210**	mg/L	25.0	19.0	100		05/15/24 01:37	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**40.7**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:11	7440-39-3	
Boron	**50100**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:11	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:11	7440-43-9	
Calcium	**373000**	ug/L	5000	338	5	05/20/24 16:18	05/21/24 00:31	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:11	7440-47-3	
Iron	**2400**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:11	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:11	7439-92-1	
Lithium	**587**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:11	7439-93-2	
Magnesium	**223000**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:11	7439-95-4	
Manganese	**289**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:11	7439-96-5	
Molybdenum	**198**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:11	7439-98-7	
Potassium	**57300**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:11	7440-09-7	
Sodium	**484000**	ug/L	5000	274	5	05/20/24 16:18	05/21/24 00:31	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	0.78	1	05/15/24 20:38	05/16/24 13:37	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	0.26	1	05/13/24 17:19	05/15/24 04:55	7440-36-0	
Arsenic	**136**	ug/L	1.0	0.10	1	05/13/24 17:19	05/15/24 04:55	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 04:55	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 04:55	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 04:55	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 04:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:15	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**315**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**315**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14D **Lab ID: 50372547004** Collected: 05/08/24 11:05 Received: 05/08/24 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	**3720**	mg/L	40.0	40.0	1		05/10/24 12:09		
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		05/14/24 17:06		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		05/09/24 23:08	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		05/13/24 22:26		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: DUP-4 **Lab ID: 50372547005** Collected: 05/08/24 11:05 Received: 05/08/24 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	**249**	mg/L	2.5	0.67	10		05/15/24 02:12	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.017	1		05/15/24 01:55	16984-48-8	
Sulfate	**2170**	mg/L	25.0	19.0	100		05/15/24 02:30	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**40.0**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:17	7440-39-3	
Boron	**50600**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:17	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:17	7440-43-9	
Calcium	**364000**	ug/L	5000	338	5	05/20/24 16:18	05/21/24 00:33	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:17	7440-47-3	
Iron	**2410**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:17	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:17	7439-92-1	
Lithium	**575**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:17	7439-93-2	
Magnesium	**221000**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:17	7439-95-4	
Manganese	**288**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:17	7439-96-5	
Molybdenum	**198**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:17	7439-98-7	
Potassium	**55800**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:17	7440-09-7	
Sodium	**487000**	ug/L	5000	274	5	05/20/24 16:18	05/21/24 00:33	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**181**	ug/L	10.0	0.78	1	05/15/24 20:38	05/16/24 13:39	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	0.26	1	05/13/24 17:19	05/15/24 04:59	7440-36-0	
Arsenic	**138**	ug/L	1.0	0.10	1	05/13/24 17:19	05/15/24 04:59	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 04:59	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 04:59	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 04:59	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 04:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:18	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		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**311**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: DUP-4 **Lab ID: 50372547005** Collected: 05/08/24 11:05 Received: 05/08/24 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	**3670**	mg/L	40.0	40.0	1		05/10/24 12:09		
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		05/14/24 17:09		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		05/09/24 23:10	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		05/13/24 22:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7S **Lab ID: 50372547006** Collected: 05/08/24 16:02 Received: 05/08/24 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	**210**	mg/L	2.5	0.67	10		05/15/24 03:39	16887-00-6	
Fluoride	**0.61**	mg/L	0.10	0.017	1		05/15/24 03:22	16984-48-8	
Sulfate	**648**	mg/L	25.0	19.0	100		05/15/24 03:57	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**44.2**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:19	7440-39-3	
Boron	**13100**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:19	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:19	7440-43-9	
Calcium	**245000**	ug/L	2000	135	2	05/20/24 16:18	05/21/24 00:38	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:19	7440-47-3	
Iron	**3670**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:19	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:19	7439-92-1	
Lithium	**83.3**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:19	7439-93-2	
Magnesium	**48700**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:19	7439-95-4	
Manganese	**729**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:19	7439-96-5	
Molybdenum	**391**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:19	7439-98-7	
Potassium	**15600**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:19	7440-09-7	
Sodium	**172000**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 00:19	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**372**	ug/L	10.0	0.78	1	05/15/24 20:38	05/16/24 13:41	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	0.26	1	05/13/24 17:19	05/15/24 05:15	7440-36-0	
Arsenic	**309**	ug/L	2.0	0.20	2	05/13/24 17:19	05/15/24 05:11	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 05:15	7440-41-7	
Cobalt	**1.3**	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 05:15	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 05:15	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 05:15	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:20	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**304**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**304**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7S **Lab ID: 50372547006** Collected: 05/08/24 16:02 Received: 05/08/24 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	**1350**	mg/L	20.0	20.0	1		05/10/24 12:10		
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		05/14/24 17:09		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		05/10/24 00:33	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	1.0	0.25	1		05/13/24 23:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7D **Lab ID: 50372547007** Collected: 05/08/24 16:08 Received: 05/08/24 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	**228**	mg/L	2.5	0.67	10		05/15/24 04:31	16887-00-6	
Fluoride	**0.44**	mg/L	0.10	0.017	1		05/15/24 04:14	16984-48-8	
Sulfate	**588**	mg/L	25.0	19.0	100		05/15/24 04:49	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**47.2**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:20	7440-39-3	
Boron	**13300**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:20	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:20	7440-43-9	
Calcium	**270000**	ug/L	2000	135	2	05/20/24 16:18	05/21/24 00:40	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:20	7440-47-3	
Iron	**2520**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:20	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:20	7439-92-1	
Lithium	**96.8**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:20	7439-93-2	
Magnesium	**48600**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:20	7439-95-4	
Manganese	**560**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:20	7439-96-5	
Molybdenum	**449**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:20	7439-98-7	
Potassium	**17300**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:20	7440-09-7	
Sodium	**176000**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 00:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**428**	ug/L	10.0	0.78	1	05/15/24 20:38	05/16/24 13:42	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	0.26	1	05/13/24 17:19	05/15/24 05:22	7440-36-0	
Arsenic	**522**	ug/L	5.0	0.50	5	05/13/24 17:19	05/15/24 05:18	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 05:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 05:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 05:22	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 05:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:23	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		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**270**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7D **Lab ID: 50372547007** Collected: 05/08/24 16:08 Received: 05/08/24 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	**1450**	mg/L	20.0	20.0	1		05/10/24 12:10		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/16/24 11:44		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		05/10/24 00:35	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		05/14/24 11:51		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7D1 **Lab ID: 50372547008** Collected: 05/08/24 14:38 Received: 05/08/24 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	**219**	mg/L	2.5	0.67	10		05/15/24 05:24	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		05/15/24 05:06	16984-48-8	
Sulfate	**614**	mg/L	25.0	19.0	100		05/15/24 05:41	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**75.2**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:22	7440-39-3	
Boron	**14000**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:22	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:22	7440-43-9	
Calcium	**246000**	ug/L	2000	135	2	05/20/24 16:18	05/21/24 00:41	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:22	7440-47-3	
Iron	**2920**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:22	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:22	7439-92-1	
Lithium	**109**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:22	7439-93-2	
Magnesium	**47200**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:22	7439-95-4	
Manganese	**425**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:22	7439-96-5	
Molybdenum	**556**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:22	7439-98-7	
Potassium	**16700**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:22	7440-09-7	
Sodium	**174000**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 00:22	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**523**	ug/L	10.0	0.78	1	05/15/24 20:38	05/16/24 13:44	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	0.26	1	05/13/24 17:19	05/15/24 05:26	7440-36-0	
Arsenic	**392**	ug/L	5.0	0.50	5	05/13/24 17:19	05/15/24 23:18	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 05:26	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 05:26	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 05:26	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 05:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:25	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**247**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**247**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7D1 **Lab ID: 50372547008** Collected: 05/08/24 14:38 Received: 05/08/24 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	**1410**	mg/L	20.0	20.0	1		05/10/24 12:10		
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		05/16/24 11:45		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		05/10/24 00:13	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		05/14/24 00:45		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: DUP-2 **Lab ID: 50372547009** Collected: 05/08/24 14:38 Received: 05/08/24 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	**218**	mg/L	2.5	0.67	10		05/15/24 06:51	16887-00-6	
Fluoride	**0.26**	mg/L	0.10	0.017	1		05/15/24 06:33	16984-48-8	
Sulfate	**608**	mg/L	25.0	19.0	100		05/15/24 07:08	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**75.4**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 00:24	7440-39-3	
Boron	**14100**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 00:24	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 00:24	7440-43-9	
Calcium	**255000**	ug/L	2000	135	2	05/20/24 16:18	05/21/24 00:43	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 00:24	7440-47-3	
Iron	**2950**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 00:24	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 00:24	7439-92-1	
Lithium	**107**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 00:24	7439-93-2	
Magnesium	**47600**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 00:24	7439-95-4	
Manganese	**428**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 00:24	7439-96-5	
Molybdenum	**558**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 00:24	7439-98-7	
Potassium	**16700**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 00:24	7440-09-7	
Sodium	**175000**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 00:24	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**525**	ug/L	10.0	0.78	1	05/15/24 20:38	05/16/24 13:46	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	0.26	1	05/13/24 17:19	05/15/24 05:46	7440-36-0	
Arsenic	**395**	ug/L	5.0	0.50	5	05/13/24 17:19	05/15/24 05:38	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/13/24 17:19	05/15/24 05:46	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/13/24 17:19	05/15/24 05:46	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/13/24 17:19	05/15/24 05:46	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/13/24 17:19	05/15/24 05:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/20/24 09:36	05/20/24 18:28	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**247**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Bicarbonate (CaCO3)	**247**	mg/L	10.0	10.0	1		05/09/24 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/09/24 20:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: DUP-2 **Lab ID: 50372547009** Collected: 05/08/24 14:38 Received: 05/08/24 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	**1410**	mg/L	20.0	20.0	1		05/10/24 12:10		
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		05/16/24 11:46		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		05/10/24 00:15	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		05/14/24 01:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789057
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3609817 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/14/24 13:37	
Fluoride	mg/L	ND	0.10	0.017	05/14/24 13:37	
Sulfate	mg/L	ND	0.25	0.19	05/14/24 13:37	

LABORATORY CONTROL SAMPLE: 3609818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	99	80-120	
Fluoride	mg/L	1	1.1	106	80-120	
Sulfate	mg/L	5	4.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3609819 3609820

Parameter	Units	50372543009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	148	25	25	189	170	165	91	80-120	10	15	M0
Fluoride	mg/L	0.13	1	1	1.1	1.1	98	100	80-120	2	15	
Sulfate	mg/L	ND	5	5	4.5	4.7	89	93	80-120	4	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 790388
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3616458 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/20/24 17:58	

LABORATORY CONTROL SAMPLE: 3616459

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: 3616460 3616461

Parameter	Units	50372593002 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	4.9	101	98	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789103
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3610089 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/20/24 23:56	
Boron	ug/L	ND	100	6.2	05/20/24 23:56	
Cadmium	ug/L	ND	2.0	0.60	05/20/24 23:56	
Calcium	ug/L	ND	1000	67.7	05/20/24 23:56	
Chromium	ug/L	ND	10.0	0.42	05/20/24 23:56	
Iron	ug/L	ND	100	30.0	05/20/24 23:56	
Lead	ug/L	ND	10.0	2.5	05/20/24 23:56	
Lithium	ug/L	ND	20.0	6.8	05/20/24 23:56	
Magnesium	ug/L	ND	1000	33.6	05/20/24 23:56	
Manganese	ug/L	ND	10.0	1.8	05/20/24 23:56	
Molybdenum	ug/L	ND	10.0	0.78	05/20/24 23:56	
Potassium	ug/L	ND	1000	97.8	05/20/24 23:56	
Sodium	ug/L	ND	1000	54.8	05/20/24 23:56	

LABORATORY CONTROL SAMPLE: 3610090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	988	99	80-120	
Boron	ug/L	1000	961	96	80-120	
Cadmium	ug/L	1000	982	98	80-120	
Calcium	ug/L	10000	10500	105	80-120	
Chromium	ug/L	1000	1030	103	80-120	
Iron	ug/L	10000	9820	98	80-120	
Lead	ug/L	1000	972	97	80-120	
Lithium	ug/L	1000	1030	103	80-120	
Magnesium	ug/L	10000	9850	98	80-120	
Manganese	ug/L	1000	999	100	80-120	
Molybdenum	ug/L	1000	1040	104	80-120	
Potassium	ug/L	10000	10100	101	80-120	
Sodium	ug/L	10000	9960	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3610091 3610092

Parameter	Units	50372547001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	34.2	1000	1000	985	1010	95	98	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3610091 3610092

Parameter	Units	50372547001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	39100	1000	1000	37200	38900	-182	-16	75-125	4	20	P6
Cadmium	ug/L	ND	1000	1000	987	1000	99	100	75-125	2	20	
Calcium	ug/L	484000	10000	10000	469000	476000	-150	-83	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	985	1010	98	101	75-125	2	20	
Iron	ug/L	8130	10000	10000	17000	17400	89	92	75-125	2	20	
Lead	ug/L	ND	1000	1000	892	917	89	92	75-125	3	20	
Lithium	ug/L	506	1000	1000	1480	1510	98	101	75-125	2	20	
Magnesium	ug/L	144000	10000	10000	146000	149000	20	47	75-125	2	20	P6
Manganese	ug/L	566	1000	1000	1480	1510	91	95	75-125	2	20	
Molybdenum	ug/L	129	1000	1000	1140	1170	101	105	75-125	3	20	
Potassium	ug/L	34300	10000	10000	42900	43400	86	91	75-125	1	20	
Sodium	ug/L	239000	10000	10000	232000	241000	-70	21	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789956
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3614479 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	05/16/24 12:56	

LABORATORY CONTROL SAMPLE: 3614480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	991	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614481 3614482

Parameter	Units	50372488023 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	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789626
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3613075 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.26	05/14/24 22:55	
Arsenic	ug/L	ND	1.0	0.10	05/14/24 22:55	
Beryllium	ug/L	ND	0.20	0.020	05/14/24 22:55	
Cobalt	ug/L	ND	1.0	0.060	05/14/24 22:55	
Selenium	ug/L	ND	1.0	0.36	05/14/24 22:55	
Thallium	ug/L	ND	1.0	0.079	05/14/24 22:55	

LABORATORY CONTROL SAMPLE: 3613076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.9	105	80-120	
Arsenic	ug/L	40	39.5	99	80-120	
Beryllium	ug/L	40	38.7	97	80-120	
Cobalt	ug/L	40	41.3	103	80-120	
Selenium	ug/L	40	39.9	100	80-120	
Thallium	ug/L	40	39.3	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3613077 3613078

Parameter	Units	50372608002 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	44.6	44.2	111	110	75-125	1	20	
Arsenic	ug/L	8.6	40	40	50.0	48.9	103	101	75-125	2	20	
Beryllium	ug/L	ND	40	40	41.3	41.2	103	103	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.8	38.6	95	95	75-125	1	20	
Selenium	ug/L	ND	40	40	43.6	41.4	109	103	75-125	5	20	
Thallium	ug/L	ND	40	40	40.5	40.6	101	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789095
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004

METHOD BLANK: 3610034 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/09/24 20:34	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/09/24 20:34	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/09/24 20:34	

LABORATORY CONTROL SAMPLE: 3610035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.5	95	90-110	

SAMPLE DUPLICATE: 3610036

Parameter	Units	50372534001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	388	394	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	388	394	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3610037

Parameter	Units	50372541001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	360	366	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	360	366	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789098
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3610046 Matrix: Water
Associated Lab Samples: 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/09/24 20:34	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/09/24 20:34	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/09/24 20:34	

LABORATORY CONTROL SAMPLE: 3610047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	45.9	92	90-110	

SAMPLE DUPLICATE: 3610048

Parameter	Units	50372541002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	391	399	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	391	399	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3610049

Parameter	Units	50372593002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	307	311	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	307	311	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789175
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003

METHOD BLANK: 3610489 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/10/24 11:56	

LABORATORY CONTROL SAMPLE: 3610490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	80-120	

SAMPLE DUPLICATE: 3610491

Parameter	Units	50372534001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	614	613	0	10	

SAMPLE DUPLICATE: 3610492

Parameter	Units	50372541002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	589	614	4	10	

SAMPLE DUPLICATE: 3610493

Parameter	Units	50372543009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	592	624	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789176 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3610500 Matrix: Water
Associated Lab Samples: 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/10/24 12:08	

LABORATORY CONTROL SAMPLE: 3610501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	270	90	80-120	

SAMPLE DUPLICATE: 3610502

Parameter	Units	50372547004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3720	3630	2	10	

SAMPLE DUPLICATE: 3610503

Parameter	Units	50372570014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	807	811	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789804
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: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006

SAMPLE DUPLICATE: 3613670

Parameter	Units	50372541001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.9	7.0	1	2	H3

SAMPLE DUPLICATE: 3613671

Parameter	Units	50372541002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.9	7.0	1	2	H3

SAMPLE DUPLICATE: 3613672

Parameter	Units	50372543009 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units		6.9			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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789811
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: 50372547007, 50372547008, 50372547009

SAMPLE DUPLICATE: 3613687

Parameter	Units	50372593002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	2	H3

SAMPLE DUPLICATE: 3613688

Parameter	Units	50372732002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.7	8.6	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789112
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: 50372547003, 50372547004, 50372547005

METHOD BLANK: 3610178 Matrix: Water
Associated Lab Samples: 50372547003, 50372547004, 50372547005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/09/24 22:31	

LABORATORY CONTROL SAMPLE: 3610179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 3610180

Parameter	Units	50372570006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.12	1	1.1	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3610181 3610182

Parameter	Units	50372571004 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	105	105	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789113 | 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: 50372547001, 50372547002, 50372547008, 50372547009

METHOD BLANK: 3610186 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/09/24 23:25	

LABORATORY CONTROL SAMPLE: 3610187

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: 3610188 3610189

Parameter	Units	50372593002 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	11.1	11.1	103	104	90-110	0	20	

MATRIX SPIKE SAMPLE: 3610190

Parameter	Units	50372570002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789114
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: 50372547006, 50372547007

METHOD BLANK: 3610192 Matrix: Water
Associated Lab Samples: 50372547006, 50372547007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/10/24 00:22	

LABORATORY CONTROL SAMPLE: 3610193

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: 3610194 3610195

Parameter	Units	50372695006 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	104	103	90-110	1	20	

MATRIX SPIKE SAMPLE: 3610196

Parameter	Units	50372695003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 789533
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3612708 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002, 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/13/24 15:22	

LABORATORY CONTROL SAMPLE: 3612709

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: 3612710 3612711

Parameter	Units	50372534001 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	3.2	10	10	12.6	12.3	93	90	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3612712 3612713

Parameter	Units	50372541001 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	10.6	10.4	91	89	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14I **Lab ID: 50372547001** Collected: 05/08/24 14:25 Received: 05/08/24 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	**0.158 ± 0.472 (0.875) C:NA T:90%**	pCi/L	05/29/24 15:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.62 ± 0.552 (0.811) C:94% T:85%**	pCi/L	05/23/24 15:46	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.78 ± 1.02 (1.69)**	pCi/L	05/31/24 11:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14IL **Lab ID: 50372547002** Collected: 05/08/24 13:00 Received: 05/08/24 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	**1.49 ± 0.928 (1.32) C:NA T:89%**	pCi/L	05/29/24 15:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.688 ± 0.388 (0.707) C:95% T:79%**	pCi/L	05/23/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.18 ± 1.32 (2.03)**	pCi/L	05/31/24 11:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14D1 **Lab ID: 50372547003** Collected: 05/08/24 11:15 Received: 05/08/24 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	**1.19 ± 0.798 (1.14) C:NA T:84%**	pCi/L	05/29/24 15:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.952 ± 0.421 (0.699) C:82% T:89%**	pCi/L	05/28/24 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.14 ± 1.22 (1.84)**	pCi/L	06/03/24 15:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-14D **Lab ID: 50372547004** Collected: 05/08/24 11:05 Received: 05/08/24 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	**-0.0590 ± 0.448 (0.936) C:NA T:90%**	pCi/L	05/29/24 15:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.05 ± 0.447 (0.727) C:82% T:85%**	pCi/L	05/28/24 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.05 ± 0.895 (1.66)**	pCi/L	06/03/24 15:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: DUP-4 **Lab ID: 50372547005** Collected: 05/08/24 11:05 Received: 05/08/24 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	**-0.179 ± 0.630 (1.27) C:NA T:87%**	pCi/L	05/29/24 15:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.13 ± 0.477 (0.779) C:82% T:82%**	pCi/L	05/28/24 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.13 ± 1.11 (2.05)**	pCi/L	06/03/24 15:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7S **Lab ID: 50372547006** Collected: 05/08/24 16:02 Received: 05/08/24 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	**0.236 ± 0.543 (0.983) C:NA T:91%**	pCi/L	05/29/24 15:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.11 ± 0.465 (0.758) C:79% T:86%**	pCi/L	05/28/24 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.35 ± 1.01 (1.74)**	pCi/L	06/03/24 15:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7D **Lab ID: 50372547007** Collected: 05/08/24 16:08 Received: 05/08/24 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	**0.530 ± 0.705 (1.18) C:NA T:89%**	pCi/L	05/29/24 15:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.50 ± 0.501 (0.687) C:83% T:88%**	pCi/L	05/28/24 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.03 ± 1.21 (1.87)**	pCi/L	06/03/24 15:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: MW-7D1 **Lab ID: 50372547008** Collected: 05/08/24 14:38 Received: 05/08/24 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 ± 0.670 (0.837) C:NA T:92%**	pCi/L	05/29/24 15:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.774 ± 0.409 (0.738) C:83% T:85%**	pCi/L	05/28/24 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.04 ± 1.08 (1.58)**	pCi/L	06/03/24 15:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

Sample: DUP-2 **Lab ID: 50372547009** Collected: 05/08/24 14:38 Received: 05/08/24 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	**1.69 ± 0.973 (1.39) C:NA T:89%**	pCi/L	05/29/24 15:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.02 ± 0.427 (0.687) C:83% T:86%**	pCi/L	05/28/24 11:35	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.71 ± 1.40 (2.08)**	pCi/L	06/03/24 15:22	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 668077
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: 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3252946 Matrix: Water
Associated Lab Samples: 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.394 ± 0.333 (0.669) C:83% T:87%	pCi/L	05/28/24 11:36	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 668073
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: 50372547001, 50372547002

METHOD BLANK: 3252923 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.229 (0.496) C:NA T:94%	pCi/L	05/28/24 15:56	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 668074
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: 50372547001, 50372547002

METHOD BLANK: 3252928 Matrix: Water
Associated Lab Samples: 50372547001, 50372547002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.208 ± 0.306 (0.658) C:82% T:88%	pCi/L	05/23/24 14:04	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372547

QC Batch: 668076
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: 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

METHOD BLANK: 3252945 Matrix: Water
Associated Lab Samples: 50372547003, 50372547004, 50372547005, 50372547006, 50372547007, 50372547008, 50372547009

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0443 ± 0.202 (0.477) C:NA T:92%	pCi/L	05/29/24 15:56	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024
Pace Project No.: 50372547

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372547001	**MW-14I**	EPA 9056	789057		
50372547002	**MW-14IL**	EPA 9056	789057		
50372547003	**MW-14D1**	EPA 9056	789057		
50372547004	**MW-14D**	EPA 9056	789057		
50372547005	**DUP-4**	EPA 9056	789057		
50372547006	**MW-7S**	EPA 9056	789057		
50372547007	**MW-7D**	EPA 9056	789057		
50372547008	**MW-7D1**	EPA 9056	789057		
50372547009	**DUP-2**	EPA 9056	789057		
50372547001	**MW-14I**	EPA 3010	789103	EPA 6010	791002
50372547002	**MW-14IL**	EPA 3010	789103	EPA 6010	791002
50372547003	**MW-14D1**	EPA 3010	789103	EPA 6010	791002
50372547004	**MW-14D**	EPA 3010	789103	EPA 6010	791002
50372547005	**DUP-4**	EPA 3010	789103	EPA 6010	791002
50372547006	**MW-7S**	EPA 3010	789103	EPA 6010	791002
50372547007	**MW-7D**	EPA 3010	789103	EPA 6010	791002
50372547008	**MW-7D1**	EPA 3010	789103	EPA 6010	791002
50372547009	**DUP-2**	EPA 3010	789103	EPA 6010	791002
50372547001	**MW-14I**	EPA 3010	789956	EPA 6010	790381
50372547002	**MW-14IL**	EPA 3010	789956	EPA 6010	790381
50372547003	**MW-14D1**	EPA 3010	789956	EPA 6010	790381
50372547004	**MW-14D**	EPA 3010	789956	EPA 6010	790381
50372547005	**DUP-4**	EPA 3010	789956	EPA 6010	790381
50372547006	**MW-7S**	EPA 3010	789956	EPA 6010	790381
50372547007	**MW-7D**	EPA 3010	789956	EPA 6010	790381
50372547008	**MW-7D1**	EPA 3010	789956	EPA 6010	790381
50372547009	**DUP-2**	EPA 3010	789956	EPA 6010	790381
50372547001	**MW-14I**	EPA 200.2	789626	EPA 6020	789714
50372547002	**MW-14IL**	EPA 200.2	789626	EPA 6020	789714
50372547003	**MW-14D1**	EPA 200.2	789626	EPA 6020	789714
50372547004	**MW-14D**	EPA 200.2	789626	EPA 6020	789714
50372547005	**DUP-4**	EPA 200.2	789626	EPA 6020	789714
50372547006	**MW-7S**	EPA 200.2	789626	EPA 6020	789714
50372547007	**MW-7D**	EPA 200.2	789626	EPA 6020	789714
50372547008	**MW-7D1**	EPA 200.2	789626	EPA 6020	789714
50372547009	**DUP-2**	EPA 200.2	789626	EPA 6020	789714
50372547001	**MW-14I**	EPA 7470	790388	EPA 7470	790952
50372547002	**MW-14IL**	EPA 7470	790388	EPA 7470	790952
50372547003	**MW-14D1**	EPA 7470	790388	EPA 7470	790952
50372547004	**MW-14D**	EPA 7470	790388	EPA 7470	790952
50372547005	**DUP-4**	EPA 7470	790388	EPA 7470	790952
50372547006	**MW-7S**	EPA 7470	790388	EPA 7470	790952
50372547007	**MW-7D**	EPA 7470	790388	EPA 7470	790952
50372547008	**MW-7D1**	EPA 7470	790388	EPA 7470	790952
50372547009	**DUP-2**	EPA 7470	790388	EPA 7470	790952
50372547001	**MW-14I**	EPA 903.1	668073		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372547002	**MW-14IL**	EPA 903.1	668073		
50372547003	**MW-14D1**	EPA 903.1	668076		
50372547004	**MW-14D**	EPA 903.1	668076		
50372547005	**DUP-4**	EPA 903.1	668076		
50372547006	**MW-7S**	EPA 903.1	668076		
50372547007	**MW-7D**	EPA 903.1	668076		
50372547008	**MW-7D1**	EPA 903.1	668076		
50372547009	**DUP-2**	EPA 903.1	668076		
50372547001	**MW-14I**	EPA 904.0	668074		
50372547002	**MW-14IL**	EPA 904.0	668074		
50372547003	**MW-14D1**	EPA 904.0	668077		
50372547004	**MW-14D**	EPA 904.0	668077		
50372547005	**DUP-4**	EPA 904.0	668077		
50372547006	**MW-7S**	EPA 904.0	668077		
50372547007	**MW-7D**	EPA 904.0	668077		
50372547008	**MW-7D1**	EPA 904.0	668077		
50372547009	**DUP-2**	EPA 904.0	668077		
50372547001	**MW-14I**	Total Radium Calculation	672366		
50372547002	**MW-14IL**	Total Radium Calculation	672366		
50372547003	**MW-14D1**	Total Radium Calculation	672817		
50372547004	**MW-14D**	Total Radium Calculation	672817		
50372547005	**DUP-4**	Total Radium Calculation	672817		
50372547006	**MW-7S**	Total Radium Calculation	672817		
50372547007	**MW-7D**	Total Radium Calculation	672817		
50372547008	**MW-7D1**	Total Radium Calculation	672817		
50372547009	**DUP-2**	Total Radium Calculation	672817		
50372547001	**MW-14I**	SM 2320B	789095		
50372547002	**MW-14IL**	SM 2320B	789095		
50372547003	**MW-14D1**	SM 2320B	789095		
50372547004	**MW-14D**	SM 2320B	789095		
50372547005	**DUP-4**	SM 2320B	789098		
50372547006	**MW-7S**	SM 2320B	789098		
50372547007	**MW-7D**	SM 2320B	789098		
50372547008	**MW-7D1**	SM 2320B	789098		
50372547009	**DUP-2**	SM 2320B	789098		
50372547001	**MW-14I**	SM 2540C	789175		
50372547002	**MW-14IL**	SM 2540C	789175		
50372547003	**MW-14D1**	SM 2540C	789175		
50372547004	**MW-14D**	SM 2540C	789176		
50372547005	**DUP-4**	SM 2540C	789176		
50372547006	**MW-7S**	SM 2540C	789176		
50372547007	**MW-7D**	SM 2540C	789176		
50372547008	**MW-7D1**	SM 2540C	789176		
50372547009	**DUP-2**	SM 2540C	789176		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024
Pace Project No.: 50372547

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372547001	**MW-14I**	SM 4500-H+B	789804		
50372547002	**MW-14IL**	SM 4500-H+B	789804		
50372547003	**MW-14D1**	SM 4500-H+B	789804		
50372547004	**MW-14D**	SM 4500-H+B	789804		
50372547005	**DUP-4**	SM 4500-H+B	789804		
50372547006	**MW-7S**	SM 4500-H+B	789804		
50372547007	**MW-7D**	SM 4500-H+B	789811		
50372547008	**MW-7D1**	SM 4500-H+B	789811		
50372547009	**DUP-2**	SM 4500-H+B	789811		
50372547001	**MW-14I**	EPA 353.2	789113		
50372547002	**MW-14IL**	EPA 353.2	789113		
50372547003	**MW-14D1**	EPA 353.2	789112		
50372547004	**MW-14D**	EPA 353.2	789112		
50372547005	**DUP-4**	EPA 353.2	789112		
50372547006	**MW-7S**	EPA 353.2	789114		
50372547007	**MW-7D**	EPA 353.2	789114		
50372547008	**MW-7D1**	EPA 353.2	789113		
50372547009	**DUP-2**	EPA 353.2	789113		
50372547001	**MW-14I**	SM 5310C	789533		
50372547002	**MW-14IL**	SM 5310C	789533		
50372547003	**MW-14D1**	SM 5310C	789533		
50372547004	**MW-14D**	SM 5310C	789533		
50372547005	**DUP-4**	SM 5310C	789533		
50372547006	**MW-7S**	SM 5310C	789533		
50372547007	**MW-7D**	SM 5310C	789533		
50372547008	**MW-7D1**	SM 5310C	789533		
50372547009	**DUP-2**	SM 5310C	789533		

WO#:50372547

Pace

Submitting a sample via this chain of custody constitutes acknowledgm

st Document

ds must be completed accurately.

fo.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A
Required Client Information:

Company:	Atlas
Address:	7988 Centerpoint Drive
	Suite 100, Indianapolis, IN 46256
Email:	mark.breting@atcgs.com
Phone:	317-313-8306 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mark Breting
Copy To:	
Purchase Order #:	
Project Name:	Harding Street May 2024
Project #:	

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	will.statz@pacelabs.com,
Pace Profile #:	**10498-57**

Regulatory Agency

State / Location
IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-14I	WT		5-8-24	1425				8	3	1	4							x	x	x	x	x	x	x	x		001
2	MW-14IL	WT			1300				8	3	1	4							x	x	x	x	x	x	x	x		002
3	MW-14D1	WT			1115				8	3	1	4							x	x	x	x	x	x	x	x		003
4	MW-14D	WT			1105				8	3	1	4							x	x	x	x	x	x	x	x		004
5	DUP-4	WT			1105				8	3	1	4							x	x	x	x	x	x	x	x		005
6	MW-7S	WT			1602				8	3	1	4							x	x	x	x	x	x	x	x		006
7	MW-7D	WT			1608				8	3	1	4							x	x	x	x	x	x	x	x		007
8	MW-7D1	WT		↓	1438				8	3	1	4							x	x	x	x	x	x	x	x		008
9	DUP-2	WT		5-8-24	1438				8	3	1	4							x	x	x	x	x	x	x	x		009
10		WT																	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x		
12																			x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILL JR	5.8.24	1725		5/8/24	17:25	0.7	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)							4.1			
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)							4.8			
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JOHN A. MAGILL JR					
SIGNATURE of SAMPLER:		DATE Signed: 5.8.24				

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/8/24 18:10 JG

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H
4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

08/0.7	4.2/4.1	~~4.8/4.9~~	4.9/4.8

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
8. **EZ Bottle Order?** ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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: NO3 by 353.2	—		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: 19:30			Present	Absent	N/A
Rush TAT Requested (4 days or less):		—	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			—
Custody Signatures Present?	—		Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Containers Intact?:	—		Headspace Wisconsin Sulfide?			—
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Extra labels on Terracore Vials? (soils only)			Trip Blank Present?		—	
			Trip Blank Custody Seals?:			—

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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/ZnAc >9
1													1			2	2	1	1	1							WT	✓	✓		
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024
Pace Project No.: 50372695

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 09, 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,

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: Harding Street May 2024
Pace Project No.: 50372695

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372695001	**MW-12D1**	Water	05/09/24 12:40	05/09/24 16:05
50372695002	**MW-12D**	Water	05/09/24 12:00	05/09/24 16:05
50372695003	**MW-4D**	Water	05/09/24 12:00	05/09/24 16:05
50372695004	**MW-4I**	Water	05/09/24 11:02	05/09/24 16:05
50372695005	**MW-2IL**	Water	05/09/24 13:11	05/09/24 16:05
50372695006	**MW-2S**	Water	05/09/24 10:42	05/09/24 16:05
50372695007	**MW-2D**	Water	05/09/24 11:53	05/09/24 16:05
50372695008	**MW-2D1**	Water	05/09/24 13:16	05/09/24 16:05

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372695001	**MW-12D1**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	ILP	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372695002	**MW-12D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	ILP	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372695003	**MW-4D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	ILP	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372695004	**MW-4I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372695005	**MW-2IL**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372695006	**MW-2S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372695007	**MW-2D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372695008	**MW-2D1**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372695001	**MW-12D1**					
EPA 9056	Chloride	267	mg/L	25.0	05/17/24 22:24	
EPA 9056	Fluoride	1.1	mg/L	0.10	05/22/24 14:45	
EPA 9056	Sulfate	529	mg/L	25.0	05/17/24 22:24	
EPA 6010	Barium	74.0	ug/L	10.0	05/17/24 10:39	
EPA 6010	Boron	4790	ug/L	100	05/17/24 10:39	
EPA 6010	Calcium	221000	ug/L	2000	05/17/24 12:40	
EPA 6010	Iron	3870	ug/L	100	05/17/24 10:39	
EPA 6010	Lithium	82.7	ug/L	20.0	05/17/24 10:39	
EPA 6010	Magnesium	63000	ug/L	1000	05/17/24 10:39	
EPA 6010	Manganese	448	ug/L	10.0	05/17/24 10:39	
EPA 6010	Molybdenum	121	ug/L	10.0	05/17/24 10:39	
EPA 6010	Potassium	11400	ug/L	1000	05/17/24 10:39	
EPA 6010	Sodium	171000	ug/L	1000	05/17/24 10:39	
EPA 6010	Molybdenum, Dissolved	127	ug/L	10.0	05/18/24 02:31	
EPA 6020	Arsenic	218	ug/L	2.0	05/17/24 14:55	
EPA 903.1	Radium-226	0.000 ± 0.724 (1.38) C:NA T:93%	pCi/L		06/04/24 15:45	
EPA 904.0	Radium-228	0.470 ± 0.388 (0.777) C:79% T:89%	pCi/L		05/31/24 15:47	
Total Radium Calculation	Total Radium	0.470 ± 1.11 (2.16)	pCi/L		06/05/24 11:48	
SM 2320B	Alkalinity, Total as CaCO3	315	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	315	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	1530	mg/L	20.0	05/14/24 10:16	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/17/24 16:29	H3
SM 5310C	Dissolved Organic Carbon	2.9	mg/L	1.0	05/21/24 22:02	
50372695002	**MW-12D**					
EPA 9056	Chloride	543	mg/L	25.0	05/17/24 23:17	
EPA 9056	Fluoride	1.1	mg/L	0.10	05/22/24 15:02	
EPA 9056	Sulfate	598	mg/L	25.0	05/17/24 23:17	
EPA 6010	Barium	49.4	ug/L	10.0	05/17/24 10:45	
EPA 6010	Boron	1800	ug/L	100	05/17/24 10:45	
EPA 6010	Calcium	269000	ug/L	2000	05/17/24 12:41	
EPA 6010	Iron	4300	ug/L	100	05/17/24 10:45	
EPA 6010	Lithium	59.6	ug/L	20.0	05/17/24 10:45	
EPA 6010	Magnesium	65500	ug/L	1000	05/17/24 10:45	
EPA 6010	Manganese	782	ug/L	10.0	05/17/24 10:45	
EPA 6010	Molybdenum	73.4	ug/L	10.0	05/17/24 10:45	
EPA 6010	Potassium	12200	ug/L	1000	05/17/24 10:45	
EPA 6010	Sodium	304000	ug/L	2000	05/17/24 12:41	
EPA 6010	Molybdenum, Dissolved	78.4	ug/L	10.0	05/18/24 02:33	
EPA 6020	Arsenic	121	ug/L	1.0	05/16/24 22:46	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372695002	**MW-12D**					
EPA 903.1	Radium-226	0.672 ± 0.650 (1.01) C:NA T:87%	pCi/L		06/04/24 15:45	
EPA 904.0	Radium-228	1.17 ± 0.483 (0.773) C:83% T:85%	pCi/L		05/31/24 15:47	
Total Radium Calculation	Total Radium	1.84 ± 1.13 (1.78)	pCi/L		06/05/24 11:48	
SM 2320B	Alkalinity, Total as CaCO3	304	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	304	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	2000	mg/L	40.0	05/14/24 10:16	
SM 4500-H+B	pH at 25 Degrees C	6.2	Std. Units	0.10	05/21/24 11:33	H3
50372695003	**MW-4D**					
EPA 9056	Chloride	105	mg/L	2.5	05/17/24 23:51	
EPA 9056	Fluoride	0.21	mg/L	0.10	05/22/24 15:20	
EPA 9056	Sulfate	59.3	mg/L	2.5	05/17/24 23:51	
EPA 6010	Barium	78.9	ug/L	10.0	05/17/24 10:47	
EPA 6010	Boron	166	ug/L	100	05/17/24 10:47	
EPA 6010	Calcium	86700	ug/L	1000	05/17/24 10:47	
EPA 6010	Iron	1750	ug/L	100	05/17/24 10:47	
EPA 6010	Magnesium	21500	ug/L	1000	05/17/24 10:47	
EPA 6010	Manganese	96.2	ug/L	10.0	05/17/24 10:47	
EPA 6010	Potassium	3090	ug/L	1000	05/17/24 10:47	
EPA 6010	Sodium	62900	ug/L	1000	05/17/24 10:47	
EPA 6020	Arsenic	2.0	ug/L	1.0	05/16/24 22:56	
EPA 903.1	Radium-226	0.487 ± 0.509 (0.797) C:NA T:94%	pCi/L		06/04/24 15:45	
EPA 904.0	Radium-228	1.42 ± 0.540 (0.831) C:81% T:83%	pCi/L		05/31/24 15:47	
Total Radium Calculation	Total Radium	1.91 ± 1.05 (1.63)	pCi/L		06/05/24 11:48	
SM 2320B	Alkalinity, Total as CaCO3	256	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	256	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	484	mg/L	10.0	05/14/24 10:00	
SM 4500-H+B	pH at 25 Degrees C	6.6	Std. Units	0.10	05/21/24 11:33	H3
SM 5310C	Dissolved Organic Carbon	1.5	mg/L	1.0	05/21/24 13:06	
50372695004	**MW-4I**					
EPA 9056	Chloride	103	mg/L	2.5	05/18/24 01:01	
EPA 9056	Fluoride	0.14	mg/L	0.10	05/22/24 15:37	
EPA 9056	Sulfate	47.4	mg/L	0.25	05/22/24 15:37	
EPA 6010	Barium	71.1	ug/L	10.0	05/17/24 10:48	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372695004	**MW-4I**					
EPA 6010	Boron	205	ug/L	100	05/17/24 10:48	
EPA 6010	Calcium	84300	ug/L	1000	05/17/24 10:48	
EPA 6010	Iron	1190	ug/L	100	05/17/24 10:48	
EPA 6010	Magnesium	19900	ug/L	1000	05/17/24 10:48	
EPA 6010	Manganese	160	ug/L	10.0	05/17/24 10:48	
EPA 6010	Potassium	2420	ug/L	1000	05/17/24 10:48	
EPA 6010	Sodium	66800	ug/L	1000	05/17/24 10:48	
EPA 6020	Arsenic	2.3	ug/L	1.0	05/16/24 23:00	
EPA 903.1	Radium-226	0.520 ± 0.627 (1.03) C:NA T:86%	pCi/L		06/05/24 14:46	
EPA 904.0	Radium-228	0.399 ± 0.411 (0.852) C:74% T:84%	pCi/L		05/31/24 15:47	
Total Radium Calculation	Total Radium	0.919 ± 1.04 (1.88)	pCi/L		06/05/24 17:05	
SM 2320B	Alkalinity, Total as CaCO3	259	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	259	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	484	mg/L	10.0	05/14/24 10:01	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	05/21/24 11:34	H3
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	05/21/24 13:33	
50372695005	**MW-2IL**					
EPA 9056	Chloride	8.1	mg/L	0.25	05/22/24 15:54	
EPA 9056	Fluoride	0.56	mg/L	0.10	05/22/24 15:54	
EPA 9056	Sulfate	0.37	mg/L	0.25	05/22/24 15:54	
EPA 6010	Barium	646	ug/L	10.0	05/17/24 10:50	
EPA 6010	Boron	142	ug/L	100	05/17/24 10:50	
EPA 6010	Calcium	73900	ug/L	1000	05/17/24 10:50	
EPA 6010	Iron	3270	ug/L	100	05/17/24 10:50	
EPA 6010	Magnesium	28700	ug/L	1000	05/17/24 10:50	
EPA 6010	Manganese	101	ug/L	10.0	05/17/24 10:50	
EPA 6010	Molybdenum	21.1	ug/L	10.0	05/17/24 10:50	
EPA 6010	Potassium	1960	ug/L	1000	05/17/24 10:50	
EPA 6010	Sodium	20300	ug/L	1000	05/17/24 10:50	
EPA 6010	Molybdenum, Dissolved	20.6	ug/L	10.0	05/18/24 02:38	
EPA 6020	Arsenic	16.5	ug/L	1.0	05/16/24 23:04	
EPA 903.1	Radium-226	0.796 ± 0.474 (0.451) C:NA T:90%	pCi/L		06/05/24 14:46	
EPA 904.0	Radium-228	0.778 ± 0.441 (0.801) C:80% T:81%	pCi/L		05/31/24 15:47	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372695005	**MW-2IL**					
Total Radium Calculation	Total Radium	1.57 ± 0.915 (1.25)	pCi/L		06/05/24 17:05	
SM 2320B	Alkalinity, Total as CaCO3	365	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	365	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	338	mg/L	10.0	05/14/24 10:01	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	05/21/24 11:35	H3
SM 5310C	Dissolved Organic Carbon	3.7	mg/L	1.0	05/21/24 13:58	
50372695006	**MW-2S**					
EPA 9056	Chloride	179	mg/L	2.5	05/18/24 03:55	
EPA 9056	Fluoride	0.59	mg/L	0.10	05/18/24 03:38	
EPA 9056	Sulfate	143	mg/L	2.5	05/18/24 03:55	
EPA 6010	Barium	49.3	ug/L	10.0	05/17/24 10:52	
EPA 6010	Boron	269	ug/L	100	05/17/24 10:52	
EPA 6010	Calcium	82600	ug/L	1000	05/17/24 10:52	
EPA 6010	Iron	1500	ug/L	100	05/17/24 10:52	
EPA 6010	Magnesium	23700	ug/L	1000	05/17/24 10:52	
EPA 6010	Manganese	255	ug/L	10.0	05/17/24 10:52	
EPA 6010	Molybdenum	57.4	ug/L	10.0	05/17/24 10:52	
EPA 6010	Potassium	8920	ug/L	1000	05/17/24 10:52	
EPA 6010	Sodium	127000	ug/L	1000	05/17/24 10:52	
EPA 6010	Molybdenum, Dissolved	56.0	ug/L	10.0	05/18/24 02:40	
EPA 6020	Arsenic	8.0	ug/L	1.0	05/16/24 23:15	
EPA 903.1	Radium-226	0.0610 ± 0.802 (1.50) C:NA T:84%	pCi/L		06/05/24 14:46	
EPA 904.0	Radium-228	0.918 ± 0.464 (0.813) C:80% T:82%	pCi/L		05/31/24 15:47	
Total Radium Calculation	Total Radium	0.979 ± 1.27 (2.31)	pCi/L		06/05/24 17:05	
SM 2320B	Alkalinity, Total as CaCO3	235	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	235	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	690	mg/L	10.0	05/14/24 10:01	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/21/24 11:36	H3
SM 5310C	Dissolved Organic Carbon	3.9	mg/L	1.0	05/21/24 14:19	
50372695007	**MW-2D**					
EPA 9056	Chloride	238	mg/L	25.0	05/18/24 05:05	
EPA 9056	Fluoride	0.78	mg/L	0.10	05/18/24 04:30	
EPA 9056	Sulfate	299	mg/L	2.5	05/18/24 04:47	
EPA 6010	Barium	39.6	ug/L	10.0	05/17/24 10:54	
EPA 6010	Boron	1010	ug/L	100	05/17/24 10:54	
EPA 6010	Calcium	149000	ug/L	1000	05/17/24 10:54	
EPA 6010	Iron	3270	ug/L	100	05/17/24 10:54	
EPA 6010	Lithium	34.9	ug/L	20.0	05/17/24 10:54	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372695007	**MW-2D**					
EPA 6010	Magnesium	36700	ug/L	1000	05/17/24 10:54	
EPA 6010	Manganese	390	ug/L	10.0	05/17/24 10:54	
EPA 6010	Molybdenum	63.6	ug/L	10.0	05/17/24 10:54	
EPA 6010	Potassium	9620	ug/L	1000	05/17/24 10:54	
EPA 6010	Sodium	165000	ug/L	1000	05/17/24 10:54	
EPA 6010	Molybdenum, Dissolved	65.7	ug/L	10.0	05/18/24 02:41	
EPA 6020	Arsenic	11.6	ug/L	1.0	05/16/24 23:18	
EPA 903.1	Radium-226	-0.282 ± 0.732 (1.50) C:NA T:84%	pCi/L		06/05/24 14:46	
EPA 904.0	Radium-228	1.17 ± 0.474 (0.748) C:81% T:86%	pCi/L		05/31/24 15:47	
Total Radium Calculation	Total Radium	1.17 ± 1.21 (2.25)	pCi/L		06/05/24 17:05	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	1080	mg/L	20.0	05/14/24 10:02	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	05/21/24 11:37	H3
50372695008	**MW-2D1**					
EPA 9056	Chloride	66.0	mg/L	2.5	05/18/24 05:40	
EPA 9056	Fluoride	0.46	mg/L	0.10	05/18/24 05:22	
EPA 9056	Sulfate	254	mg/L	2.5	05/18/24 05:40	
EPA 6010	Barium	501	ug/L	10.0	05/17/24 10:56	
EPA 6010	Boron	377	ug/L	100	05/17/24 10:56	
EPA 6010	Calcium	172000	ug/L	1000	05/17/24 10:56	
EPA 6010	Iron	5860	ug/L	100	05/17/24 10:56	
EPA 6010	Magnesium	54700	ug/L	1000	05/17/24 10:56	
EPA 6010	Manganese	149	ug/L	10.0	05/17/24 10:56	
EPA 6010	Potassium	3230	ug/L	1000	05/17/24 10:56	
EPA 6010	Sodium	31400	ug/L	1000	05/17/24 10:56	
EPA 6020	Arsenic	15.9	ug/L	1.0	05/16/24 23:22	
EPA 903.1	Radium-226	5.69 ± 1.51 (1.19) C:NA T:88%	pCi/L		06/05/24 14:46	
EPA 904.0	Radium-228	0.683 ± 0.419 (0.783) C:85% T:78%	pCi/L		05/31/24 15:48	
Total Radium Calculation	Total Radium	6.37 ± 1.93 (1.97)	pCi/L		06/05/24 17:05	
SM 2320B	Alkalinity, Total as CaCO3	414	mg/L	10.0	05/14/24 20:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	414	mg/L	10.0	05/14/24 20:54	
SM 2540C	Total Dissolved Solids	800	mg/L	20.0	05/14/24 10:02	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/21/24 11:37	H3
SM 5310C	Dissolved Organic Carbon	5.4	mg/L	1.0	05/21/24 15:00	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-12D1 **Lab ID: 50372695001** Collected: 05/09/24 12:40 Received: 05/09/24 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	**267**	mg/L	25.0	6.7	100		05/17/24 22:24	16887-00-6	
Fluoride	**1.1**	mg/L	0.10	0.017	1		05/22/24 14:45	16984-48-8	
Sulfate	**529**	mg/L	25.0	19.0	100		05/17/24 22:24	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**74.0**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:39	7440-39-3	
Boron	**4790**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:39	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:39	7440-43-9	
Calcium	**221000**	ug/L	2000	113	2	05/16/24 20:40	05/17/24 12:40	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:39	7440-47-3	
Iron	**3870**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:39	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:39	7439-92-1	
Lithium	**82.7**	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:39	7439-93-2	
Magnesium	**63000**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:39	7439-95-4	
Manganese	**448**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:39	7439-96-5	
Molybdenum	**121**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:39	7439-98-7	
Potassium	**11400**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:39	7440-09-7	
Sodium	**171000**	ug/L	1000	48.2	1	05/16/24 20:40	05/17/24 10:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**127**	ug/L	10.0	0.78	1	05/17/24 07:53	05/18/24 02:31	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	0.49	1	05/15/24 07:32	05/16/24 22:42	7440-36-0	
Arsenic	**218**	ug/L	2.0	0.15	2	05/15/24 07:32	05/17/24 14:55	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 22:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 22:42	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 22:42	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 22:42	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 08:37	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**315**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**315**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-12D1 **Lab ID: 50372695001** Collected: 05/09/24 12:40 Received: 05/09/24 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	**1530**	mg/L	20.0	20.0	1		05/14/24 10:16		
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		05/17/24 16:29		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		05/10/24 00:57	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.9**	mg/L	1.0	0.25	1		05/21/24 22:02		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-12D **Lab ID: 50372695002** Collected: 05/09/24 12:00 Received: 05/09/24 16:05 Matrix: Water

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to 1 out of 2 bottles of the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in ground water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**543**	mg/L	25.0	6.7	100		05/17/24 23:17	16887-00-6	
Fluoride	**1.1**	mg/L	0.10	0.017	1		05/22/24 15:02	16984-48-8	
Sulfate	**598**	mg/L	25.0	19.0	100		05/17/24 23:17	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Barium	**49.4**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:45	7440-39-3	
Boron	**1800**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:45	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:45	7440-43-9	
Calcium	**269000**	ug/L	2000	113	2	05/16/24 20:40	05/17/24 12:41	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:45	7440-47-3	
Iron	**4300**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:45	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:45	7439-92-1	
Lithium	**59.6**	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:45	7439-93-2	
Magnesium	**65500**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:45	7439-95-4	
Manganese	**782**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:45	7439-96-5	
Molybdenum	**73.4**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:45	7439-98-7	
Potassium	**12200**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:45	7440-09-7	
Sodium	**304000**	ug/L	2000	96.4	2	05/16/24 20:40	05/17/24 12:41	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**78.4**	ug/L	10.0	0.78	1	05/17/24 07:53	05/18/24 02:33	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	0.49	1	05/15/24 07:32	05/16/24 22:46	7440-36-0	
Arsenic	**121**	ug/L	1.0	0.075	1	05/15/24 07:32	05/16/24 22:46	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 22:46	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 22:46	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 22:46	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 22:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 08:40	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**304**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**304**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-12D **Lab ID: 50372695002** Collected: 05/09/24 12:00 Received: 05/09/24 16:05 Matrix: Water

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to 1 out of 2 bottles of the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in ground water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

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	**2000**	mg/L	40.0	40.0	1		05/14/24 10:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.2**	Std. Units	0.10	0.10	1		05/21/24 11:33		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		05/10/24 00:52	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		05/22/24 12:48		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-4D **Lab ID: 50372695003** Collected: 05/09/24 12:00 Received: 05/09/24 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	**105**	mg/L	2.5	0.67	10		05/17/24 23:51	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.017	1		05/22/24 15:20	16984-48-8	
Sulfate	**59.3**	mg/L	2.5	1.9	10		05/17/24 23:51	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**78.9**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:47	7440-39-3	
Boron	**166**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:47	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:47	7440-43-9	
Calcium	**86700**	ug/L	1000	56.7	1	05/16/24 20:40	05/17/24 10:47	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:47	7440-47-3	
Iron	**1750**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:47	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:47	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:47	7439-93-2	
Magnesium	**21500**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:47	7439-95-4	
Manganese	**96.2**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:47	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:47	7439-98-7	
Potassium	**3090**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:47	7440-09-7	
Sodium	**62900**	ug/L	1000	48.2	1	05/16/24 20:40	05/17/24 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	0.78	1	05/17/24 07:53	05/18/24 02:34	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	0.49	1	05/15/24 07:32	05/16/24 22:56	7440-36-0	
Arsenic	**2.0**	ug/L	1.0	0.075	1	05/15/24 07:32	05/16/24 22:56	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 22:56	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 22:56	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 22:56	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 22:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 08:42	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		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**256**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-4D **Lab ID: 50372695003** Collected: 05/09/24 12:00 Received: 05/09/24 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	**484**	mg/L	10.0	10.0	1		05/14/24 10:00		
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		05/21/24 11:33		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		05/10/24 00:54	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.5**	mg/L	1.0	0.25	1		05/21/24 13:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-4I **Lab ID: 50372695004** Collected: 05/09/24 11:02 Received: 05/09/24 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	**103**	mg/L	2.5	0.67	10		05/18/24 01:01	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.017	1		05/22/24 15:37	16984-48-8	
Sulfate	**47.4**	mg/L	0.25	0.19	1		05/22/24 15:37	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**71.1**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:48	7440-39-3	
Boron	**205**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:48	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:48	7440-43-9	
Calcium	**84300**	ug/L	1000	56.7	1	05/16/24 20:40	05/17/24 10:48	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:48	7440-47-3	
Iron	**1190**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:48	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:48	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:48	7439-93-2	
Magnesium	**19900**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:48	7439-95-4	
Manganese	**160**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:48	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:48	7439-98-7	
Potassium	**2420**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:48	7440-09-7	
Sodium	**66800**	ug/L	1000	48.2	1	05/16/24 20:40	05/17/24 10:48	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	0.78	1	05/17/24 07:53	05/18/24 02:36	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	0.49	1	05/15/24 07:32	05/16/24 23:00	7440-36-0	
Arsenic	**2.3**	ug/L	1.0	0.075	1	05/15/24 07:32	05/16/24 23:00	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 23:00	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 23:00	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 23:00	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 23:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 08:45	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		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**259**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-4I **Lab ID: 50372695004** Collected: 05/09/24 11:02 Received: 05/09/24 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	**484**	mg/L	10.0	10.0	1		05/14/24 10:01		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		05/21/24 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		05/10/24 00:48	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		05/21/24 13:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2IL **Lab ID: 50372695005** Collected: 05/09/24 13:11 Received: 05/09/24 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	**8.1**	mg/L	0.25	0.067	1		05/22/24 15:54	16887-00-6	
Fluoride	**0.56**	mg/L	0.10	0.017	1		05/22/24 15:54	16984-48-8	
Sulfate	**0.37**	mg/L	0.25	0.19	1		05/22/24 15:54	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**646**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:50	7440-39-3	
Boron	**142**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:50	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:50	7440-43-9	
Calcium	**73900**	ug/L	1000	56.7	1	05/16/24 20:40	05/17/24 10:50	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:50	7440-47-3	
Iron	**3270**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:50	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:50	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:50	7439-93-2	
Magnesium	**28700**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:50	7439-95-4	
Manganese	**101**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:50	7439-96-5	
Molybdenum	**21.1**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:50	7439-98-7	
Potassium	**1960**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:50	7440-09-7	
Sodium	**20300**	ug/L	1000	48.2	1	05/16/24 20:40	05/17/24 10:50	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	0.78	1	05/17/24 07:53	05/18/24 02:38	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	0.49	1	05/15/24 07:32	05/16/24 23:04	7440-36-0	
Arsenic	**16.5**	ug/L	1.0	0.075	1	05/15/24 07:32	05/16/24 23:04	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 23:04	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 23:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 23:04	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 23:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 08:47	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**365**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**365**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2IL **Lab ID: 50372695005** Collected: 05/09/24 13:11 Received: 05/09/24 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		05/14/24 10:01		
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		05/21/24 11:35		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		05/10/24 00:59	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.7**	mg/L	1.0	0.25	1		05/21/24 13:58		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2S **Lab ID: 50372695006** Collected: 05/09/24 10:42 Received: 05/09/24 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	**179**	mg/L	2.5	0.67	10		05/18/24 03:55	16887-00-6	
Fluoride	**0.59**	mg/L	0.10	0.017	1		05/18/24 03:38	16984-48-8	
Sulfate	**143**	mg/L	2.5	1.9	10		05/18/24 03:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**49.3**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:52	7440-39-3	
Boron	**269**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:52	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:52	7440-43-9	
Calcium	**82600**	ug/L	1000	56.7	1	05/16/24 20:40	05/17/24 10:52	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:52	7440-47-3	
Iron	**1500**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:52	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:52	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:52	7439-93-2	
Magnesium	**23700**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:52	7439-95-4	
Manganese	**255**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:52	7439-96-5	
Molybdenum	**57.4**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:52	7439-98-7	
Potassium	**8920**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:52	7440-09-7	
Sodium	**127000**	ug/L	1000	48.2	1	05/16/24 20:40	05/17/24 10:52	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**56.0**	ug/L	10.0	0.78	1	05/17/24 07:53	05/18/24 02:40	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	0.49	1	05/15/24 07:32	05/16/24 23:15	7440-36-0	
Arsenic	**8.0**	ug/L	1.0	0.075	1	05/15/24 07:32	05/16/24 23:15	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 23:15	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 23:15	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 23:15	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 23:15	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 08:49	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		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**235**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2S **Lab ID: 50372695006** Collected: 05/09/24 10:42 Received: 05/09/24 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	**690**	mg/L	10.0	10.0	1		05/14/24 10:01		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/21/24 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		05/10/24 00:39	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		05/21/24 14:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2D **Lab ID: 50372695007** Collected: 05/09/24 11:53 Received: 05/09/24 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	**238**	mg/L	25.0	6.7	100		05/18/24 05:05	16887-00-6	
Fluoride	**0.78**	mg/L	0.10	0.017	1		05/18/24 04:30	16984-48-8	
Sulfate	**299**	mg/L	2.5	1.9	10		05/18/24 04:47	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**39.6**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:54	7440-39-3	
Boron	**1010**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:54	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:54	7440-43-9	
Calcium	**149000**	ug/L	1000	56.7	1	05/16/24 20:40	05/17/24 10:54	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:54	7440-47-3	
Iron	**3270**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:54	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:54	7439-92-1	
Lithium	**34.9**	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:54	7439-93-2	
Magnesium	**36700**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:54	7439-95-4	
Manganese	**390**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:54	7439-96-5	
Molybdenum	**63.6**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:54	7439-98-7	
Potassium	**9620**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:54	7440-09-7	
Sodium	**165000**	ug/L	1000	48.2	1	05/16/24 20:40	05/17/24 10:54	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**65.7**	ug/L	10.0	0.78	1	05/17/24 07:53	05/18/24 02:41	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	0.49	1	05/15/24 07:32	05/16/24 23:18	7440-36-0	
Arsenic	**11.6**	ug/L	1.0	0.075	1	05/15/24 07:32	05/16/24 23:18	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 23:18	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 23:18	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 23:18	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 23:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 08:59	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**274**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2D **Lab ID: 50372695007** Collected: 05/09/24 11:53 Received: 05/09/24 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	**1080**	mg/L	20.0	20.0	1		05/14/24 10:02		
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		05/21/24 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		05/10/24 00:50	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		05/22/24 11:59		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2D1 **Lab ID: 50372695008** Collected: 05/09/24 13:16 Received: 05/09/24 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	**66.0**	mg/L	2.5	0.67	10		05/18/24 05:40	16887-00-6	
Fluoride	**0.46**	mg/L	0.10	0.017	1		05/18/24 05:22	16984-48-8	
Sulfate	**254**	mg/L	2.5	1.9	10		05/18/24 05:40	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**501**	ug/L	10.0	1.6	1	05/16/24 20:40	05/17/24 10:56	7440-39-3	
Boron	**377**	ug/L	100	11.4	1	05/16/24 20:40	05/17/24 10:56	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/16/24 20:40	05/17/24 10:56	7440-43-9	
Calcium	**172000**	ug/L	1000	56.7	1	05/16/24 20:40	05/17/24 10:56	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/16/24 20:40	05/17/24 10:56	7440-47-3	
Iron	**5860**	ug/L	100	18.1	1	05/16/24 20:40	05/17/24 10:56	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/16/24 20:40	05/17/24 10:56	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/16/24 20:40	05/17/24 10:56	7439-93-2	
Magnesium	**54700**	ug/L	1000	32.8	1	05/16/24 20:40	05/17/24 10:56	7439-95-4	
Manganese	**149**	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:56	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/16/24 20:40	05/17/24 10:56	7439-98-7	
Potassium	**3230**	ug/L	1000	120	1	05/16/24 20:40	05/17/24 10:56	7440-09-7	
Sodium	**31400**	ug/L	1000	48.2	1	05/16/24 20:40	05/17/24 10:56	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	0.78	1	05/17/24 07:53	05/18/24 02:43	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	0.49	1	05/15/24 07:32	05/16/24 23:22	7440-36-0	
Arsenic	**15.9**	ug/L	1.0	0.075	1	05/15/24 07:32	05/16/24 23:22	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/15/24 07:32	05/16/24 23:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/15/24 07:32	05/16/24 23:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/15/24 07:32	05/16/24 23:22	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/15/24 07:32	05/16/24 23:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/20/24 19:03	05/21/24 09:02	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		05/14/24 20:54		
Alkalinity,Bicarbonate (CaCO3)	**414**	mg/L	10.0	10.0	1		05/14/24 20:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/14/24 20:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2D1 **Lab ID: 50372695008** Collected: 05/09/24 13:16 Received: 05/09/24 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	**800**	mg/L	20.0	20.0	1		05/14/24 10:02		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/21/24 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		05/10/24 01:01	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**5.4**	mg/L	1.0	0.25	1		05/21/24 15:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789924
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3614261 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/18/24 08:51	
Fluoride	mg/L	ND	0.10	0.017	05/18/24 08:51	
Sulfate	mg/L	ND	0.25	0.19	05/18/24 08:51	

LABORATORY CONTROL SAMPLE: 3614262

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	1.0	102	80-120	
Sulfate	mg/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614269 3614270

Parameter	Units	50372695005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.1	2.5	2.5	10.2	10.3	85	87	80-120	0	15	
Fluoride	mg/L	0.56	1	1	1.6	1.6	101	102	80-120	1	15	
Sulfate	mg/L	0.37	5	5	4.9	4.9	91	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 790608
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3617856 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	05/21/24 07:58	

LABORATORY CONTROL SAMPLE: 3617857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3617858 3617859

Parameter	Units	50372692007 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	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789925
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3614263 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	1.6	05/17/24 10:05	
Boron	ug/L	ND	100	11.4	05/17/24 10:05	
Cadmium	ug/L	ND	2.0	0.74	05/17/24 10:05	
Calcium	ug/L	ND	1000	56.7	05/17/24 10:05	
Chromium	ug/L	ND	10.0	1.4	05/17/24 10:05	
Iron	ug/L	ND	100	18.1	05/17/24 10:05	
Lead	ug/L	ND	10.0	4.0	05/17/24 10:05	
Lithium	ug/L	ND	20.0	5.1	05/17/24 10:05	
Magnesium	ug/L	ND	1000	32.8	05/17/24 10:05	
Manganese	ug/L	ND	10.0	1.1	05/17/24 10:05	
Molybdenum	ug/L	ND	10.0	1.1	05/17/24 10:05	
Potassium	ug/L	ND	1000	120	05/17/24 10:05	
Sodium	ug/L	ND	1000	48.2	05/17/24 10:05	

LABORATORY CONTROL SAMPLE: 3614264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	978	98	80-120	
Boron	ug/L	1000	960	96	80-120	
Cadmium	ug/L	1000	930	93	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	984	98	80-120	
Iron	ug/L	10000	9740	97	80-120	
Lead	ug/L	1000	913	91	80-120	
Lithium	ug/L	1000	987	99	80-120	
Magnesium	ug/L	10000	9790	98	80-120	
Manganese	ug/L	1000	980	98	80-120	
Molybdenum	ug/L	1000	989	99	80-120	
Potassium	ug/L	10000	9840	98	80-120	
Sodium	ug/L	10000	9740	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614265 3614266

Parameter	Units	50372732002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	44.4	1000	1000	989	1070	94	102	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614265 3614266

Parameter	Units	50372732002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	800	1000	1000	1730	1870	93	107	75-125	8	20	
Cadmium	ug/L	ND	1000	1000	909	979	91	98	75-125	7	20	
Calcium	ug/L	1190	10000	10000	10800	11700	96	105	75-125	8	20	
Chromium	ug/L	ND	1000	1000	936	1010	94	101	75-125	8	20	
Iron	ug/L	ND	10000	10000	9260	10000	92	100	75-125	8	20	
Lead	ug/L	ND	1000	1000	853	922	85	92	75-125	8	20	
Lithium	ug/L	ND	1000	1000	947	1020	93	100	75-125	7	20	
Magnesium	ug/L	ND	10000	10000	9360	10200	89	97	75-125	9	20	
Manganese	ug/L	ND	1000	1000	923	1000	92	100	75-125	8	20	
Molybdenum	ug/L	ND	1000	1000	968	1040	97	104	75-125	8	20	
Potassium	ug/L	1100	10000	10000	10700	11400	96	103	75-125	6	20	
Sodium	ug/L	412000	10000	10000	399000	428000	-122	161	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789964
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3614519 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	05/18/24 02:28	

LABORATORY CONTROL SAMPLE: 3614520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1050	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614521 3614522

Parameter	Units	50372699001 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	513	1000	1000	1630	1580	111	107	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789890
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3614037 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	05/16/24 22:35	
Arsenic	ug/L	ND	1.0	0.075	05/16/24 22:35	
Beryllium	ug/L	ND	0.20	0.035	05/16/24 22:35	
Cobalt	ug/L	ND	1.0	0.046	05/16/24 22:35	
Selenium	ug/L	ND	1.0	0.20	05/16/24 22:35	
Thallium	ug/L	ND	1.0	0.040	05/16/24 22:35	

LABORATORY CONTROL SAMPLE: 3614038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	44.6	112	80-120	
Arsenic	ug/L	40	38.7	97	80-120	
Beryllium	ug/L	40	41.4	103	80-120	
Cobalt	ug/L	40	44.0	110	80-120	
Selenium	ug/L	40	39.1	98	80-120	
Thallium	ug/L	40	44.4	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614039 3614040

Parameter	Units	50372699001 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	41.6	41.7	104	104	75-125	0	20	
Arsenic	ug/L	1.2	40	40	40.1	40.3	97	98	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.5	39.6	99	99	75-125	0	20	
Cobalt	ug/L	ND	40	40	38.6	39.1	95	96	75-125	2	20	
Selenium	ug/L	ND	40	40	44.6	44.3	111	110	75-125	1	20	
Thallium	ug/L	ND	40	40	43.2	43.3	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789933
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3614314 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/14/24 20:54	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/14/24 20:54	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/14/24 20:54	

LABORATORY CONTROL SAMPLE: 3614315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	90-110	

SAMPLE DUPLICATE: 3614316

Parameter	Units	50372851001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	317	320	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	317	320	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3614317

Parameter	Units	50372699001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	53.4	54.2	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	53.4	54.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789726
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002

METHOD BLANK: 3613463 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/14/24 10:09	

LABORATORY CONTROL SAMPLE: 3613464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	298	99	80-120	

SAMPLE DUPLICATE: 3613465

Parameter	Units	50372904021 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	491	480	2	10	

SAMPLE DUPLICATE: 3613466

Parameter	Units	50372693005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	328	334	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789727 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3613467 Matrix: Water
Associated Lab Samples: 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/14/24 10:00	

LABORATORY CONTROL SAMPLE: 3613468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	311	104	80-120	

SAMPLE DUPLICATE: 3613469

Parameter	Units	50372695003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	484	503	4	10	

SAMPLE DUPLICATE: 3613470

Parameter	Units	50372699001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2980	2800	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 790448
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: 50372695001

SAMPLE DUPLICATE: 3616926

Parameter	Units	50373037001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.3	1	2	H3

SAMPLE DUPLICATE: 3616927

Parameter	Units	50372695001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 790453
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: 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

SAMPLE DUPLICATE: 3616928

Parameter	Units	50372699001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.7	1	2	H3

SAMPLE DUPLICATE: 3616929

Parameter	Units	50372783001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 789114 | 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: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3610192 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/10/24 00:22	

LABORATORY CONTROL SAMPLE: 3610193

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: 3610194 3610195

Parameter	Units	50372695006 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	104	103	90-110	1	20	

MATRIX SPIKE SAMPLE: 3610196

Parameter	Units	50372695003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 791071
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695001, 50372695002

METHOD BLANK: 3619830 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/21/24 16:50	

LABORATORY CONTROL SAMPLE: 3619831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	10.3	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619832 3619833

Parameter	Units	50372668010 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	11.2	40	40	52.3	52.5	103	103	80-120	0	20	

MATRIX SPIKE SAMPLE: 3619834

Parameter	Units	50372695001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.9	10	12.3	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 791073 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3619843 Matrix: Water
Associated Lab Samples: 50372695003, 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/21/24 12:27	

LABORATORY CONTROL SAMPLE: 3619844

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619845 3619846

Parameter	Units	50372699001 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	14.5	4.8	121	23	80-120	101	20	M3,R1

MATRIX SPIKE SAMPLE: 3619847

Parameter	Units	50372867001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	9.3	10	18.0	87	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-12D1 **Lab ID: 50372695001** Collected: 05/09/24 12:40 Received: 05/09/24 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	**0.000 ± 0.724 (1.38) C:NA T:93%**	pCi/L	06/04/24 15:45	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.470 ± 0.388 (0.777) C:79% T:89%**	pCi/L	05/31/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.470 ± 1.11 (2.16)**	pCi/L	06/05/24 11:48	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-12D **Lab ID: 50372695002** Collected: 05/09/24 12:00 Received: 05/09/24 16:05 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to 1 out of 2 bottles of the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in ground water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.672 ± 0.650 (1.01) C:NA T:87%**	pCi/L	06/04/24 15:45	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.17 ± 0.483 (0.773) C:83% T:85%**	pCi/L	05/31/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.84 ± 1.13 (1.78)**	pCi/L	06/05/24 11:48	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-4D **Lab ID: 50372695003** Collected: 05/09/24 12:00 Received: 05/09/24 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	**0.487 ± 0.509 (0.797) C:NA T:94%**	pCi/L	06/04/24 15:45	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.42 ± 0.540 (0.831) C:81% T:83%**	pCi/L	05/31/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.91 ± 1.05 (1.63)**	pCi/L	06/05/24 11:48	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-4I **Lab ID: 50372695004** Collected: 05/09/24 11:02 Received: 05/09/24 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	**0.520 ± 0.627 (1.03) C:NA T:86%**	pCi/L	06/05/24 14:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.399 ± 0.411 (0.852) C:74% T:84%**	pCi/L	05/31/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.919 ± 1.04 (1.88)**	pCi/L	06/05/24 17:05	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2IL **Lab ID: 50372695005** Collected: 05/09/24 13:11 Received: 05/09/24 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	**0.796 ± 0.474 (0.451) C:NA T:90%**	pCi/L	06/05/24 14:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.778 ± 0.441 (0.801) C:80% T:81%**	pCi/L	05/31/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.57 ± 0.915 (1.25)**	pCi/L	06/05/24 17:05	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2S **Lab ID: 50372695006** Collected: 05/09/24 10:42 Received: 05/09/24 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	**0.0610 ± 0.802 (1.50) C:NA T:84%**	pCi/L	06/05/24 14:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.918 ± 0.464 (0.813) C:80% T:82%**	pCi/L	05/31/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.979 ± 1.27 (2.31)**	pCi/L	06/05/24 17:05	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2D **Lab ID: 50372695007** Collected: 05/09/24 11:53 Received: 05/09/24 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	**-0.282 ± 0.732 (1.50) C:NA T:84%**	pCi/L	06/05/24 14:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.17 ± 0.474 (0.748) C:81% T:86%**	pCi/L	05/31/24 15:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.17 ± 1.21 (2.25)**	pCi/L	06/05/24 17:05	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

Sample: MW-2D1 **Lab ID: 50372695008** Collected: 05/09/24 13:16 Received: 05/09/24 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	**5.69 ± 1.51 (1.19) C:NA T:88%**	pCi/L	06/05/24 14:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.683 ± 0.419 (0.783) C:85% T:78%**	pCi/L	05/31/24 15:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**6.37 ± 1.93 (1.97)**	pCi/L	06/05/24 17:05	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 669130
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: 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3258482 Matrix: Water
Associated Lab Samples: 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0506 ± 0.231 (0.470) C:NA T:82%	pCi/L	06/05/24 14:46	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 668772
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: 50372695001, 50372695002, 50372695003

METHOD BLANK: 3256730 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.176 ± 0.274 (0.475) C:NA T:97%	pCi/L	06/04/24 15:17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 668773
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: 50372695001, 50372695002, 50372695003

METHOD BLANK: 3256731 Matrix: Water
Associated Lab Samples: 50372695001, 50372695002, 50372695003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.347 ± 0.373 (0.774) C:73% T:82%	pCi/L	05/31/24 14:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024
Pace Project No.: 50372695

QC Batch: 669131
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: 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

METHOD BLANK: 3258483 Matrix: Water
Associated Lab Samples: 50372695004, 50372695005, 50372695006, 50372695007, 50372695008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.245 ± 0.355 (0.873) C:81% T:80%	pCi/L	05/31/24 15:47	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024
Pace Project No.: 50372695

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.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372695001	**MW-12D1**	EPA 9056	789924		
50372695002	**MW-12D**	EPA 9056	789924		
50372695003	**MW-4D**	EPA 9056	789924		
50372695004	**MW-4I**	EPA 9056	789924		
50372695005	**MW-2IL**	EPA 9056	789924		
50372695006	**MW-2S**	EPA 9056	789924		
50372695007	**MW-2D**	EPA 9056	789924		
50372695008	**MW-2D1**	EPA 9056	789924		
50372695001	**MW-12D1**	EPA 3010	789925	EPA 6010	790544
50372695002	**MW-12D**	EPA 3010	789925	EPA 6010	790544
50372695003	**MW-4D**	EPA 3010	789925	EPA 6010	790544
50372695004	**MW-4I**	EPA 3010	789925	EPA 6010	790544
50372695005	**MW-2IL**	EPA 3010	789925	EPA 6010	790544
50372695006	**MW-2S**	EPA 3010	789925	EPA 6010	790544
50372695007	**MW-2D**	EPA 3010	789925	EPA 6010	790544
50372695008	**MW-2D1**	EPA 3010	789925	EPA 6010	790544
50372695001	**MW-12D1**	EPA 3010	789964	EPA 6010	790711
50372695002	**MW-12D**	EPA 3010	789964	EPA 6010	790711
50372695003	**MW-4D**	EPA 3010	789964	EPA 6010	790711
50372695004	**MW-4I**	EPA 3010	789964	EPA 6010	790711
50372695005	**MW-2IL**	EPA 3010	789964	EPA 6010	790711
50372695006	**MW-2S**	EPA 3010	789964	EPA 6010	790711
50372695007	**MW-2D**	EPA 3010	789964	EPA 6010	790711
50372695008	**MW-2D1**	EPA 3010	789964	EPA 6010	790711
50372695001	**MW-12D1**	EPA 200.2	789890	EPA 6020	790091
50372695002	**MW-12D**	EPA 200.2	789890	EPA 6020	790091
50372695003	**MW-4D**	EPA 200.2	789890	EPA 6020	790091
50372695004	**MW-4I**	EPA 200.2	789890	EPA 6020	790091
50372695005	**MW-2IL**	EPA 200.2	789890	EPA 6020	790091
50372695006	**MW-2S**	EPA 200.2	789890	EPA 6020	790091
50372695007	**MW-2D**	EPA 200.2	789890	EPA 6020	790091
50372695008	**MW-2D1**	EPA 200.2	789890	EPA 6020	790091
50372695001	**MW-12D1**	EPA 7470	790608	EPA 7470	791040
50372695002	**MW-12D**	EPA 7470	790608	EPA 7470	791040
50372695003	**MW-4D**	EPA 7470	790608	EPA 7470	791040
50372695004	**MW-4I**	EPA 7470	790608	EPA 7470	791040
50372695005	**MW-2IL**	EPA 7470	790608	EPA 7470	791040
50372695006	**MW-2S**	EPA 7470	790608	EPA 7470	791040
50372695007	**MW-2D**	EPA 7470	790608	EPA 7470	791040
50372695008	**MW-2D1**	EPA 7470	790608	EPA 7470	791040
50372695001	**MW-12D1**	EPA 903.1	668772		
50372695002	**MW-12D**	EPA 903.1	668772		
50372695003	**MW-4D**	EPA 903.1	668772		
50372695004	**MW-4I**	EPA 903.1	669130		
50372695005	**MW-2IL**	EPA 903.1	669130		
50372695006	**MW-2S**	EPA 903.1	669130		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372695007	**MW-2D**	EPA 903.1	669130		
50372695008	**MW-2D1**	EPA 903.1	669130		
50372695001	**MW-12D1**	EPA 904.0	668773		
50372695002	**MW-12D**	EPA 904.0	668773		
50372695003	**MW-4D**	EPA 904.0	668773		
50372695004	**MW-4I**	EPA 904.0	669131		
50372695005	**MW-2IL**	EPA 904.0	669131		
50372695006	**MW-2S**	EPA 904.0	669131		
50372695007	**MW-2D**	EPA 904.0	669131		
50372695008	**MW-2D1**	EPA 904.0	669131		
50372695001	**MW-12D1**	Total Radium Calculation	673404		
50372695002	**MW-12D**	Total Radium Calculation	673404		
50372695003	**MW-4D**	Total Radium Calculation	673404		
50372695004	**MW-4I**	Total Radium Calculation	673549		
50372695005	**MW-2IL**	Total Radium Calculation	673549		
50372695006	**MW-2S**	Total Radium Calculation	673549		
50372695007	**MW-2D**	Total Radium Calculation	673549		
50372695008	**MW-2D1**	Total Radium Calculation	673549		
50372695001	**MW-12D1**	SM 2320B	789933		
50372695002	**MW-12D**	SM 2320B	789933		
50372695003	**MW-4D**	SM 2320B	789933		
50372695004	**MW-4I**	SM 2320B	789933		
50372695005	**MW-2IL**	SM 2320B	789933		
50372695006	**MW-2S**	SM 2320B	789933		
50372695007	**MW-2D**	SM 2320B	789933		
50372695008	**MW-2D1**	SM 2320B	789933		
50372695001	**MW-12D1**	SM 2540C	789726		
50372695002	**MW-12D**	SM 2540C	789726		
50372695003	**MW-4D**	SM 2540C	789727		
50372695004	**MW-4I**	SM 2540C	789727		
50372695005	**MW-2IL**	SM 2540C	789727		
50372695006	**MW-2S**	SM 2540C	789727		
50372695007	**MW-2D**	SM 2540C	789727		
50372695008	**MW-2D1**	SM 2540C	789727		
50372695001	**MW-12D1**	SM 4500-H+B	790448		
50372695002	**MW-12D**	SM 4500-H+B	790453		
50372695003	**MW-4D**	SM 4500-H+B	790453		
50372695004	**MW-4I**	SM 4500-H+B	790453		
50372695005	**MW-2IL**	SM 4500-H+B	790453		
50372695006	**MW-2S**	SM 4500-H+B	790453		
50372695007	**MW-2D**	SM 4500-H+B	790453		
50372695008	**MW-2D1**	SM 4500-H+B	790453		
50372695001	**MW-12D1**	EPA 353.2	789114		
50372695002	**MW-12D**	EPA 353.2	789114		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024
Pace Project No.: 50372695

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372695003	**MW-4D**	EPA 353.2	789114		
50372695004	**MW-4I**	EPA 353.2	789114		
50372695005	**MW-2IL**	EPA 353.2	789114		
50372695006	**MW-2S**	EPA 353.2	789114		
50372695007	**MW-2D**	EPA 353.2	789114		
50372695008	**MW-2D1**	EPA 353.2	789114		
50372695001	**MW-12D1**	SM 5310C	791071		
50372695002	**MW-12D**	SM 5310C	791071		
50372695003	**MW-4D**	SM 5310C	791073		
50372695004	**MW-4I**	SM 5310C	791073		
50372695005	**MW-2IL**	SM 5310C	791073		
50372695006	**MW-2S**	SM 5310C	791073		
50372695007	**MW-2D**	SM 5310C	791073		
50372695008	**MW-2D1**	SM 5310C	791073		

WO# : 50372695

50372695

Pace

Submitting a sample via this chain of custody constitutes acknowledg

est Document

ds must be completed accurately.

/info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A
Required Client Information:

Company:	Atlas
Address:	7988 Centerpoint Drive
	Suite 100, Indianapolis, IN 46256
Email:	mark.breting@atcgs.com
Phone:	317-313-8306 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Mark Breting
Copy To:	
Purchase Order #:	
Project Name:	Harding Street May 2024
Project #:	

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	will.statz@pacelabs.com,
Pace Profile #:	10498-57

Regulatory Agency

State / Location
IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-12D1	WT		5-9-24	1240				8	3	1	4							x	x	x	x	x	x	x	x		001
2	MW-12D	WT			1200				8	3	1	4							x	x	x	x	x	x	x	x		002
3	MW-4D	WT			1200				8	3	1	4							x	x	x	x	x	x	x	x		003
4	MW-4I	WT			1102				8	3	1	4							x	x	x	x	x	x	x	x		004
5	MW-2IL	WT			1311				8	3	1	4							x	x	x	x	x	x	x	x		005
6	MW-2S	WT			1042				8	3	1	4							x	x	x	x	x	x	x	x		006
7	MW-2D	WT		↓	1153				8	3	1	4							x	x	x	x	x	x	x	x		007
8	MW-2D1	WT		5-9-24	1316				8	3	1	4							x	x	x	x	x	x	x	x		008
9		WT																	x	x	x	x	x	x	x	x		
10		WT																	x	x	x	x	x	x	x	x		
11		WT																	x	x	x	x	x	x	x	x		
12																			x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Aaron Day	5-9-24	1605	Mallee	5/9/24	1605	1.5	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aaron Day

SIGNATURE of SAMPLER: Aaron Day

DATE Signed: 5-9-24

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/9/24 1742 mw

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H
4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.7 / 1.5	1.8 / 1.6	2.5 / 2.3	

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
8. **EZ Bottle Order?** ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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: 18:55		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 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	~~✓~~ mw	✓	Trip Blank Present?		✓	
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:			✓

COMMENTS: Sample point 5 on COC has an ID of MW-2IL. The samples read MW-2L. MW 5/9/24

COC PAGE ____ of ____

Sample Container Count

** Place a RED 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	2	1	1	1								S	✓	✓		
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 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,

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: Harding Street May 2024 P1R1
Pace Project No.: 50372871

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372871001	**MW-6S**	Water	05/10/24 10:50	05/10/24 16:45
50372871002	**MW-6I**	Water	05/10/24 14:10	05/10/24 16:45
50372871003	**MW-6D**	Water	05/10/24 12:10	05/10/24 16:45
50372871004	**MW-11S**	Water	05/10/24 14:27	05/10/24 16:45
50372871005	**MW-11D**	Water	05/10/24 13:10	05/10/24 16:45
50372871006	**MW-15S**	Water	05/10/24 11:45	05/10/24 16:45
50372871007	**MW-15I**	Water	05/10/24 12:55	05/10/24 16:45
50372871008	**MW-15D**	Water	05/10/24 11:25	05/10/24 16:45
50372871009	**MW-15D MS**	Water	05/10/24 11:25	05/10/24 16:45
50372871010	**MW-15D MSD**	Water	05/10/24 11:25	05/10/24 16:45

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372871001	**MW-6S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871002	**MW-6I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871003	**MW-6D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871004	**MW-11S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871005	**MW-11D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871006	**MW-15S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871007	**MW-15I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871008	**MW-15D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	ELK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	DMT	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372871009	**MW-15D MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
50372871010	**MW-15D MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372871001	**MW-6S**					
EPA 9056	Chloride	243	mg/L	25.0	05/24/24 01:30	
EPA 9056	Fluoride	1.9	mg/L	0.10	05/24/24 00:57	
EPA 9056	Sulfate	410	mg/L	2.5	05/24/24 01:13	
EPA 6010	Barium	80.7	ug/L	10.0	05/21/24 13:34	
EPA 6010	Boron	4090	ug/L	100	05/21/24 13:34	
EPA 6010	Calcium	179000	ug/L	1000	05/21/24 13:34	
EPA 6010	Iron	6170	ug/L	100	05/21/24 13:34	
EPA 6010	Lithium	48.0	ug/L	20.0	05/21/24 13:34	
EPA 6010	Magnesium	45900	ug/L	1000	05/21/24 13:34	
EPA 6010	Manganese	1310	ug/L	10.0	05/21/24 13:34	
EPA 6010	Molybdenum	229	ug/L	10.0	05/21/24 13:34	
EPA 6010	Potassium	10000	ug/L	1000	05/21/24 13:34	
EPA 6010	Sodium	178000	ug/L	1000	05/21/24 13:34	
EPA 6010	Molybdenum, Dissolved	254	ug/L	10.0	05/21/24 02:37	
EPA 6020	Arsenic	14.0	ug/L	1.0	05/20/24 15:52	
EPA 6020	Cobalt	2.1	ug/L	1.0	05/20/24 15:52	
EPA 6020	Selenium	5.4	ug/L	1.0	05/20/24 15:52	
EPA 903.1	Radium-226	0.182 ± 0.357 (0.653) C:NA T:88%	pCi/L		05/31/24 15:18	
EPA 904.0	Radium-228	0.787 ± 0.407 (0.710) C:84% T:78%	pCi/L		05/30/24 11:31	
Total Radium Calculation	Total Radium	0.969 ± 0.764 (1.36)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	417	mg/L	10.0	05/13/24 21:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	417	mg/L	10.0	05/13/24 21:06	
SM 2540C	Total Dissolved Solids	1350	mg/L	20.0	05/15/24 11:37	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	05/22/24 15:40	H3
EPA 353.2	Nitrogen, Nitrate	0.29	mg/L	0.10	05/10/24 22:43	
50372871002	**MW-6I**					
EPA 9056	Chloride	282	mg/L	25.0	05/24/24 02:21	
EPA 9056	Fluoride	0.45	mg/L	0.10	05/24/24 01:47	
EPA 9056	Sulfate	715	mg/L	25.0	05/24/24 02:21	
EPA 6010	Barium	33.0	ug/L	10.0	05/21/24 13:35	
EPA 6010	Boron	2470	ug/L	100	05/21/24 13:35	
EPA 6010	Calcium	242000	ug/L	2000	05/21/24 17:34	
EPA 6010	Iron	4710	ug/L	100	05/21/24 13:35	
EPA 6010	Lithium	62.2	ug/L	20.0	05/21/24 13:35	
EPA 6010	Magnesium	85400	ug/L	1000	05/21/24 13:35	
EPA 6010	Manganese	455	ug/L	10.0	05/21/24 13:35	
EPA 6010	Molybdenum	136	ug/L	10.0	05/21/24 13:35	
EPA 6010	Potassium	13100	ug/L	1000	05/21/24 13:35	
EPA 6010	Sodium	221000	ug/L	2000	05/21/24 17:34	
EPA 6010	Molybdenum, Dissolved	145	ug/L	10.0	05/21/24 02:38	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372871002	**MW-6I**					
EPA 6020	Arsenic	8.7	ug/L	1.0	05/20/24 15:55	
EPA 903.1	Radium-226	0.556 ± 0.622 (1.02) C:NA T:91%	pCi/L		05/31/24 15:18	
EPA 904.0	Radium-228	0.946 ± 0.526 (0.973) C:79% T:80%	pCi/L		05/30/24 11:31	
Total Radium Calculation	Total Radium	1.50 ± 1.15 (1.99)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	343	mg/L	10.0	05/13/24 21:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	343	mg/L	10.0	05/13/24 21:06	
SM 2540C	Total Dissolved Solids	1820	mg/L	20.0	05/15/24 11:37	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	05/21/24 17:32	H3
50372871003	**MW-6D**					
EPA 9056	Chloride	231	mg/L	25.0	05/24/24 04:02	
EPA 9056	Fluoride	0.29	mg/L	0.10	05/24/24 03:28	
EPA 9056	Sulfate	792	mg/L	25.0	05/24/24 04:02	
EPA 6010	Barium	36.8	ug/L	10.0	05/21/24 13:37	
EPA 6010	Boron	10600	ug/L	100	05/21/24 13:37	
EPA 6010	Calcium	283000	ug/L	2000	05/21/24 17:39	
EPA 6010	Iron	5710	ug/L	100	05/21/24 13:37	
EPA 6010	Lithium	60.7	ug/L	20.0	05/21/24 13:37	
EPA 6010	Magnesium	47000	ug/L	1000	05/21/24 13:37	
EPA 6010	Manganese	575	ug/L	10.0	05/21/24 13:37	
EPA 6010	Molybdenum	302	ug/L	10.0	05/21/24 13:37	
EPA 6010	Potassium	10700	ug/L	1000	05/21/24 13:37	
EPA 6010	Sodium	169000	ug/L	1000	05/21/24 13:37	
EPA 6010	Molybdenum, Dissolved	323	ug/L	10.0	05/21/24 02:40	
EPA 6020	Cobalt	1.0	ug/L	1.0	05/20/24 15:59	
EPA 903.1	Radium-226	1.29 ± 0.742 (0.977) C:NA T:80%	pCi/L		05/31/24 15:18	
EPA 904.0	Radium-228	0.800 ± 0.459 (0.839) C:75% T:85%	pCi/L		05/30/24 11:31	
Total Radium Calculation	Total Radium	2.09 ± 1.20 (1.82)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	202	mg/L	10.0	05/13/24 21:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	202	mg/L	10.0	05/13/24 21:06	
SM 2540C	Total Dissolved Solids	1730	mg/L	20.0	05/15/24 11:37	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	05/21/24 17:32	H3
50372871004	**MW-11S**					
EPA 9056	Chloride	29.7	mg/L	2.5	05/24/24 04:36	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372871004	**MW-11S**					
EPA 9056	Fluoride	1.7	mg/L	0.10	05/24/24 04:19	
EPA 9056	Sulfate	118	mg/L	2.5	05/24/24 04:36	
EPA 6010	Barium	79.9	ug/L	10.0	05/21/24 13:39	
EPA 6010	Boron	819	ug/L	100	05/21/24 13:39	
EPA 6010	Calcium	55300	ug/L	1000	05/21/24 13:39	
EPA 6010	Iron	110	ug/L	100	05/21/24 13:39	
EPA 6010	Magnesium	31400	ug/L	1000	05/21/24 13:39	
EPA 6010	Molybdenum	67.4	ug/L	10.0	05/21/24 13:39	
EPA 6010	Potassium	1820	ug/L	1000	05/21/24 13:39	
EPA 6010	Sodium	20500	ug/L	1000	05/21/24 13:39	
EPA 6010	Molybdenum, Dissolved	75.3	ug/L	10.0	05/21/24 02:42	
EPA 6020	Arsenic	1.7	ug/L	1.0	05/20/24 16:03	
EPA 903.1	Radium-226	0.330 ± 0.745 (1.33) C:NA T:87%	pCi/L		05/31/24 15:18	
EPA 904.0	Radium-228	0.476 ± 0.479 (0.999) C:82% T:79%	pCi/L		05/30/24 11:32	
Total Radium Calculation	Total Radium	0.806 ± 1.22 (2.33)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	220	mg/L	10.0	05/13/24 21:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	202	mg/L	10.0	05/13/24 21:06	
SM 2320B	Alkalinity,Carbonate (CaCO3)	18.0	mg/L	10.0	05/13/24 21:06	
SM 2540C	Total Dissolved Solids	478	mg/L	10.0	05/15/24 11:38	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	05/21/24 17:32	H3
EPA 353.2	Nitrogen, Nitrate	0.16	mg/L	0.10	05/10/24 23:28	
50372871005	**MW-11D**					
EPA 9056	Chloride	76.0	mg/L	2.5	05/24/24 05:09	
EPA 9056	Fluoride	0.51	mg/L	0.10	05/24/24 04:52	
EPA 9056	Sulfate	528	mg/L	25.0	05/24/24 05:26	
EPA 6010	Barium	23.1	ug/L	10.0	05/21/24 13:41	
EPA 6010	Boron	9970	ug/L	100	05/21/24 13:41	
EPA 6010	Calcium	197000	ug/L	1000	05/21/24 13:41	
EPA 6010	Iron	5040	ug/L	100	05/21/24 13:41	
EPA 6010	Lithium	126	ug/L	20.0	05/21/24 13:41	
EPA 6010	Magnesium	46000	ug/L	1000	05/21/24 13:41	
EPA 6010	Manganese	37.2	ug/L	10.0	05/21/24 13:41	
EPA 6010	Potassium	2960	ug/L	1000	05/21/24 13:41	
EPA 6010	Sodium	67100	ug/L	1000	05/21/24 13:41	
EPA 6020	Arsenic	15.1	ug/L	1.0	05/20/24 16:13	
EPA 903.1	Radium-226	0.314 ± 0.563 (0.985) C:NA T:92%	pCi/L		05/31/24 15:18	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372871005	**MW-11D**					
EPA 904.0	Radium-228	0.657 ± 0.433 (0.830) C:81% T:79%	pCi/L		05/30/24 11:32	
Total Radium Calculation	Total Radium	0.971 ± 0.996 (1.82)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	265	mg/L	10.0	05/16/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	265	mg/L	10.0	05/16/24 20:24	
SM 2540C	Total Dissolved Solids	1160	mg/L	20.0	05/15/24 11:38	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	05/21/24 17:33	H3
SM 5310C	Dissolved Organic Carbon	1.3	mg/L	1.0	05/23/24 23:24	
50372871006	**MW-15S**					
EPA 9056	Chloride	22.8	mg/L	2.5	05/24/24 06:00	
EPA 9056	Fluoride	0.13	mg/L	0.10	05/24/24 05:43	
EPA 9056	Sulfate	54.6	mg/L	2.5	05/24/24 06:00	
EPA 6010	Barium	39.5	ug/L	10.0	05/21/24 13:42	
EPA 6010	Boron	105	ug/L	100	05/21/24 13:42	
EPA 6010	Calcium	90600	ug/L	1000	05/21/24 13:42	
EPA 6010	Magnesium	23300	ug/L	1000	05/21/24 13:42	
EPA 6010	Potassium	1410	ug/L	1000	05/21/24 13:42	
EPA 6010	Sodium	18600	ug/L	1000	05/21/24 13:42	
EPA 6020	Selenium	1.2	ug/L	1.0	05/20/24 16:17	
EPA 903.1	Radium-226	0.271 ± 0.593 (1.06) C:NA T:87%	pCi/L		05/31/24 15:33	
EPA 904.0	Radium-228	0.147 ± 0.285 (0.627) C:88% T:85%	pCi/L		05/30/24 11:34	
Total Radium Calculation	Total Radium	0.418 ± 0.878 (1.69)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	05/16/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	05/16/24 20:24	
SM 2540C	Total Dissolved Solids	433	mg/L	10.0	05/15/24 11:38	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/21/24 17:33	H3
EPA 353.2	Nitrogen, Nitrate	6.2	mg/L	0.50	05/10/24 23:30	
SM 5310C	Dissolved Organic Carbon	1.6	mg/L	1.0	05/23/24 23:50	
50372871007	**MW-15I**					
EPA 9056	Chloride	21.2	mg/L	2.5	05/24/24 07:07	
EPA 9056	Sulfate	46.9	mg/L	2.5	05/24/24 07:07	
EPA 6010	Barium	68.0	ug/L	10.0	05/21/24 13:44	
EPA 6010	Boron	119	ug/L	100	05/21/24 13:44	
EPA 6010	Calcium	112000	ug/L	1000	05/21/24 13:44	
EPA 6010	Magnesium	29900	ug/L	1000	05/21/24 13:44	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372871007	**MW-15I**					
EPA 6010	Manganese	22.7	ug/L	10.0	05/21/24 13:44	
EPA 6010	Potassium	1540	ug/L	1000	05/21/24 13:44	
EPA 6010	Sodium	13900	ug/L	1000	05/21/24 13:44	
EPA 6020	Cobalt	1.1	ug/L	1.0	05/20/24 16:21	
EPA 6020	Selenium	3.3	ug/L	1.0	05/20/24 16:21	
EPA 903.1	Radium-226	0.341 ± 0.317 (0.418) C:NA T:87%	pCi/L		05/31/24 15:33	
EPA 904.0	Radium-228	-0.0595 ± 0.320 (0.773) C:67% T:83%	pCi/L		05/30/24 11:34	
Total Radium Calculation	Total Radium	0.341 ± 0.637 (1.19)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	359	mg/L	10.0	05/16/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	359	mg/L	10.0	05/16/24 20:24	
SM 2540C	Total Dissolved Solids	479	mg/L	10.0	05/15/24 11:39	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/21/24 17:34	H3
EPA 353.2	Nitrogen, Nitrate	3.3	mg/L	0.10	05/10/24 23:15	
50372871008	**MW-15D**					
EPA 9056	Chloride	20.4	mg/L	0.25	05/24/24 07:24	
EPA 9056	Sulfate	65.2	mg/L	2.5	05/24/24 07:41	
EPA 6010	Barium	63.7	ug/L	10.0	05/21/24 13:46	
EPA 6010	Boron	149	ug/L	100	05/21/24 13:46	
EPA 6010	Calcium	101000	ug/L	1000	05/21/24 13:46	
EPA 6010	Iron	1420	ug/L	100	05/21/24 13:46	
EPA 6010	Magnesium	29900	ug/L	1000	05/21/24 13:46	
EPA 6010	Manganese	97.1	ug/L	10.0	05/21/24 13:46	
EPA 6010	Potassium	2030	ug/L	1000	05/21/24 13:46	
EPA 6010	Sodium	19200	ug/L	1000	05/21/24 13:46	
EPA 6020	Arsenic	1.4	ug/L	1.0	05/20/24 16:24	
EPA 903.1	Radium-226	0.633 ± 0.386 (0.455) C:NA T:88%	pCi/L		05/31/24 15:33	
EPA 904.0	Radium-228	0.648 ± 0.406 (0.754) C:74% T:84%	pCi/L		05/30/24 11:34	
Total Radium Calculation	Total Radium	1.28 ± 0.792 (1.21)	pCi/L		06/03/24 15:42	
SM 2320B	Alkalinity, Total as CaCO3	349	mg/L	10.0	05/16/24 20:24	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	349	mg/L	10.0	05/16/24 20:24	
SM 2540C	Total Dissolved Solids	414	mg/L	10.0	05/15/24 12:15	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/21/24 17:35	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372871009	**MW-15D MS**					
EPA 903.1	Radium-226	101.27 %REC ± NA (NA) C:NA T:NA	pCi/L		05/31/24 15:33	
EPA 904.0	Radium-228	57.94 %REC ± NA (NA) C:NA T:NA	pCi/L		05/30/24 11:32	1d
50372871010	**MW-15D MSD**					
EPA 903.1	Radium-226	91.43 %REC 10.21RPD ± NA (NA) C:NA T:NA	pCi/L		05/31/24 15:33	
EPA 904.0	Radium-228	74.25 %REC 24.67RPD ± NA (NA) C:NA T:NA	pCi/L		05/30/24 11:32	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6S **Lab ID: 50372871001** Collected: 05/10/24 10:50 Received: 05/10/24 16:45 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	**243**	mg/L	25.0	6.7	100		05/24/24 01:30	16887-00-6	
Fluoride	**1.9**	mg/L	0.10	0.017	1		05/24/24 00:57	16984-48-8	
Sulfate	**410**	mg/L	2.5	1.9	10		05/24/24 01:13	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**80.7**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:34	7440-39-3	
Boron	**4090**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:34	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:34	7440-43-9	
Calcium	**179000**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 13:34	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:34	7440-47-3	
Iron	**6170**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:34	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:34	7439-92-1	
Lithium	**48.0**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:34	7439-93-2	
Magnesium	**45900**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:34	7439-95-4	
Manganese	**1310**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:34	7439-96-5	
Molybdenum	**229**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:34	7439-98-7	
Potassium	**10000**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:34	7440-09-7	
Sodium	**178000**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 13:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**254**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 02:37	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	0.044	1	05/17/24 09:45	05/20/24 15:52	7440-36-0	
Arsenic	**14.0**	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 15:52	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/20/24 15:52	7440-41-7	
Cobalt	**2.1**	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 15:52	7440-48-4	
Selenium	**5.4**	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 15:52	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 15:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 09:53	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**417**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Bicarbonate (CaCO3)	**417**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/13/24 21:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6S **Lab ID: 50372871001** Collected: 05/10/24 10:50 Received: 05/10/24 16:45 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	**1350**	mg/L	20.0	20.0	1		05/15/24 11:37		
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		05/22/24 15:40		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.29**	mg/L	0.10	0.013	1		05/10/24 22:43	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		05/24/24 15:54		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6I **Lab ID: 50372871002** Collected: 05/10/24 14:10 Received: 05/10/24 16:45 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	**282**	mg/L	25.0	6.7	100		05/24/24 02:21	16887-00-6	
Fluoride	**0.45**	mg/L	0.10	0.017	1		05/24/24 01:47	16984-48-8	
Sulfate	**715**	mg/L	25.0	19.0	100		05/24/24 02:21	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**33.0**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:35	7440-39-3	
Boron	**2470**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:35	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:35	7440-43-9	
Calcium	**242000**	ug/L	2000	135	2	05/20/24 16:18	05/21/24 17:34	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:35	7440-47-3	
Iron	**4710**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:35	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:35	7439-92-1	
Lithium	**62.2**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:35	7439-93-2	
Magnesium	**85400**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:35	7439-95-4	
Manganese	**455**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:35	7439-96-5	
Molybdenum	**136**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:35	7439-98-7	
Potassium	**13100**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:35	7440-09-7	
Sodium	**221000**	ug/L	2000	110	2	05/20/24 16:18	05/21/24 17:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**145**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 02:38	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	0.044	1	05/17/24 09:45	05/20/24 15:55	7440-36-0	
Arsenic	**8.7**	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 15:55	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/20/24 15:55	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 15:55	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 15:55	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 15:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 09:56	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**343**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Bicarbonate (CaCO3)	**343**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/13/24 21:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6I **Lab ID: 50372871002** Collected: 05/10/24 14:10 Received: 05/10/24 16:45 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	**1820**	mg/L	20.0	20.0	1		05/15/24 11:37		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		05/21/24 17:32		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		05/10/24 23:46	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		05/24/24 16:20		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6D **Lab ID: 50372871003** Collected: 05/10/24 12:10 Received: 05/10/24 16:45 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	**231**	mg/L	25.0	6.7	100		05/24/24 04:02	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	0.017	1		05/24/24 03:28	16984-48-8	
Sulfate	**792**	mg/L	25.0	19.0	100		05/24/24 04:02	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**36.8**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:37	7440-39-3	
Boron	**10600**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:37	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:37	7440-43-9	
Calcium	**283000**	ug/L	2000	135	2	05/20/24 16:18	05/21/24 17:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:37	7440-47-3	
Iron	**5710**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:37	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:37	7439-92-1	
Lithium	**60.7**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:37	7439-93-2	
Magnesium	**47000**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:37	7439-95-4	
Manganese	**575**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:37	7439-96-5	
Molybdenum	**302**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:37	7439-98-7	
Potassium	**10700**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:37	7440-09-7	
Sodium	**169000**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 13:37	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**323**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 02:40	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	0.044	1	05/17/24 09:45	05/20/24 15:59	7440-36-0	
Arsenic	ND	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 15:59	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/20/24 15:59	7440-41-7	
Cobalt	**1.0**	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 15:59	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 15:59	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 15:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 09:58	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**202**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Bicarbonate (CaCO3)	**202**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/13/24 21:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6D **Lab ID: 50372871003** Collected: 05/10/24 12:10 Received: 05/10/24 16:45 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	**1730**	mg/L	20.0	20.0	1		05/15/24 11:37		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		05/21/24 17:32		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		05/10/24 23:41	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		05/24/24 16:45		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-11S **Lab ID: 50372871004** Collected: 05/10/24 14:27 Received: 05/10/24 16:45 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	**29.7**	mg/L	2.5	0.67	10		05/24/24 04:36	16887-00-6	
Fluoride	**1.7**	mg/L	0.10	0.017	1		05/24/24 04:19	16984-48-8	
Sulfate	**118**	mg/L	2.5	1.9	10		05/24/24 04:36	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**79.9**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:39	7440-39-3	
Boron	**819**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:39	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:39	7440-43-9	
Calcium	**55300**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 13:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:39	7440-47-3	
Iron	**110**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:39	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:39	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:39	7439-93-2	
Magnesium	**31400**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:39	7439-95-4	
Manganese	ND	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:39	7439-96-5	
Molybdenum	**67.4**	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:39	7439-98-7	
Potassium	**1820**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:39	7440-09-7	
Sodium	**20500**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 13:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**75.3**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 02:42	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	0.044	1	05/17/24 09:45	05/20/24 16:03	7440-36-0	
Arsenic	**1.7**	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 16:03	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/20/24 16:03	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 16:03	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 16:03	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 16:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 10:01	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**220**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Bicarbonate (CaCO3)	**202**	mg/L	10.0	10.0	1		05/13/24 21:06		
Alkalinity,Carbonate (CaCO3)	**18.0**	mg/L	10.0	10.0	1		05/13/24 21:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-11S **Lab ID: 50372871004** Collected: 05/10/24 14:27 Received: 05/10/24 16:45 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	**478**	mg/L	10.0	10.0	1		05/15/24 11:38		
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		05/21/24 17:32		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.16**	mg/L	0.10	0.013	1		05/10/24 23:28	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		05/23/24 23:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-11D **Lab ID: 50372871005** Collected: 05/10/24 13:10 Received: 05/10/24 16:45 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	**76.0**	mg/L	2.5	0.67	10		05/24/24 05:09	16887-00-6	
Fluoride	**0.51**	mg/L	0.10	0.017	1		05/24/24 04:52	16984-48-8	
Sulfate	**528**	mg/L	25.0	19.0	100		05/24/24 05:26	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**23.1**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:41	7440-39-3	
Boron	**9970**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:41	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:41	7440-43-9	
Calcium	**197000**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 13:41	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:41	7440-47-3	
Iron	**5040**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:41	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:41	7439-92-1	
Lithium	**126**	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:41	7439-93-2	
Magnesium	**46000**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:41	7439-95-4	
Manganese	**37.2**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:41	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:41	7439-98-7	
Potassium	**2960**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:41	7440-09-7	
Sodium	**67100**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 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	0.78	1	05/20/24 16:11	05/21/24 02:44	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	0.044	1	05/17/24 09:45	05/20/24 16:13	7440-36-0	
Arsenic	**15.1**	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 16:13	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/21/24 08:42	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 16:13	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 16:13	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 16:13	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 10:03	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**265**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**265**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/16/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-11D **Lab ID: 50372871005** Collected: 05/10/24 13:10 Received: 05/10/24 16:45 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	**1160**	mg/L	20.0	20.0	1		05/15/24 11:38		
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		05/21/24 17:33		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		05/10/24 23:20	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		05/23/24 23:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15S **Lab ID: 50372871006** Collected: 05/10/24 11:45 Received: 05/10/24 16:45 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	**22.8**	mg/L	2.5	0.67	10		05/24/24 06:00	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.017	1		05/24/24 05:43	16984-48-8	
Sulfate	**54.6**	mg/L	2.5	1.9	10		05/24/24 06:00	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**39.5**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:42	7440-39-3	
Boron	**105**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:42	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:42	7440-43-9	
Calcium	**90600**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 13:42	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:42	7440-47-3	
Iron	ND	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:42	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:42	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:42	7439-93-2	
Magnesium	**23300**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:42	7439-95-4	
Manganese	ND	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:42	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:42	7439-98-7	
Potassium	**1410**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:42	7440-09-7	
Sodium	**18600**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 13:42	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	0.78	1	05/20/24 16:11	05/21/24 02:45	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	0.044	1	05/17/24 09:45	05/20/24 16:17	7440-36-0	
Arsenic	ND	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 16:17	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/21/24 08:46	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 16:17	7440-48-4	
Selenium	**1.2**	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 16:17	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 16:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 10:05	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**274**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/16/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15S **Lab ID: 50372871006** Collected: 05/10/24 11:45 Received: 05/10/24 16:45 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	**433**	mg/L	10.0	10.0	1		05/15/24 11:38		
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		05/21/24 17:33		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**6.2**	mg/L	0.50	0.065	5		05/10/24 23:30	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**1.6**	mg/L	1.0	0.25	1		05/23/24 23:50		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15I **Lab ID: 50372871007** Collected: 05/10/24 12:55 Received: 05/10/24 16:45 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	**21.2**	mg/L	2.5	0.67	10		05/24/24 07:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		05/24/24 06:50	16984-48-8	
Sulfate	**46.9**	mg/L	2.5	1.9	10		05/24/24 07:07	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**68.0**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:44	7440-39-3	
Boron	**119**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:44	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:44	7440-43-9	
Calcium	**112000**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 13:44	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:44	7440-47-3	
Iron	ND	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:44	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:44	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:44	7439-93-2	
Magnesium	**29900**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:44	7439-95-4	
Manganese	**22.7**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:44	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:44	7439-98-7	
Potassium	**1540**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:44	7440-09-7	
Sodium	**13900**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 13:44	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	0.78	1	05/20/24 16:11	05/21/24 02:47	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	0.044	1	05/17/24 09:45	05/20/24 16:21	7440-36-0	
Arsenic	ND	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 16:21	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/21/24 08:50	7440-41-7	
Cobalt	**1.1**	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 16:21	7440-48-4	
Selenium	**3.3**	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 16:21	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 16:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 10:08	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**359**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**359**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/16/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15I **Lab ID: 50372871007** Collected: 05/10/24 12:55 Received: 05/10/24 16:45 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	**479**	mg/L	10.0	10.0	1		05/15/24 11:39		
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		05/21/24 17:34		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**3.3**	mg/L	0.10	0.013	1		05/10/24 23:15	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		05/24/24 00:15		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15D **Lab ID: 50372871008** Collected: 05/10/24 11:25 Received: 05/10/24 16:45 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	**20.4**	mg/L	0.25	0.067	1		05/24/24 07:24	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		05/24/24 07:24	16984-48-8	
Sulfate	**65.2**	mg/L	2.5	1.9	10		05/24/24 07:41	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**63.7**	ug/L	10.0	0.45	1	05/20/24 16:18	05/21/24 13:46	7440-39-3	
Boron	**149**	ug/L	100	6.2	1	05/20/24 16:18	05/21/24 13:46	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/20/24 16:18	05/21/24 13:46	7440-43-9	
Calcium	**101000**	ug/L	1000	67.7	1	05/20/24 16:18	05/21/24 13:46	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/20/24 16:18	05/21/24 13:46	7440-47-3	
Iron	**1420**	ug/L	100	30.0	1	05/20/24 16:18	05/21/24 13:46	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/20/24 16:18	05/21/24 13:46	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/20/24 16:18	05/21/24 13:46	7439-93-2	
Magnesium	**29900**	ug/L	1000	33.6	1	05/20/24 16:18	05/21/24 13:46	7439-95-4	
Manganese	**97.1**	ug/L	10.0	1.8	1	05/20/24 16:18	05/21/24 13:46	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/20/24 16:18	05/21/24 13:46	7439-98-7	
Potassium	**2030**	ug/L	1000	97.8	1	05/20/24 16:18	05/21/24 13:46	7440-09-7	
Sodium	**19200**	ug/L	1000	54.8	1	05/20/24 16:18	05/21/24 13:46	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	0.78	1	05/20/24 16:11	05/21/24 02:52	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	0.044	1	05/17/24 09:45	05/20/24 16:24	7440-36-0	
Arsenic	**1.4**	ug/L	1.0	0.064	1	05/17/24 09:45	05/20/24 16:24	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/17/24 09:45	05/21/24 08:08	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/17/24 09:45	05/20/24 16:24	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/17/24 09:45	05/20/24 16:24	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/17/24 09:45	05/20/24 16:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/22/24 18:05	05/23/24 10:10	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**349**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Bicarbonate (CaCO3)	**349**	mg/L	10.0	10.0	1		05/16/24 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/16/24 20:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15D **Lab ID: 50372871008** Collected: 05/10/24 11:25 Received: 05/10/24 16:45 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	**414**	mg/L	10.0	10.0	1		05/15/24 12:15		
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		05/21/24 17:35		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		05/10/24 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		05/24/24 17:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 791513
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

METHOD BLANK: 3621821 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/23/24 14:16	
Fluoride	mg/L	ND	0.10	0.017	05/23/24 14:16	
Sulfate	mg/L	ND	0.25	0.19	05/23/24 14:16	

LABORATORY CONTROL SAMPLE: 3621822

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	110	80-120	
Sulfate	mg/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3621823 3621824

Parameter	Units	50372871008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	20.4	2.5	2.5	23.0	23.0	103	106	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.2	1.2	112	111	80-120	0	15	
Sulfate	mg/L	65.2	50	50	119	118	107	106	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 791142 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

METHOD BLANK: 3620139 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	05/23/24 09:29	

LABORATORY CONTROL SAMPLE: 3620140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620141 3620142

Parameter	Units	50372871008 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	4.6	4.8	92	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 789981
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

METHOD BLANK: 3614587 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/21/24 13:30	
Boron	ug/L	ND	100	6.2	05/21/24 13:30	
Cadmium	ug/L	ND	2.0	0.60	05/21/24 13:30	
Calcium	ug/L	ND	1000	67.7	05/21/24 13:30	
Chromium	ug/L	ND	10.0	0.42	05/21/24 13:30	
Iron	ug/L	ND	100	30.0	05/21/24 13:30	
Lead	ug/L	ND	10.0	2.5	05/21/24 13:30	
Lithium	ug/L	ND	20.0	6.8	05/21/24 13:30	
Magnesium	ug/L	ND	1000	33.6	05/21/24 13:30	
Manganese	ug/L	ND	10.0	1.8	05/21/24 13:30	
Molybdenum	ug/L	ND	10.0	0.78	05/21/24 13:30	
Potassium	ug/L	ND	1000	97.8	05/21/24 13:30	
Sodium	ug/L	ND	1000	54.8	05/21/24 13:30	

LABORATORY CONTROL SAMPLE: 3614588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	927	93	80-120	
Boron	ug/L	1000	935	93	80-120	
Cadmium	ug/L	1000	921	92	80-120	
Calcium	ug/L	10000	9710	97	80-120	
Chromium	ug/L	1000	953	95	80-120	
Iron	ug/L	10000	9340	93	80-120	
Lead	ug/L	1000	913	91	80-120	
Lithium	ug/L	1000	932	93	80-120	
Magnesium	ug/L	10000	9200	92	80-120	
Manganese	ug/L	1000	940	94	80-120	
Molybdenum	ug/L	1000	972	97	80-120	
Potassium	ug/L	10000	9440	94	80-120	
Sodium	ug/L	10000	9130	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614589 3614590

Parameter	Units	50372871008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	63.7	1000	1000	1070	1050	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614589 3614590

Parameter	Units	50372871008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	ug/L	149	1000	1000	1130	1160	98	101	75-125	3	20	
Cadmium	ug/L	ND	1000	1000	966	990	97	99	75-125	2	20	
Calcium	ug/L	101000	10000	10000	112000	113000	111	123	75-125	1	20	
Chromium	ug/L	ND	1000	1000	981	1010	98	101	75-125	3	20	
Iron	ug/L	1420	10000	10000	11000	11300	95	99	75-125	3	20	
Lead	ug/L	ND	1000	1000	928	951	93	95	75-125	2	20	
Lithium	ug/L	ND	1000	1000	1010	1000	101	100	75-125	1	20	
Magnesium	ug/L	29900	10000	10000	39500	40200	96	103	75-125	2	20	
Manganese	ug/L	97.1	1000	1000	1060	1090	96	99	75-125	3	20	
Molybdenum	ug/L	ND	1000	1000	1020	1050	102	105	75-125	3	20	
Potassium	ug/L	2030	10000	10000	12400	12100	104	101	75-125	2	20	
Sodium	ug/L	19200	10000	10000	30100	29300	109	101	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614591 3614592

Parameter	Units	50372949001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	29.3	1000	1000	993	965	96	94	75-125	3	20	
Boron	ug/L	3970	1000	1000	4760	4760	79	79	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	981	953	98	95	75-125	3	20	
Calcium	ug/L	622000	10000	10000	594000	600000	-281	-222	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	974	948	97	95	75-125	3	20	
Iron	ug/L	ND	10000	10000	9420	9160	94	91	75-125	3	20	
Lead	ug/L	ND	1000	1000	903	877	90	88	75-125	3	20	
Lithium	ug/L	350	1000	1000	1320	1290	97	94	75-125	2	20	
Magnesium	ug/L	51600	10000	10000	58000	57600	64	61	75-125	1	20	P6
Manganese	ug/L	2550	1000	1000	3350	3320	81	77	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1030	998	102	99	75-125	3	20	
Potassium	ug/L	64900	10000	10000	72400	71400	75	65	75-125	1	20	P6
Sodium	ug/L	84100	10000	10000	89700	89100	56	50	75-125	1	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 789968
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

METHOD BLANK: 3614535 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	05/21/24 02:33	

LABORATORY CONTROL SAMPLE: 3614536

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: 3614537 3614538

Parameter	Units	50372871008 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	1020	1020	102	102	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614539 3614540

Parameter	Units	50372949001 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	10.1	1000	1000	1060	1090	105	108	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 790470
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

METHOD BLANK: 3617124 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.044	05/20/24 15:45	
Arsenic	ug/L	ND	1.0	0.064	05/20/24 15:45	
Beryllium	ug/L	ND	0.20	0.026	05/20/24 15:45	
Cobalt	ug/L	ND	1.0	0.024	05/20/24 15:45	
Selenium	ug/L	ND	1.0	0.23	05/20/24 15:45	
Thallium	ug/L	ND	1.0	0.042	05/20/24 15:45	

LABORATORY CONTROL SAMPLE: 3617125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.7	97	80-120	
Beryllium	ug/L	40	38.1	95	80-120	
Cobalt	ug/L	40	40.5	101	80-120	
Selenium	ug/L	40	39.7	99	80-120	
Thallium	ug/L	40	41.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3617126 3617127

Parameter	Units	50372871008 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	41.9	42.9	105	107	75-125	2	20	
Arsenic	ug/L	1.4	40	40	39.5	39.8	95	96	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.2	39.3	98	98	75-125	0	20	
Cobalt	ug/L	ND	40	40	37.8	38.4	94	95	75-125	2	20	
Selenium	ug/L	ND	40	40	38.3	39.3	96	98	75-125	3	20	
Thallium	ug/L	ND	40	40	41.7	42.3	104	106	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 789669
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004

METHOD BLANK: 3613225 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/13/24 21:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/13/24 21:06	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/13/24 21:06	

LABORATORY CONTROL SAMPLE: 3613226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	90-110	

SAMPLE DUPLICATE: 3613227

Parameter	Units	50372768003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	323	331	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	323	331	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3613228

Parameter	Units	50372872002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	391	397	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	391	397	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 790468 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871005, 50372871006, 50372871007, 50372871008

METHOD BLANK: 3617093 Matrix: Water
Associated Lab Samples: 50372871005, 50372871006, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/16/24 20:24	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/16/24 20:24	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/16/24 20:24	

LABORATORY CONTROL SAMPLE: 3617094

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.6	103	90-110	

SAMPLE DUPLICATE: 3617095

Parameter	Units	50372571004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	93.6	94.4	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	93.6	94.4	1	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3617096

Parameter	Units	50372871008 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	349	354	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	349	354	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 790007 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007

METHOD BLANK: 3614678 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/15/24 11:31	

LABORATORY CONTROL SAMPLE: 3614679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	298	99	80-120	

SAMPLE DUPLICATE: 3614680

Parameter	Units	50372867005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	668	684	2	10	

SAMPLE DUPLICATE: 3614681

Parameter	Units	50372871007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	479	468	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 790010
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871008

METHOD BLANK: 3614682 Matrix: Water
Associated Lab Samples: 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/15/24 12:15	

LABORATORY CONTROL SAMPLE: 3614683

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	275	92	80-120	

SAMPLE DUPLICATE: 3614684

Parameter	Units	50372871008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	414	415	0	10	

SAMPLE DUPLICATE: 3614685

Parameter	Units	50372949001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2640	2550	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 791157
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: 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

SAMPLE DUPLICATE: 3620207

Parameter	Units	50372871008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	2	H3

SAMPLE DUPLICATE: 3620208

Parameter	Units	50372949001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.9	2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 791389
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: 50372871001

SAMPLE DUPLICATE: 3621204

Parameter	Units	50373679001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.4	9.4	0	2	H3

SAMPLE DUPLICATE: 3621489

Parameter	Units	50373184003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 789370
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: 50372871006

METHOD BLANK: 3611761 Matrix: Water
Associated Lab Samples: 50372871006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/10/24 21:45	

LABORATORY CONTROL SAMPLE: 3611762

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: 3611763 3611764

Parameter	Units	50372764005 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	0.16	1	1	1.2	1.2	105	106	90-110	0	20	

MATRIX SPIKE SAMPLE: 3611765

Parameter	Units	50372871006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	6.2	5	11.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 789372 | 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: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871007, 50372871008

METHOD BLANK: 3611766 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/10/24 23:37	

LABORATORY CONTROL SAMPLE: 3611767

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: 3611768 3611769

Parameter	Units	50372871008 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	0	20	

MATRIX SPIKE SAMPLE: 3611770

Parameter	Units	50372871007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	3.3	1	3.9	59	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 791657 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

METHOD BLANK: 3622553 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/23/24 20:33	

LABORATORY CONTROL SAMPLE: 3622554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.2	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622555 3622556

Parameter	Units	50372871008 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	10.5	10.1	97	93	80-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622557 3622558

Parameter	Units	50372949001 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	2.3	10	10	11.6	11.4	93	91	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6S **Lab ID: 50372871001** Collected: 05/10/24 10:50 Received: 05/10/24 16:45 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	**0.182 ± 0.357 (0.653) C:NA T:88%**	pCi/L	05/31/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.787 ± 0.407 (0.710) C:84% T:78%**	pCi/L	05/30/24 11:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.969 ± 0.764 (1.36)**	pCi/L	06/03/24 15:42	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6I **Lab ID: 50372871002** Collected: 05/10/24 14:10 Received: 05/10/24 16:45 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	**0.556 ± 0.622 (1.02) C:NA T:91%**	pCi/L	05/31/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.946 ± 0.526 (0.973) C:79% T:80%**	pCi/L	05/30/24 11:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.50 ± 1.15 (1.99)**	pCi/L	06/03/24 15:42	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-6D **Lab ID: 50372871003** Collected: 05/10/24 12:10 Received: 05/10/24 16:45 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	**1.29 ± 0.742 (0.977) C:NA T:80%**	pCi/L	05/31/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.800 ± 0.459 (0.839) C:75% T:85%**	pCi/L	05/30/24 11:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.09 ± 1.20 (1.82)**	pCi/L	06/03/24 15:42	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-11S **Lab ID: 50372871004** Collected: 05/10/24 14:27 Received: 05/10/24 16:45 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	**0.330 ± 0.745 (1.33) C:NA T:87%**	pCi/L	05/31/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.476 ± 0.479 (0.999) C:82% T:79%**	pCi/L	05/30/24 11:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.806 ± 1.22 (2.33)**	pCi/L	06/03/24 15:42	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-11D **Lab ID: 50372871005** Collected: 05/10/24 13:10 Received: 05/10/24 16:45 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	**0.314 ± 0.563 (0.985) C:NA T:92%**	pCi/L	05/31/24 15:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.657 ± 0.433 (0.830) C:81% T:79%**	pCi/L	05/30/24 11:32	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.971 ± 0.996 (1.82)**	pCi/L	06/03/24 15:42	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15S **Lab ID: 50372871006** Collected: 05/10/24 11:45 Received: 05/10/24 16:45 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	**0.271 ± 0.593 (1.06) C:NA T:87%**	pCi/L	05/31/24 15:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.147 ± 0.285 (0.627) C:88% T:85%**	pCi/L	05/30/24 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.418 ± 0.878 (1.69)**	pCi/L	06/03/24 15:42	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15I **Lab ID: 50372871007** Collected: 05/10/24 12:55 Received: 05/10/24 16:45 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	**0.341 ± 0.317 (0.418) C:NA T:87%**	pCi/L	05/31/24 15:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.0595 ± 0.320 (0.773) C:67% T:83%**	pCi/L	05/30/24 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.341 ± 0.637 (1.19)**	pCi/L	06/03/24 15:42	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15D **Lab ID: 50372871008** Collected: 05/10/24 11:25 Received: 05/10/24 16:45 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	**0.633 ± 0.386 (0.455) C:NA T:88%**	pCi/L	05/31/24 15:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.648 ± 0.406 (0.754) C:74% T:84%**	pCi/L	05/30/24 11:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.28 ± 0.792 (1.21)**	pCi/L	06/03/24 15:42	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15D MS **Lab ID: 50372871009** Collected: 05/10/24 11:25 Received: 05/10/24 16:45 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	**101.27 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/31/24 15:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**57.94 %REC ± NA (NA) C:NA T:NA**	pCi/L	05/30/24 11:32	15262-20-1	1d

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Sample: MW-15D MSD **Lab ID: 50372871010** Collected: 05/10/24 11:25 Received: 05/10/24 16:45 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	**91.43 %REC 10.21RPD ± NA (NA) C:NA T:NA**	pCi/L	05/31/24 15:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**74.25 %REC 24.67RPD ± NA (NA) C:NA T:NA**	pCi/L	05/30/24 11:32	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 668753
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: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008, 50372871009, 50372871010

METHOD BLANK: 3256684 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008, 50372871009, 50372871010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.568 ± 0.369 (0.693) C:78% T:86%	pCi/L	05/30/24 11:30	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

QC Batch: 668751
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: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008, 50372871009, 50372871010

METHOD BLANK: 3256682 Matrix: Water
Associated Lab Samples: 50372871001, 50372871002, 50372871003, 50372871004, 50372871005, 50372871006, 50372871007, 50372871008, 50372871009, 50372871010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.183 ± 0.284 (0.492) C:NA T:86%	pCi/L	05/31/24 15:18	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

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

1d	Matrix spike recovery is low and outside of default acceptance criteria. Results reported based on acceptable RPD for the RQS set.
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.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372871001	**MW-6S**	EPA 9056	791513		
50372871002	**MW-6I**	EPA 9056	791513		
50372871003	**MW-6D**	EPA 9056	791513		
50372871004	**MW-11S**	EPA 9056	791513		
50372871005	**MW-11D**	EPA 9056	791513		
50372871006	**MW-15S**	EPA 9056	791513		
50372871007	**MW-15I**	EPA 9056	791513		
50372871008	**MW-15D**	EPA 9056	791513		
50372871001	**MW-6S**	EPA 3010	789981	EPA 6010	791166
50372871002	**MW-6I**	EPA 3010	789981	EPA 6010	791166
50372871003	**MW-6D**	EPA 3010	789981	EPA 6010	791166
50372871004	**MW-11S**	EPA 3010	789981	EPA 6010	791166
50372871005	**MW-11D**	EPA 3010	789981	EPA 6010	791166
50372871006	**MW-15S**	EPA 3010	789981	EPA 6010	791166
50372871007	**MW-15I**	EPA 3010	789981	EPA 6010	791166
50372871008	**MW-15D**	EPA 3010	789981	EPA 6010	791166
50372871001	**MW-6S**	EPA 3010	789968	EPA 6010	791028
50372871002	**MW-6I**	EPA 3010	789968	EPA 6010	791028
50372871003	**MW-6D**	EPA 3010	789968	EPA 6010	791028
50372871004	**MW-11S**	EPA 3010	789968	EPA 6010	791028
50372871005	**MW-11D**	EPA 3010	789968	EPA 6010	791028
50372871006	**MW-15S**	EPA 3010	789968	EPA 6010	791028
50372871007	**MW-15I**	EPA 3010	789968	EPA 6010	791028
50372871008	**MW-15D**	EPA 3010	789968	EPA 6010	791028
50372871001	**MW-6S**	EPA 200.2	790470	EPA 6020	790699
50372871002	**MW-6I**	EPA 200.2	790470	EPA 6020	790699
50372871003	**MW-6D**	EPA 200.2	790470	EPA 6020	790699
50372871004	**MW-11S**	EPA 200.2	790470	EPA 6020	790699
50372871005	**MW-11D**	EPA 200.2	790470	EPA 6020	790699
50372871006	**MW-15S**	EPA 200.2	790470	EPA 6020	790699
50372871007	**MW-15I**	EPA 200.2	790470	EPA 6020	790699
50372871008	**MW-15D**	EPA 200.2	790470	EPA 6020	790699
50372871001	**MW-6S**	EPA 7470	791142	EPA 7470	791577
50372871002	**MW-6I**	EPA 7470	791142	EPA 7470	791577
50372871003	**MW-6D**	EPA 7470	791142	EPA 7470	791577
50372871004	**MW-11S**	EPA 7470	791142	EPA 7470	791577
50372871005	**MW-11D**	EPA 7470	791142	EPA 7470	791577
50372871006	**MW-15S**	EPA 7470	791142	EPA 7470	791577
50372871007	**MW-15I**	EPA 7470	791142	EPA 7470	791577
50372871008	**MW-15D**	EPA 7470	791142	EPA 7470	791577
50372871001	**MW-6S**	EPA 903.1	668751		
50372871002	**MW-6I**	EPA 903.1	668751		
50372871003	**MW-6D**	EPA 903.1	668751		
50372871004	**MW-11S**	EPA 903.1	668751		
50372871005	**MW-11D**	EPA 903.1	668751		
50372871006	**MW-15S**	EPA 903.1	668751		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372871007	**MW-15I**	EPA 903.1	668751		
50372871008	**MW-15D**	EPA 903.1	668751		
50372871009	**MW-15D MS**	EPA 903.1	668751		
50372871010	**MW-15D MSD**	EPA 903.1	668751		
50372871001	**MW-6S**	EPA 904.0	668753		
50372871002	**MW-6I**	EPA 904.0	668753		
50372871003	**MW-6D**	EPA 904.0	668753		
50372871004	**MW-11S**	EPA 904.0	668753		
50372871005	**MW-11D**	EPA 904.0	668753		
50372871006	**MW-15S**	EPA 904.0	668753		
50372871007	**MW-15I**	EPA 904.0	668753		
50372871008	**MW-15D**	EPA 904.0	668753		
50372871009	**MW-15D MS**	EPA 904.0	668753		
50372871010	**MW-15D MSD**	EPA 904.0	668753		
50372871001	**MW-6S**	Total Radium Calculation	672832		
50372871002	**MW-6I**	Total Radium Calculation	672832		
50372871003	**MW-6D**	Total Radium Calculation	672832		
50372871004	**MW-11S**	Total Radium Calculation	672832		
50372871005	**MW-11D**	Total Radium Calculation	672832		
50372871006	**MW-15S**	Total Radium Calculation	672832		
50372871007	**MW-15I**	Total Radium Calculation	672832		
50372871008	**MW-15D**	Total Radium Calculation	672832		
50372871001	**MW-6S**	SM 2320B	789669		
50372871002	**MW-6I**	SM 2320B	789669		
50372871003	**MW-6D**	SM 2320B	789669		
50372871004	**MW-11S**	SM 2320B	789669		
50372871005	**MW-11D**	SM 2320B	790468		
50372871006	**MW-15S**	SM 2320B	790468		
50372871007	**MW-15I**	SM 2320B	790468		
50372871008	**MW-15D**	SM 2320B	790468		
50372871001	**MW-6S**	SM 2540C	790007		
50372871002	**MW-6I**	SM 2540C	790007		
50372871003	**MW-6D**	SM 2540C	790007		
50372871004	**MW-11S**	SM 2540C	790007		
50372871005	**MW-11D**	SM 2540C	790007		
50372871006	**MW-15S**	SM 2540C	790007		
50372871007	**MW-15I**	SM 2540C	790007		
50372871008	**MW-15D**	SM 2540C	790010		
50372871001	**MW-6S**	SM 4500-H+B	791389		
50372871002	**MW-6I**	SM 4500-H+B	791157		
50372871003	**MW-6D**	SM 4500-H+B	791157		
50372871004	**MW-11S**	SM 4500-H+B	791157		
50372871005	**MW-11D**	SM 4500-H+B	791157		
50372871006	**MW-15S**	SM 4500-H+B	791157		
50372871007	**MW-15I**	SM 4500-H+B	791157		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50372871

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372871008	**MW-15D**	SM 4500-H+B	791157		
50372871001	**MW-6S**	EPA 353.2	789372		
50372871002	**MW-6I**	EPA 353.2	789372		
50372871003	**MW-6D**	EPA 353.2	789372		
50372871004	**MW-11S**	EPA 353.2	789372		
50372871005	**MW-11D**	EPA 353.2	789372		
50372871006	**MW-15S**	EPA 353.2	789370		
50372871007	**MW-15I**	EPA 353.2	789372		
50372871008	**MW-15D**	EPA 353.2	789372		
50372871001	**MW-6S**	SM 5310C	791657		
50372871002	**MW-6I**	SM 5310C	791657		
50372871003	**MW-6D**	SM 5310C	791657		
50372871004	**MW-11S**	SM 5310C	791657		
50372871005	**MW-11D**	SM 5310C	791657		
50372871006	**MW-15S**	SM 5310C	791657		
50372871007	**MW-15I**	SM 5310C	791657		
50372871008	**MW-15D**	SM 5310C	791657		

Pace

CHAIN-OF-CUSTODY / Analytical Reque

WO# : 50372871

50372871

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://int

Section A	Section B	Section C	
Required Client Information:	**Required Project Information:**	**Invoice Information:**	
Company: Atlas	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	Regulatory Agency
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #: PIA1	**Pace Profile #: 10498-57**	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532					Residual Chlorine (Y/N)	
1	MW-6S	WT		5/10/24	1050				8	3	1	4							X	X	X	X	X	X	X	X					
2	MW-6I	WT			1410														X	X	X	X	X	X	X	X					
3	MW-6D	WT			1210														X	X	X	X	X	X	X	X					
4	MW-11S	WT			1427														X	X	X	X	X	X	X	X					
5	MW-11D	WT			1310														X	X	X	X	X	X	X	X					
6	MW-15S	WT			1145														X	X	X	X	X	X	X	X					
7	MW-15I	WT			1255														X	X	X	X	X	X	X	X					
8	MW-15D	WT			1125														X	X	X	X	X	X	X	X					
9	MS2	WT			1125														X	X	X	X	X	X	X	X					
10	MSD2	WT		5/10/24	1125				8	3	1	4							X	X	X	X	X	X	X	X					
11		WT																	X	X	X	X	X	X	X	X					
12																			X	X	X	X	X	X	X	X					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Keegan Lawhead/Atlas	5/10/24	1645	Matt	5/10/24	1645	1.9	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Keegan Lawhead						
SIGNATURE of SAMPLER: Keegan Lawhead	DATE Signed: 5/10/24					

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/10/24 1758 mw

1. **Courier:** ☐FED EX | UPS ☑CLIENT ☐PACE ☐NOW/JETT | OTHER _____
2. **Custody Seal on Cooler/Box Present:** | | Yes ☑ No
3. **(If yes)Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**
4. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D (E) F G H
5. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.9/1.9	3.6/3.6	2.9/2.9	

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
8. **EZ Bottle Order?** | Yes ☑ No

If yes but not on COC what is the EZ Bottle Order Number?:

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:			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 RED 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	2	1	1	1								SW	✓	✓		
2																																
3																																
4																																
5																																
6																																
7													↓			↓	↓	↓	↓	↓												
8													3			6	6	3	3	3							↓	↓	↓			
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 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,

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: Harding Street May 2024 P1R2
Pace Project No.: 50372994

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372994001	**MW-103S**	Water	05/13/24 13:25	05/13/24 15:40
50372994002	**MW-103I**	Water	05/13/24 12:10	05/13/24 15:40
50372994003	**MW-103D**	Water	05/13/24 11:00	05/13/24 15:40
50372994004	**MW-106S**	Water	05/13/24 11:27	05/13/24 15:40
50372994005	**MW-106I**	Water	05/13/24 12:58	05/13/24 15:40
50372994006	**MW-106D**	Water	05/13/24 14:08	05/13/24 15:40

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50372994001	**MW-103S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372994002	**MW-103I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372994003	**MW-103D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372994004	**MW-106S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372994005	**MW-106I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50372994006	**MW-106D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372994001	**MW-103S**					
EPA 9056	Chloride	71.7	mg/L	2.5	05/24/24 11:43	
EPA 9056	Fluoride	0.23	mg/L	0.10	05/24/24 11:25	
EPA 9056	Sulfate	367	mg/L	2.5	05/24/24 11:43	
EPA 6010	Barium	62.0	ug/L	10.0	05/21/24 14:48	
EPA 6010	Boron	848	ug/L	100	05/21/24 14:48	
EPA 6010	Calcium	263000	ug/L	2000	05/21/24 15:50	
EPA 6010	Iron	18100	ug/L	100	05/21/24 14:48	
EPA 6010	Magnesium	76700	ug/L	1000	05/21/24 14:48	
EPA 6010	Manganese	325	ug/L	10.0	05/21/24 14:48	
EPA 6010	Molybdenum	24.3	ug/L	10.0	05/21/24 14:48	
EPA 6010	Potassium	2000	ug/L	1000	05/21/24 14:48	
EPA 6010	Sodium	45300	ug/L	1000	05/21/24 14:48	
EPA 6010	Molybdenum, Dissolved	24.7	ug/L	10.0	05/21/24 03:15	
EPA 6020	Arsenic	24.7	ug/L	1.0	05/21/24 00:44	
EPA 6020	Cobalt	1.6	ug/L	1.0	05/21/24 00:44	
EPA 903.1	Radium-226	0.800 ± 0.659 (0.995) C:NA T:90%	pCi/L		06/05/24 15:25	
EPA 904.0	Radium-228	0.679 ± 0.369 (0.639) C:82% T:82%	pCi/L		06/03/24 12:42	
Total Radium Calculation	Total Radium	1.48 ± 1.03 (1.63)	pCi/L		06/06/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	661	mg/L	10.0	05/15/24 20:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	661	mg/L	10.0	05/15/24 20:48	
SM 2540C	Total Dissolved Solids	1270	mg/L	20.0	05/15/24 12:28	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	05/21/24 17:44	H3
SM 5310C	Dissolved Organic Carbon	5.1	mg/L	1.0	05/24/24 21:05	
50372994002	**MW-103I**					
EPA 9056	Chloride	207	mg/L	25.0	05/24/24 12:35	
EPA 9056	Fluoride	0.19	mg/L	0.10	05/24/24 12:00	
EPA 9056	Sulfate	32.2	mg/L	2.5	05/24/24 12:18	
EPA 6010	Barium	272	ug/L	10.0	05/21/24 14:50	
EPA 6010	Boron	385	ug/L	100	05/21/24 14:50	
EPA 6010	Calcium	105000	ug/L	1000	05/21/24 14:50	
EPA 6010	Iron	1670	ug/L	100	05/21/24 14:50	
EPA 6010	Magnesium	30200	ug/L	1000	05/21/24 14:50	
EPA 6010	Manganese	343	ug/L	10.0	05/21/24 14:50	
EPA 6010	Potassium	8300	ug/L	1000	05/21/24 14:50	
EPA 6010	Sodium	98400	ug/L	1000	05/21/24 14:50	
EPA 903.1	Radium-226	1.73 ± 0.773 (0.810) C:NA T:90%	pCi/L		06/05/24 15:25	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372994002	**MW-103I**					
EPA 904.0	Radium-228	1.23 ± 0.441 (0.642) C:87% T:90%	pCi/L		06/03/24 12:40	
Total Radium Calculation	Total Radium	2.96 ± 1.21 (1.45)	pCi/L		06/06/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	299	mg/L	10.0	05/15/24 20:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	299	mg/L	10.0	05/15/24 20:48	
SM 2540C	Total Dissolved Solids	710	mg/L	20.0	05/15/24 12:29	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/21/24 17:45	H3
50372994003	**MW-103D**					
EPA 9056	Chloride	225	mg/L	2.5	05/24/24 13:10	
EPA 9056	Fluoride	0.14	mg/L	0.10	05/24/24 12:52	
EPA 9056	Sulfate	16.5	mg/L	0.25	05/24/24 12:52	
EPA 6010	Barium	346	ug/L	10.0	05/21/24 14:51	
EPA 6010	Boron	359	ug/L	100	05/21/24 14:51	
EPA 6010	Calcium	90500	ug/L	1000	05/21/24 14:51	
EPA 6010	Iron	2140	ug/L	100	05/21/24 14:51	
EPA 6010	Magnesium	30500	ug/L	1000	05/21/24 14:51	
EPA 6010	Manganese	129	ug/L	10.0	05/21/24 14:51	
EPA 6010	Potassium	5380	ug/L	1000	05/21/24 14:51	
EPA 6010	Sodium	93600	ug/L	1000	05/21/24 14:51	
EPA 903.1	Radium-226	0.975 ± 0.558 (0.513) C:NA T:88%	pCi/L		06/05/24 15:25	
EPA 904.0	Radium-228	0.853 ± 0.391 (0.656) C:86% T:87%	pCi/L		06/03/24 12:40	
Total Radium Calculation	Total Radium	1.83 ± 0.949 (1.17)	pCi/L		06/06/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	279	mg/L	10.0	05/15/24 20:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	279	mg/L	10.0	05/15/24 20:48	
SM 2540C	Total Dissolved Solids	659	mg/L	10.0	05/15/24 12:29	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/21/24 17:46	H3
50372994004	**MW-106S**					
EPA 9056	Chloride	18.3	mg/L	0.25	05/24/24 17:15	
EPA 9056	Fluoride	0.45	mg/L	0.10	05/24/24 17:15	
EPA 9056	Sulfate	879	mg/L	25.0	05/24/24 17:50	
EPA 6010	Barium	18.9	ug/L	10.0	05/21/24 14:53	
EPA 6010	Boron	369	ug/L	100	05/21/24 14:53	
EPA 6010	Calcium	267000	ug/L	2000	05/21/24 15:52	
EPA 6010	Lithium	28.1	ug/L	20.0	05/21/24 14:53	
EPA 6010	Magnesium	105000	ug/L	1000	05/21/24 14:53	
EPA 6010	Manganese	1030	ug/L	10.0	05/21/24 14:53	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372994004	**MW-106S**					
EPA 6010	Molybdenum	14.7	ug/L	10.0	05/21/24 14:53	
EPA 6010	Potassium	6460	ug/L	1000	05/21/24 14:53	
EPA 6010	Sodium	19900	ug/L	1000	05/21/24 14:53	
EPA 6010	Molybdenum, Dissolved	15.7	ug/L	10.0	05/21/24 03:20	
EPA 6020	Cobalt	1.1	ug/L	1.0	05/21/24 01:02	
EPA 903.1	Radium-226	0.231 ± 0.424 (0.756) C:NA T:91%	pCi/L		06/05/24 15:25	
EPA 904.0	Radium-228	0.264 ± 0.332 (0.705) C:81% T:87%	pCi/L		06/03/24 13:15	
Total Radium Calculation	Total Radium	0.495 ± 0.756 (1.46)	pCi/L		06/06/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	194	mg/L	10.0	05/15/24 20:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	194	mg/L	10.0	05/15/24 20:48	
SM 2540C	Total Dissolved Solids	1510	mg/L	20.0	05/15/24 12:29	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/22/24 15:41	H3
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	05/24/24 22:04	
50372994005	**MW-106I**					
EPA 9056	Chloride	249	mg/L	25.0	05/24/24 19:17	
EPA 9056	Fluoride	0.40	mg/L	0.10	05/24/24 18:42	
EPA 9056	Sulfate	514	mg/L	25.0	05/24/24 19:17	
EPA 6010	Barium	60.4	ug/L	10.0	05/21/24 14:55	
EPA 6010	Boron	11100	ug/L	100	05/21/24 14:55	
EPA 6010	Calcium	226000	ug/L	2000	05/21/24 15:54	
EPA 6010	Iron	5230	ug/L	100	05/21/24 14:55	
EPA 6010	Lithium	81.3	ug/L	20.0	05/21/24 14:55	
EPA 6010	Magnesium	46500	ug/L	1000	05/21/24 14:55	
EPA 6010	Manganese	401	ug/L	10.0	05/21/24 14:55	
EPA 6010	Molybdenum	352	ug/L	10.0	05/21/24 14:55	
EPA 6010	Potassium	14500	ug/L	1000	05/21/24 14:55	
EPA 6010	Sodium	174000	ug/L	1000	05/21/24 14:55	
EPA 6010	Molybdenum, Dissolved	358	ug/L	10.0	05/21/24 03:22	
EPA 6020	Arsenic	110	ug/L	1.0	05/21/24 01:06	
EPA 903.1	Radium-226	0.0597 ± 0.630 (1.20) C:NA T:91%	pCi/L		06/05/24 15:25	
EPA 904.0	Radium-228	0.951 ± 0.407 (0.649) C:88% T:83%	pCi/L		06/03/24 12:42	
Total Radium Calculation	Total Radium	1.01 ± 1.04 (1.85)	pCi/L		06/06/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	254	mg/L	10.0	05/15/24 20:48	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50372994005	**MW-106I**					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	254	mg/L	10.0	05/15/24 20:48	
SM 2540C	Total Dissolved Solids	1440	mg/L	20.0	05/15/24 12:30	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	05/22/24 15:42	H3
50372994006	**MW-106D**					
EPA 9056	Chloride	227	mg/L	25.0	05/24/24 20:09	
EPA 9056	Fluoride	0.31	mg/L	0.10	05/24/24 19:34	
EPA 9056	Sulfate	587	mg/L	25.0	05/24/24 20:09	
EPA 6010	Barium	29.1	ug/L	10.0	05/21/24 14:57	
EPA 6010	Boron	12300	ug/L	100	05/21/24 14:57	
EPA 6010	Calcium	225000	ug/L	2000	05/21/24 15:56	
EPA 6010	Iron	3750	ug/L	100	05/21/24 14:57	
EPA 6010	Lithium	88.2	ug/L	20.0	05/21/24 14:57	
EPA 6010	Magnesium	49500	ug/L	1000	05/21/24 14:57	
EPA 6010	Manganese	327	ug/L	10.0	05/21/24 14:57	
EPA 6010	Molybdenum	249	ug/L	10.0	05/21/24 14:57	
EPA 6010	Potassium	12500	ug/L	1000	05/21/24 14:57	
EPA 6010	Sodium	177000	ug/L	1000	05/21/24 14:57	
EPA 6010	Molybdenum, Dissolved	260	ug/L	10.0	05/21/24 03:23	
EPA 6020	Arsenic	148	ug/L	1.0	05/21/24 01:09	
EPA 903.1	Radium-226	0.436 ± 0.637 (1.08) C:NA T:86%	pCi/L		06/05/24 15:25	
EPA 904.0	Radium-228	0.795 ± 0.377 (0.620) C:85% T:84%	pCi/L		06/03/24 12:42	
Total Radium Calculation	Total Radium	1.23 ± 1.01 (1.70)	pCi/L		06/06/24 16:14	
SM 2320B	Alkalinity, Total as CaCO3	253	mg/L	10.0	05/15/24 20:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	253	mg/L	10.0	05/15/24 20:48	
SM 2540C	Total Dissolved Solids	1450	mg/L	20.0	05/15/24 12:30	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/22/24 15:43	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103S **Lab ID: 50372994001** Collected: 05/13/24 13:25 Received: 05/13/24 15:40 Matrix: Water

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to one out of two of bottles of the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 IC Anions	Analytical Method: EPA 9056								
	Pace Analytical Services - Indianapolis								
Chloride	**71.7**	mg/L	2.5	0.67	10		05/24/24 11:43	16887-00-6	
Fluoride	**0.23**	mg/L	0.10	0.017	1		05/24/24 11:25	16984-48-8	
Sulfate	**367**	mg/L	2.5	1.9	10		05/24/24 11:43	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Barium	**62.0**	ug/L	10.0	1.6	1	05/20/24 21:57	05/21/24 14:48	7440-39-3	
Boron	**848**	ug/L	100	11.4	1	05/20/24 21:57	05/21/24 14:48	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 21:57	05/21/24 14:48	7440-43-9	
Calcium	**263000**	ug/L	2000	113	2	05/20/24 21:57	05/21/24 15:50	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 21:57	05/21/24 14:48	7440-47-3	
Iron	**18100**	ug/L	100	18.1	1	05/20/24 21:57	05/21/24 14:48	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 21:57	05/21/24 14:48	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/20/24 21:57	05/21/24 14:48	7439-93-2	
Magnesium	**76700**	ug/L	1000	32.8	1	05/20/24 21:57	05/21/24 14:48	7439-95-4	
Manganese	**325**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:48	7439-96-5	
Molybdenum	**24.3**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:48	7439-98-7	
Potassium	**2000**	ug/L	1000	120	1	05/20/24 21:57	05/21/24 14:48	7440-09-7	
Sodium	**45300**	ug/L	1000	48.2	1	05/20/24 21:57	05/21/24 14:48	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**24.7**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 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	0.49	1	05/18/24 07:50	05/21/24 00:44	7440-36-0	
Arsenic	**24.7**	ug/L	1.0	0.075	1	05/18/24 07:50	05/21/24 00:44	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/18/24 07:50	05/21/24 14:54	7440-41-7	
Cobalt	**1.6**	ug/L	1.0	0.046	1	05/18/24 07:50	05/21/24 00:44	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/18/24 07:50	05/21/24 00:44	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/18/24 07:50	05/21/24 00:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/23/24 09:55	05/23/24 19:24	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B								
	Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**661**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Bicarbonate (CaCO3)	**661**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/15/24 20:48		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103S **Lab ID: 50372994001** Collected: 05/13/24 13:25 Received: 05/13/24 15:40 Matrix: Water

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to one out of two of bottles of the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

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	**1270**	mg/L	20.0	20.0	1		05/15/24 12:28		
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		05/21/24 17:44		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		05/14/24 02:09	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**5.1**	mg/L	1.0	0.25	1		05/24/24 21:05		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103I **Lab ID: 50372994002** Collected: 05/13/24 12:10 Received: 05/13/24 15:40 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	**207**	mg/L	25.0	6.7	100		05/24/24 12:35	16887-00-6	
Fluoride	**0.19**	mg/L	0.10	0.017	1		05/24/24 12:00	16984-48-8	
Sulfate	**32.2**	mg/L	2.5	1.9	10		05/24/24 12:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**272**	ug/L	10.0	1.6	1	05/20/24 21:57	05/21/24 14:50	7440-39-3	
Boron	**385**	ug/L	100	11.4	1	05/20/24 21:57	05/21/24 14:50	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 21:57	05/21/24 14:50	7440-43-9	
Calcium	**105000**	ug/L	1000	56.7	1	05/20/24 21:57	05/21/24 14:50	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 21:57	05/21/24 14:50	7440-47-3	
Iron	**1670**	ug/L	100	18.1	1	05/20/24 21:57	05/21/24 14:50	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 21:57	05/21/24 14:50	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/20/24 21:57	05/21/24 14:50	7439-93-2	
Magnesium	**30200**	ug/L	1000	32.8	1	05/20/24 21:57	05/21/24 14:50	7439-95-4	
Manganese	**343**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:50	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:50	7439-98-7	
Potassium	**8300**	ug/L	1000	120	1	05/20/24 21:57	05/21/24 14:50	7440-09-7	
Sodium	**98400**	ug/L	1000	48.2	1	05/20/24 21:57	05/21/24 14:50	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	0.78	1	05/20/24 16:11	05/21/24 03:16	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	0.49	1	05/18/24 07:50	05/21/24 00:48	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	05/18/24 07:50	05/21/24 00:48	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/18/24 07:50	05/21/24 14:58	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/18/24 07:50	05/21/24 00:48	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/18/24 07:50	05/21/24 00:48	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/18/24 07:50	05/21/24 00:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/23/24 09:55	05/23/24 19:26	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		05/15/24 20:48		
Alkalinity,Bicarbonate (CaCO3)	**299**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/15/24 20:48		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103I **Lab ID: 50372994002** Collected: 05/13/24 12:10 Received: 05/13/24 15:40 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	**710**	mg/L	20.0	20.0	1		05/15/24 12:29		
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		05/21/24 17:45		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		05/14/24 01:56	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		05/24/24 21:25		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103D **Lab ID: 50372994003** Collected: 05/13/24 11:00 Received: 05/13/24 15:40 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	**225**	mg/L	2.5	0.67	10		05/24/24 13:10	16887-00-6	
Fluoride	**0.14**	mg/L	0.10	0.017	1		05/24/24 12:52	16984-48-8	
Sulfate	**16.5**	mg/L	0.25	0.19	1		05/24/24 12:52	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**346**	ug/L	10.0	1.6	1	05/20/24 21:57	05/21/24 14:51	7440-39-3	
Boron	**359**	ug/L	100	11.4	1	05/20/24 21:57	05/21/24 14:51	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 21:57	05/21/24 14:51	7440-43-9	
Calcium	**90500**	ug/L	1000	56.7	1	05/20/24 21:57	05/21/24 14:51	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 21:57	05/21/24 14:51	7440-47-3	
Iron	**2140**	ug/L	100	18.1	1	05/20/24 21:57	05/21/24 14:51	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 21:57	05/21/24 14:51	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/20/24 21:57	05/21/24 14:51	7439-93-2	
Magnesium	**30500**	ug/L	1000	32.8	1	05/20/24 21:57	05/21/24 14:51	7439-95-4	
Manganese	**129**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:51	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:51	7439-98-7	
Potassium	**5380**	ug/L	1000	120	1	05/20/24 21:57	05/21/24 14:51	7440-09-7	
Sodium	**93600**	ug/L	1000	48.2	1	05/20/24 21:57	05/21/24 14:51	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	0.78	1	05/20/24 16:11	05/21/24 03:18	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	0.49	1	05/18/24 07:50	05/21/24 00:51	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	05/18/24 07:50	05/21/24 00:51	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/18/24 07:50	05/21/24 15:01	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/18/24 07:50	05/21/24 00:51	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/18/24 07:50	05/21/24 00:51	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/18/24 07:50	05/21/24 00:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/23/24 09:55	05/23/24 20:08	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		05/15/24 20:48		
Alkalinity,Bicarbonate (CaCO3)	**279**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/15/24 20:48		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103D **Lab ID: 50372994003** Collected: 05/13/24 11:00 Received: 05/13/24 15:40 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	**659**	mg/L	10.0	10.0	1		05/15/24 12:29		
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		05/21/24 17:46		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		05/14/24 01:51	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		05/24/24 21:44		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106S **Lab ID: 50372994004** Collected: 05/13/24 11:27 Received: 05/13/24 15:40 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	**18.3**	mg/L	0.25	0.067	1		05/24/24 17:15	16887-00-6	
Fluoride	**0.45**	mg/L	0.10	0.017	1		05/24/24 17:15	16984-48-8	
Sulfate	**879**	mg/L	25.0	19.0	100		05/24/24 17:50	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**18.9**	ug/L	10.0	1.6	1	05/20/24 21:57	05/21/24 14:53	7440-39-3	
Boron	**369**	ug/L	100	11.4	1	05/20/24 21:57	05/21/24 14:53	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 21:57	05/21/24 14:53	7440-43-9	
Calcium	**267000**	ug/L	2000	113	2	05/20/24 21:57	05/21/24 15:52	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 21:57	05/21/24 14:53	7440-47-3	
Iron	ND	ug/L	100	18.1	1	05/20/24 21:57	05/21/24 14:53	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 21:57	05/21/24 14:53	7439-92-1	
Lithium	**28.1**	ug/L	20.0	5.1	1	05/20/24 21:57	05/21/24 14:53	7439-93-2	
Magnesium	**105000**	ug/L	1000	32.8	1	05/20/24 21:57	05/21/24 14:53	7439-95-4	
Manganese	**1030**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:53	7439-96-5	
Molybdenum	**14.7**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:53	7439-98-7	
Potassium	**6460**	ug/L	1000	120	1	05/20/24 21:57	05/21/24 14:53	7440-09-7	
Sodium	**19900**	ug/L	1000	48.2	1	05/20/24 21:57	05/21/24 14:53	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**15.7**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 03:20	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	0.49	1	05/18/24 07:50	05/21/24 01:02	7440-36-0	
Arsenic	ND	ug/L	1.0	0.075	1	05/18/24 07:50	05/21/24 01:02	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/18/24 07:50	05/21/24 15:12	7440-41-7	
Cobalt	**1.1**	ug/L	1.0	0.046	1	05/18/24 07:50	05/21/24 01:02	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/18/24 07:50	05/21/24 01:02	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/18/24 07:50	05/21/24 01:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/23/24 09:55	05/23/24 20:11	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**194**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Bicarbonate (CaCO3)	**194**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/15/24 20:48		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106S **Lab ID: 50372994004** Collected: 05/13/24 11:27 Received: 05/13/24 15:40 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	**1510**	mg/L	20.0	20.0	1		05/15/24 12:29		
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		05/22/24 15:41		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		05/14/24 01:53	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**2.0**	mg/L	1.0	0.25	1		05/24/24 22:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106I **Lab ID: 50372994005** Collected: 05/13/24 12:58 Received: 05/13/24 15:40 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	**249**	mg/L	25.0	6.7	100		05/24/24 19:17	16887-00-6	
Fluoride	**0.40**	mg/L	0.10	0.017	1		05/24/24 18:42	16984-48-8	
Sulfate	**514**	mg/L	25.0	19.0	100		05/24/24 19:17	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**60.4**	ug/L	10.0	1.6	1	05/20/24 21:57	05/21/24 14:55	7440-39-3	
Boron	**11100**	ug/L	100	11.4	1	05/20/24 21:57	05/21/24 14:55	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 21:57	05/21/24 14:55	7440-43-9	
Calcium	**226000**	ug/L	2000	113	2	05/20/24 21:57	05/21/24 15:54	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 21:57	05/21/24 14:55	7440-47-3	
Iron	**5230**	ug/L	100	18.1	1	05/20/24 21:57	05/21/24 14:55	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 21:57	05/21/24 14:55	7439-92-1	
Lithium	**81.3**	ug/L	20.0	5.1	1	05/20/24 21:57	05/21/24 14:55	7439-93-2	
Magnesium	**46500**	ug/L	1000	32.8	1	05/20/24 21:57	05/21/24 14:55	7439-95-4	
Manganese	**401**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:55	7439-96-5	
Molybdenum	**352**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:55	7439-98-7	
Potassium	**14500**	ug/L	1000	120	1	05/20/24 21:57	05/21/24 14:55	7440-09-7	
Sodium	**174000**	ug/L	1000	48.2	1	05/20/24 21:57	05/21/24 14:55	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**358**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 03:22	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	0.49	1	05/18/24 07:50	05/21/24 01:06	7440-36-0	
Arsenic	**110**	ug/L	1.0	0.075	1	05/18/24 07:50	05/21/24 01:06	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/18/24 07:50	05/21/24 15:16	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/18/24 07:50	05/21/24 01:06	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/18/24 07:50	05/21/24 01:06	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/18/24 07:50	05/21/24 01:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/23/24 09:55	05/23/24 20:13	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		05/15/24 20:48		
Alkalinity,Bicarbonate (CaCO3)	**254**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/15/24 20:48		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106I **Lab ID: 50372994005** Collected: 05/13/24 12:58 Received: 05/13/24 15:40 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	**1440**	mg/L	20.0	20.0	1		05/15/24 12:30		
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		05/22/24 15:42		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		05/14/24 02:04	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		05/24/24 22:23		D3

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106D **Lab ID: 50372994006** Collected: 05/13/24 14:08 Received: 05/13/24 15:40 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	**227**	mg/L	25.0	6.7	100		05/24/24 20:09	16887-00-6	
Fluoride	**0.31**	mg/L	0.10	0.017	1		05/24/24 19:34	16984-48-8	
Sulfate	**587**	mg/L	25.0	19.0	100		05/24/24 20:09	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**29.1**	ug/L	10.0	1.6	1	05/20/24 21:57	05/21/24 14:57	7440-39-3	
Boron	**12300**	ug/L	100	11.4	1	05/20/24 21:57	05/21/24 14:57	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 21:57	05/21/24 14:57	7440-43-9	
Calcium	**225000**	ug/L	2000	113	2	05/20/24 21:57	05/21/24 15:56	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 21:57	05/21/24 14:57	7440-47-3	
Iron	**3750**	ug/L	100	18.1	1	05/20/24 21:57	05/21/24 14:57	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 21:57	05/21/24 14:57	7439-92-1	
Lithium	**88.2**	ug/L	20.0	5.1	1	05/20/24 21:57	05/21/24 14:57	7439-93-2	
Magnesium	**49500**	ug/L	1000	32.8	1	05/20/24 21:57	05/21/24 14:57	7439-95-4	
Manganese	**327**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:57	7439-96-5	
Molybdenum	**249**	ug/L	10.0	1.1	1	05/20/24 21:57	05/21/24 14:57	7439-98-7	
Potassium	**12500**	ug/L	1000	120	1	05/20/24 21:57	05/21/24 14:57	7440-09-7	
Sodium	**177000**	ug/L	1000	48.2	1	05/20/24 21:57	05/21/24 14:57	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**260**	ug/L	10.0	0.78	1	05/20/24 16:11	05/21/24 03:23	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	0.49	1	05/18/24 07:50	05/21/24 01:09	7440-36-0	
Arsenic	**148**	ug/L	1.0	0.075	1	05/18/24 07:50	05/21/24 01:09	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/18/24 07:50	05/21/24 15:19	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/18/24 07:50	05/21/24 01:09	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/18/24 07:50	05/21/24 01:09	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/18/24 07:50	05/21/24 01:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/23/24 09:55	05/23/24 20:16	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		05/15/24 20:48		
Alkalinity,Bicarbonate (CaCO3)	**253**	mg/L	10.0	10.0	1		05/15/24 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/15/24 20:48		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106D **Lab ID: 50372994006** Collected: 05/13/24 14:08 Received: 05/13/24 15:40 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	**1450**	mg/L	20.0	20.0	1		05/15/24 12:30		
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		05/22/24 15:43		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		05/14/24 02:11	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		05/24/24 22:43		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 791633
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3622398 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/23/24 17:43	
Fluoride	mg/L	ND	0.10	0.017	05/23/24 17:43	
Sulfate	mg/L	ND	0.25	0.19	05/23/24 17:43	

LABORATORY CONTROL SAMPLE: 3622399

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	101	80-120	
Sulfate	mg/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622602 3622603

Parameter	Units	50372994002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	207	250	250	442	432	94	90	80-120	2	15	
Fluoride	mg/L	0.19	1	1	1.3	1.1	115	96	80-120	15	15	
Sulfate	mg/L	32.2	50	50	71.1	71.2	78	78	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 791144 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3620147 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/23/24 18:42	

LABORATORY CONTROL SAMPLE: 3620148

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: 3620149 3620150

Parameter	Units	50372949001 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	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 789982
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3614593 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	1.6	05/21/24 14:26	
Boron	ug/L	ND	100	11.4	05/21/24 14:26	
Cadmium	ug/L	ND	2.0	0.74	05/21/24 14:26	
Calcium	ug/L	ND	1000	56.7	05/21/24 14:26	
Chromium	ug/L	ND	10.0	1.4	05/21/24 14:26	
Iron	ug/L	ND	100	18.1	05/21/24 14:26	
Lead	ug/L	ND	10.0	4.0	05/21/24 14:26	
Lithium	ug/L	ND	20.0	5.1	05/21/24 14:26	
Magnesium	ug/L	ND	1000	32.8	05/21/24 14:26	
Manganese	ug/L	ND	10.0	1.1	05/21/24 14:26	
Molybdenum	ug/L	ND	10.0	1.1	05/21/24 14:26	
Potassium	ug/L	ND	1000	120	05/21/24 14:26	
Sodium	ug/L	ND	1000	48.2	05/21/24 14:26	

LABORATORY CONTROL SAMPLE: 3614594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	971	97	80-120	
Boron	ug/L	1000	941	94	80-120	
Cadmium	ug/L	1000	937	94	80-120	
Calcium	ug/L	10000	10100	101	80-120	
Chromium	ug/L	1000	963	96	80-120	
Iron	ug/L	10000	9580	96	80-120	
Lead	ug/L	1000	936	94	80-120	
Lithium	ug/L	1000	978	98	80-120	
Magnesium	ug/L	10000	9610	96	80-120	
Manganese	ug/L	1000	986	99	80-120	
Molybdenum	ug/L	1000	982	98	80-120	
Potassium	ug/L	10000	9550	95	80-120	
Sodium	ug/L	10000	9640	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614595 3614596

Parameter	Units	50372953001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	29.7	1000	1000	1030	978	100	95	75-125	6	20	
Boron	ug/L	3940	1000	1000	4830	4750	89	81	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614595 3614596

Parameter	Units	50372953001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	ND	1000	1000	978	941	98	94	75-125	4	20	
Calcium	ug/L	574000	10000	10000	595000	563000	206	-110	75-125	5	20	P6
Chromium	ug/L	ND	1000	1000	986	937	99	94	75-125	5	20	
Iron	ug/L	ND	10000	10000	9510	9140	95	91	75-125	4	20	
Lead	ug/L	ND	1000	1000	904	867	90	87	75-125	4	20	
Lithium	ug/L	366	1000	1000	1380	1310	101	94	75-125	5	20	
Magnesium	ug/L	51900	10000	10000	60300	58200	84	63	75-125	4	20	P6
Manganese	ug/L	2650	1000	1000	3610	3450	96	80	75-125	5	20	
Molybdenum	ug/L	ND	1000	1000	1050	990	104	98	75-125	6	20	
Potassium	ug/L	64900	10000	10000	74600	70800	96	59	75-125	5	20	P6
Sodium	ug/L	87000	10000	10000	96100	91400	91	44	75-125	5	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 789968
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3614535 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	05/21/24 02:33	

LABORATORY CONTROL SAMPLE: 3614536

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: 3614537 3614538

Parameter	Units	50372871008 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	1020	1020	102	102	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3614539 3614540

Parameter	Units	50372949001 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	10.1	1000	1000	1060	1090	105	108	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 790604
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3617815 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	05/20/24 23:38	
Arsenic	ug/L	ND	1.0	0.075	05/20/24 23:38	
Beryllium	ug/L	ND	0.20	0.035	05/21/24 13:41	
Cobalt	ug/L	ND	1.0	0.046	05/20/24 23:38	
Selenium	ug/L	ND	1.0	0.20	05/20/24 23:38	
Thallium	ug/L	ND	1.0	0.040	05/20/24 23:38	

LABORATORY CONTROL SAMPLE: 3617816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.9	97	80-120	
Beryllium	ug/L	40	39.5	99	80-120	
Cobalt	ug/L	40	41.5	104	80-120	
Selenium	ug/L	40	39.7	99	80-120	
Thallium	ug/L	40	41.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3617817 3617818

Parameter	Units	50372571004 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	41.6	41.5	104	104	75-125	0	20	
Arsenic	ug/L	0.0047 mg/L	40	40	43.1	42.6	96	95	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.5	38.8	99	97	75-125	2	20	
Cobalt	ug/L	ND	40	40	38.8	38.0	96	94	75-125	2	20	
Selenium	ug/L	ND	40	40	41.5	41.4	103	103	75-125	0	20	
Thallium	ug/L	ND	40	40	41.9	41.7	105	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 790209
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3615522 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/15/24 20:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/15/24 20:48	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/15/24 20:48	

LABORATORY CONTROL SAMPLE: 3615523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	90-110	

SAMPLE DUPLICATE: 3615524

Parameter	Units	50372949001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	429	436	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	429	436	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3615525

Parameter	Units	50372994001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	661	672	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	661	672	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 790012 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3614686 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/15/24 12:26	

LABORATORY CONTROL SAMPLE: 3614687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	280	93	80-120	

SAMPLE DUPLICATE: 3614688

Parameter	Units	50372949003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2080	2040	2	10	

SAMPLE DUPLICATE: 3614689

Parameter	Units	50372995007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2150	2110	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 791157
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: 50372994001, 50372994002, 50372994003

SAMPLE DUPLICATE: 3620207

Parameter	Units	50372871008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	2	H3

SAMPLE DUPLICATE: 3620208

Parameter	Units	50372949001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.9	2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 791389
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: 50372994004, 50372994005, 50372994006

SAMPLE DUPLICATE: 3621204

Parameter	Units	50373679001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.4	9.4	0	2	H3

SAMPLE DUPLICATE: 3621489

Parameter	Units	50373184003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 789705 | 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: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3613402 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/14/24 01:25	

LABORATORY CONTROL SAMPLE: 3613403

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: 3613404 3613405

Parameter	Units	50372949001 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	

MATRIX SPIKE SAMPLE: 3613406

Parameter	Units	50372949003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 791657 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3622553 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/23/24 20:33	

LABORATORY CONTROL SAMPLE: 3622554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	10	9.2	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622555 3622556

Parameter	Units	50372871008 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	10.5	10.1	97	93	80-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622557 3622558

Parameter	Units	50372949001 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	2.3	10	10	11.6	11.4	93	91	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103S **Lab ID: 50372994001** Collected: 05/13/24 13:25 Received: 05/13/24 15:40 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to one out of two of bottles of the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.800 ± 0.659 (0.995) C:NA T:90%**	pCi/L	06/05/24 15:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.679 ± 0.369 (0.639) C:82% T:82%**	pCi/L	06/03/24 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.48 ± 1.03 (1.63)**	pCi/L	06/06/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103I **Lab ID: 50372994002** Collected: 05/13/24 12:10 Received: 05/13/24 15:40 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	**1.73 ± 0.773 (0.810) C:NA T:90%**	pCi/L	06/05/24 15:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.23 ± 0.441 (0.642) C:87% T:90%**	pCi/L	06/03/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.96 ± 1.21 (1.45)**	pCi/L	06/06/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-103D **Lab ID: 50372994003** Collected: 05/13/24 11:00 Received: 05/13/24 15:40 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	**0.975 ± 0.558 (0.513) C:NA T:88%**	pCi/L	06/05/24 15:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.853 ± 0.391 (0.656) C:86% T:87%**	pCi/L	06/03/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.83 ± 0.949 (1.17)**	pCi/L	06/06/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106S **Lab ID: 50372994004** Collected: 05/13/24 11:27 Received: 05/13/24 15:40 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	**0.231 ± 0.424 (0.756) C:NA T:91%**	pCi/L	06/05/24 15:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.264 ± 0.332 (0.705) C:81% T:87%**	pCi/L	06/03/24 13:15	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.495 ± 0.756 (1.46)**	pCi/L	06/06/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106I **Lab ID: 50372994005** Collected: 05/13/24 12:58 Received: 05/13/24 15:40 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	**0.0597 ± 0.630 (1.20) C:NA T:91%**	pCi/L	06/05/24 15:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.951 ± 0.407 (0.649) C:88% T:83%**	pCi/L	06/03/24 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.01 ± 1.04 (1.85)**	pCi/L	06/06/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Sample: MW-106D **Lab ID: 50372994006** Collected: 05/13/24 14:08 Received: 05/13/24 15:40 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	**0.436 ± 0.637 (1.08) C:NA T:86%**	pCi/L	06/05/24 15:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.795 ± 0.377 (0.620) C:85% T:84%**	pCi/L	06/03/24 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.23 ± 1.01 (1.70)**	pCi/L	06/06/24 16:14	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 669134 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: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3258488 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.191 ± 0.231 (0.352) C:NA T:90%	pCi/L	06/05/24 15:25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

QC Batch: 669135
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: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

METHOD BLANK: 3258489 Matrix: Water
Associated Lab Samples: 50372994001, 50372994002, 50372994003, 50372994004, 50372994005, 50372994006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.224 ± 0.290 (0.618) C:95% T:87%	pCi/L	06/03/24 12:40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372994001	**MW-103S**	EPA 9056	791633		
50372994002	**MW-103I**	EPA 9056	791633		
50372994003	**MW-103D**	EPA 9056	791633		
50372994004	**MW-106S**	EPA 9056	791633		
50372994005	**MW-106I**	EPA 9056	791633		
50372994006	**MW-106D**	EPA 9056	791633		
50372994001	**MW-103S**	EPA 3010	789982	EPA 6010	791135
50372994002	**MW-103I**	EPA 3010	789982	EPA 6010	791135
50372994003	**MW-103D**	EPA 3010	789982	EPA 6010	791135
50372994004	**MW-106S**	EPA 3010	789982	EPA 6010	791135
50372994005	**MW-106I**	EPA 3010	789982	EPA 6010	791135
50372994006	**MW-106D**	EPA 3010	789982	EPA 6010	791135
50372994001	**MW-103S**	EPA 3010	789968	EPA 6010	791028
50372994002	**MW-103I**	EPA 3010	789968	EPA 6010	791028
50372994003	**MW-103D**	EPA 3010	789968	EPA 6010	791028
50372994004	**MW-106S**	EPA 3010	789968	EPA 6010	791028
50372994005	**MW-106I**	EPA 3010	789968	EPA 6010	791028
50372994006	**MW-106D**	EPA 3010	789968	EPA 6010	791028
50372994001	**MW-103S**	EPA 200.2	790604	EPA 6020	790771
50372994002	**MW-103I**	EPA 200.2	790604	EPA 6020	790771
50372994003	**MW-103D**	EPA 200.2	790604	EPA 6020	790771
50372994004	**MW-106S**	EPA 200.2	790604	EPA 6020	790771
50372994005	**MW-106I**	EPA 200.2	790604	EPA 6020	790771
50372994006	**MW-106D**	EPA 200.2	790604	EPA 6020	790771
50372994001	**MW-103S**	EPA 7470	791144	EPA 7470	791745
50372994002	**MW-103I**	EPA 7470	791144	EPA 7470	791745
50372994003	**MW-103D**	EPA 7470	791144	EPA 7470	791745
50372994004	**MW-106S**	EPA 7470	791144	EPA 7470	791745
50372994005	**MW-106I**	EPA 7470	791144	EPA 7470	791745
50372994006	**MW-106D**	EPA 7470	791144	EPA 7470	791745
50372994001	**MW-103S**	EPA 903.1	669134		
50372994002	**MW-103I**	EPA 903.1	669134		
50372994003	**MW-103D**	EPA 903.1	669134		
50372994004	**MW-106S**	EPA 903.1	669134		
50372994005	**MW-106I**	EPA 903.1	669134		
50372994006	**MW-106D**	EPA 903.1	669134		
50372994001	**MW-103S**	EPA 904.0	669135		
50372994002	**MW-103I**	EPA 904.0	669135		
50372994003	**MW-103D**	EPA 904.0	669135		
50372994004	**MW-106S**	EPA 904.0	669135		
50372994005	**MW-106I**	EPA 904.0	669135		
50372994006	**MW-106D**	EPA 904.0	669135		
50372994001	**MW-103S**	Total Radium Calculation	673883		
50372994002	**MW-103I**	Total Radium Calculation	673883		
50372994003	**MW-103D**	Total Radium Calculation	673883		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50372994

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372994004	**MW-106S**	Total Radium Calculation	673883		
50372994005	**MW-106I**	Total Radium Calculation	673883		
50372994006	**MW-106D**	Total Radium Calculation	673883		
50372994001	**MW-103S**	SM 2320B	790209		
50372994002	**MW-103I**	SM 2320B	790209		
50372994003	**MW-103D**	SM 2320B	790209		
50372994004	**MW-106S**	SM 2320B	790209		
50372994005	**MW-106I**	SM 2320B	790209		
50372994006	**MW-106D**	SM 2320B	790209		
50372994001	**MW-103S**	SM 2540C	790012		
50372994002	**MW-103I**	SM 2540C	790012		
50372994003	**MW-103D**	SM 2540C	790012		
50372994004	**MW-106S**	SM 2540C	790012		
50372994005	**MW-106I**	SM 2540C	790012		
50372994006	**MW-106D**	SM 2540C	790012		
50372994001	**MW-103S**	SM 4500-H+B	791157		
50372994002	**MW-103I**	SM 4500-H+B	791157		
50372994003	**MW-103D**	SM 4500-H+B	791157		
50372994004	**MW-106S**	SM 4500-H+B	791389		
50372994005	**MW-106I**	SM 4500-H+B	791389		
50372994006	**MW-106D**	SM 4500-H+B	791389		
50372994001	**MW-103S**	EPA 353.2	789705		
50372994002	**MW-103I**	EPA 353.2	789705		
50372994003	**MW-103D**	EPA 353.2	789705		
50372994004	**MW-106S**	EPA 353.2	789705		
50372994005	**MW-106I**	EPA 353.2	789705		
50372994006	**MW-106D**	EPA 353.2	789705		
50372994001	**MW-103S**	SM 5310C	791657		
50372994002	**MW-103I**	SM 5310C	791657		
50372994003	**MW-103D**	SM 5310C	791657		
50372994004	**MW-106S**	SM 5310C	791657		
50372994005	**MW-106I**	SM 5310C	791657		
50372994006	**MW-106D**	SM 5310C	791657		

Pace

CHAIN-OF-CUSTODY / Analytical Request Docu

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be co

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.c

WO# : 50372994

50372994

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: Atlas	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	Regulatory Agency
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #: P182	Pace Profile #: 10498-57	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-103S	WT		5/13/24	1325				6	3	1	4							X	X	X	X	X	X	X	X		001
2	MW-103I	WT			1210														X	X	X	X	X	X	X	X		002
3	MW-103D	WT			1100														X	X	X	X	X	X	X	X		003
4	MW-106S	WT			1127														X	X	X	X	X	X	X	X		004
5	MW-106I	WT			1258														X	X	X	X	X	X	X	X		005
6	MW-106D	WT		5/13/24	1405				6	3	1	4							X	X	X	X	X	X	X	X		006
7		WT																	X	X	X	X	X	X	X	X		
8		WT																	X	X	X	X	X	X	X	X		
9		WT																	X	X	X	X	X	X	X	X		
10		WT																	X	X	X	X	X	X	X	X		
11		WT																	X	X	X	X	X	X	X	X		
12																			X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Keegan Lowhead/Atlas	5/13/24	1540	JZ	5/13/24	15:40	1.0	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)							2.1			
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Keegan Lowhead					
SIGNATURE of SAMPLER:	Keegan Lowhead	DATE Signed: 5/13/24				

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/13/24 18:01 JG

1. Courier: ☐FED EX | UPS ☑CLIENT ☐PACE ☐NOW/JETT | OTHER _____

2. Custody Seal on Cooler/Box Present: | | Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**

3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G H

4. Cooler Temperature(s): 1.2/1.0 | 2.9/2.7 | | |

(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

8. EZ Bottle Order? | Yes ☑No

If yes but not on COC what is the EZ Bottle Order Number?:

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:** NO3 by 353.2	—		**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 ____ of ____

Sample Container Count

** Place a RED 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	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1														1			2	2	1	1	1								WT	✓	✓		
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 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,

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: Harding Street May 2024 P1R2
Pace Project No.: 50373213

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373213001	**PZ-101S**	Water	05/15/24 10:25	05/15/24 16:20
50373213002	**PZ-101D**	Water	05/15/24 12:05	05/15/24 16:20
50373213003	**PZ-100S**	Water	05/15/24 14:13	05/15/24 16:20

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373213001	**PZ-101S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373213002	**PZ-101D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373213003	**PZ-100S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	NWB	13	PASI-I
		EPA 6010	ELK	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373213001	**PZ-101S**					
EPA 9056	Chloride	104	mg/L	2.5	05/27/24 03:21	
EPA 9056	Fluoride	0.21	mg/L	0.10	05/27/24 03:04	
EPA 9056	Sulfate	626	mg/L	25.0	05/27/24 03:39	
EPA 6010	Barium	91.4	ug/L	10.0	05/23/24 11:01	
EPA 6010	Boron	2330	ug/L	100	05/23/24 11:01	
EPA 6010	Calcium	273000	ug/L	2000	05/23/24 14:22	
EPA 6010	Iron	10200	ug/L	100	05/23/24 11:01	
EPA 6010	Lithium	45.4	ug/L	20.0	05/23/24 11:01	
EPA 6010	Magnesium	84900	ug/L	1000	05/23/24 11:01	
EPA 6010	Manganese	355	ug/L	10.0	05/23/24 11:01	
EPA 6010	Molybdenum	29.3	ug/L	10.0	05/23/24 11:01	
EPA 6010	Potassium	11000	ug/L	1000	05/23/24 11:01	
EPA 6010	Sodium	82300	ug/L	1000	05/23/24 11:01	
EPA 6010	Molybdenum, Dissolved	26.4	ug/L	10.0	05/23/24 16:00	
EPA 6020	Arsenic	8.4	ug/L	1.0	05/30/24 07:19	
EPA 903.1	Radium-226	0.950 ± 0.707 (1.03) C:NA T:87%	pCi/L		06/07/24 14:55	
EPA 904.0	Radium-228	0.441 ± 0.297 (0.557) C:84% T:88%	pCi/L		06/04/24 12:08	
Total Radium Calculation	Total Radium	1.39 ± 1.00 (1.59)	pCi/L		06/10/24 11:30	
SM 2320B	Alkalinity, Total as CaCO3	461	mg/L	10.0	05/20/24 21:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	461	mg/L	10.0	05/20/24 21:46	
SM 2540C	Total Dissolved Solids	1490	mg/L	20.0	05/20/24 11:42	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/23/24 15:18	H3
SM 5310C	Dissolved Organic Carbon	3.1	mg/L	1.0	05/25/24 15:50	
50373213002	**PZ-101D**					
EPA 9056	Chloride	253	mg/L	25.0	05/27/24 05:06	
EPA 9056	Fluoride	0.21	mg/L	0.10	05/27/24 04:31	
EPA 9056	Sulfate	578	mg/L	25.0	05/27/24 05:06	
EPA 6010	Barium	82.3	ug/L	10.0	05/23/24 11:02	
EPA 6010	Boron	2420	ug/L	100	05/23/24 11:02	
EPA 6010	Calcium	283000	ug/L	2000	05/23/24 14:24	
EPA 6010	Iron	5860	ug/L	100	05/23/24 11:02	
EPA 6010	Lithium	68.0	ug/L	20.0	05/23/24 11:02	
EPA 6010	Magnesium	68000	ug/L	1000	05/23/24 11:02	
EPA 6010	Manganese	530	ug/L	10.0	05/23/24 11:02	
EPA 6010	Molybdenum	101	ug/L	10.0	05/23/24 11:02	
EPA 6010	Potassium	14900	ug/L	1000	05/23/24 11:02	
EPA 6010	Sodium	156000	ug/L	1000	05/23/24 11:02	
EPA 6010	Molybdenum, Dissolved	96.4	ug/L	10.0	05/23/24 16:02	
EPA 6020	Arsenic	7.5	ug/L	1.0	05/30/24 07:22	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373213002	**PZ-101D**					
EPA 903.1	Radium-226	-0.298 ± 0.711 (1.43) C:NA T:88%	pCi/L		06/07/24 14:55	
EPA 904.0	Radium-228	0.987 ± 0.409 (0.646) C:82% T:86%	pCi/L		06/04/24 12:08	
Total Radium Calculation	Total Radium	0.987 ± 1.12 (2.08)	pCi/L		06/10/24 11:30	
SM 2320B	Alkalinity, Total as CaCO3	430	mg/L	10.0	05/20/24 21:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	430	mg/L	10.0	05/20/24 21:46	
SM 2540C	Total Dissolved Solids	1730	mg/L	20.0	05/20/24 11:43	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/23/24 15:19	H3
50373213003	**PZ-100S**					
EPA 9056	Chloride	346	mg/L	25.0	05/27/24 05:58	
EPA 9056	Fluoride	1.7	mg/L	0.10	05/27/24 05:23	
EPA 9056	Sulfate	466	mg/L	25.0	05/27/24 05:58	
EPA 6010	Barium	36.4	ug/L	10.0	05/23/24 11:04	
EPA 6010	Boron	2400	ug/L	100	05/23/24 11:04	
EPA 6010	Calcium	184000	ug/L	1000	05/23/24 11:04	
EPA 6010	Iron	2490	ug/L	100	05/23/24 11:04	
EPA 6010	Lithium	47.6	ug/L	20.0	05/23/24 11:04	
EPA 6010	Magnesium	60500	ug/L	1000	05/23/24 11:04	
EPA 6010	Manganese	365	ug/L	10.0	05/23/24 11:04	
EPA 6010	Molybdenum	122	ug/L	10.0	05/23/24 11:04	
EPA 6010	Potassium	9870	ug/L	1000	05/23/24 11:04	
EPA 6010	Sodium	213000	ug/L	2000	05/23/24 14:26	
EPA 6010	Molybdenum, Dissolved	119	ug/L	10.0	05/23/24 16:04	
EPA 6020	Arsenic	3.2	ug/L	1.0	05/30/24 07:26	
EPA 903.1	Radium-226	0.474 ± 0.639 (1.07) C:NA T:95%	pCi/L		06/07/24 14:55	
EPA 904.0	Radium-228	0.472 ± 0.427 (0.863) C:85% T:91%	pCi/L		06/04/24 15:25	
Total Radium Calculation	Total Radium	0.946 ± 1.07 (1.93)	pCi/L		06/10/24 11:30	
SM 2320B	Alkalinity, Total as CaCO3	313	mg/L	10.0	05/20/24 21:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	313	mg/L	10.0	05/20/24 21:46	
SM 2540C	Total Dissolved Solids	1520	mg/L	20.0	05/20/24 11:43	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/23/24 15:20	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-101S **Lab ID: 50373213001** Collected: 05/15/24 10:25 Received: 05/15/24 16:20 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	**104**	mg/L	2.5	0.67	10		05/27/24 03:21	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.017	1		05/27/24 03:04	16984-48-8	
Sulfate	**626**	mg/L	25.0	19.0	100		05/27/24 03:39	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**91.4**	ug/L	10.0	1.6	1	05/20/24 22:07	05/23/24 11:01	7440-39-3	
Boron	**2330**	ug/L	100	11.4	1	05/20/24 22:07	05/23/24 11:01	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 22:07	05/23/24 11:01	7440-43-9	
Calcium	**273000**	ug/L	2000	113	2	05/20/24 22:07	05/23/24 14:22	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 22:07	05/23/24 11:01	7440-47-3	
Iron	**10200**	ug/L	100	18.1	1	05/20/24 22:07	05/23/24 11:01	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 22:07	05/23/24 11:01	7439-92-1	
Lithium	**45.4**	ug/L	20.0	5.1	1	05/20/24 22:07	05/23/24 11:01	7439-93-2	
Magnesium	**84900**	ug/L	1000	32.8	1	05/20/24 22:07	05/23/24 11:01	7439-95-4	
Manganese	**355**	ug/L	10.0	1.1	1	05/20/24 22:07	05/23/24 11:01	7439-96-5	
Molybdenum	**29.3**	ug/L	10.0	1.1	1	05/20/24 22:07	05/23/24 11:01	7439-98-7	
Potassium	**11000**	ug/L	1000	120	1	05/20/24 22:07	05/23/24 11:01	7440-09-7	
Sodium	**82300**	ug/L	1000	48.2	1	05/20/24 22:07	05/23/24 11:01	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**26.4**	ug/L	10.0	0.78	1	05/22/24 08:19	05/23/24 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	0.27	1	05/21/24 15:19	05/22/24 16:57	7440-36-0	
Arsenic	**8.4**	ug/L	1.0	0.11	1	05/21/24 15:19	05/30/24 07:19	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/21/24 15:19	05/22/24 16:57	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/21/24 15:19	05/22/24 16:57	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/21/24 15:19	05/30/24 07:19	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/21/24 15:19	05/22/24 16:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/28/24 12:42	05/28/24 20:41	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**461**	mg/L	10.0	10.0	1		05/20/24 21:46		
Alkalinity,Bicarbonate (CaCO3)	**461**	mg/L	10.0	10.0	1		05/20/24 21:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/20/24 21:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-101S **Lab ID: 50373213001** Collected: 05/15/24 10:25 Received: 05/15/24 16:20 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	**1490**	mg/L	20.0	20.0	1		05/20/24 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		05/23/24 15:18		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		05/16/24 00:23	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.1**	mg/L	1.0	0.25	1		05/25/24 15:50		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-101D **Lab ID: 50373213002** Collected: 05/15/24 12:05 Received: 05/15/24 16:20 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	**253**	mg/L	25.0	6.7	100		05/27/24 05:06	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.017	1		05/27/24 04:31	16984-48-8	
Sulfate	**578**	mg/L	25.0	19.0	100		05/27/24 05:06	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**82.3**	ug/L	10.0	1.6	1	05/20/24 22:07	05/23/24 11:02	7440-39-3	
Boron	**2420**	ug/L	100	11.4	1	05/20/24 22:07	05/23/24 11:02	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 22:07	05/23/24 11:02	7440-43-9	
Calcium	**283000**	ug/L	2000	113	2	05/20/24 22:07	05/23/24 14:24	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 22:07	05/23/24 11:02	7440-47-3	
Iron	**5860**	ug/L	100	18.1	1	05/20/24 22:07	05/23/24 11:02	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 22:07	05/23/24 11:02	7439-92-1	
Lithium	**68.0**	ug/L	20.0	5.1	1	05/20/24 22:07	05/23/24 11:02	7439-93-2	
Magnesium	**68000**	ug/L	1000	32.8	1	05/20/24 22:07	05/23/24 11:02	7439-95-4	
Manganese	**530**	ug/L	10.0	1.1	1	05/20/24 22:07	05/23/24 11:02	7439-96-5	
Molybdenum	**101**	ug/L	10.0	1.1	1	05/20/24 22:07	05/23/24 11:02	7439-98-7	
Potassium	**14900**	ug/L	1000	120	1	05/20/24 22:07	05/23/24 11:02	7440-09-7	
Sodium	**156000**	ug/L	1000	48.2	1	05/20/24 22:07	05/23/24 11:02	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**96.4**	ug/L	10.0	0.78	1	05/22/24 08:19	05/23/24 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	0.27	1	05/21/24 15:19	05/22/24 17:01	7440-36-0	
Arsenic	**7.5**	ug/L	1.0	0.11	1	05/21/24 15:19	05/30/24 07:22	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/21/24 15:19	05/22/24 17:01	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/21/24 15:19	05/22/24 17:01	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/21/24 15:19	05/30/24 07:22	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/21/24 15:19	05/22/24 17:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/28/24 12:42	05/28/24 20:43	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**430**	mg/L	10.0	10.0	1		05/20/24 21:46		
Alkalinity,Bicarbonate (CaCO3)	**430**	mg/L	10.0	10.0	1		05/20/24 21:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/20/24 21:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-101D **Lab ID: 50373213002** Collected: 05/15/24 12:05 Received: 05/15/24 16:20 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	**1730**	mg/L	20.0	20.0	1		05/20/24 11:43		
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		05/23/24 15:19		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		05/16/24 00:24	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	4.0	1.0	4		05/28/24 11:54		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-100S **Lab ID: 50373213003** Collected: 05/15/24 14:13 Received: 05/15/24 16:20 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	**346**	mg/L	25.0	6.7	100		05/27/24 05:58	16887-00-6	
Fluoride	**1.7**	mg/L	0.10	0.017	1		05/27/24 05:23	16984-48-8	
Sulfate	**466**	mg/L	25.0	19.0	100		05/27/24 05:58	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**36.4**	ug/L	10.0	1.6	1	05/20/24 22:07	05/23/24 11:04	7440-39-3	
Boron	**2400**	ug/L	100	11.4	1	05/20/24 22:07	05/23/24 11:04	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/20/24 22:07	05/23/24 11:04	7440-43-9	
Calcium	**184000**	ug/L	1000	56.7	1	05/20/24 22:07	05/23/24 11:04	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/20/24 22:07	05/23/24 11:04	7440-47-3	
Iron	**2490**	ug/L	100	18.1	1	05/20/24 22:07	05/23/24 11:04	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/20/24 22:07	05/23/24 11:04	7439-92-1	
Lithium	**47.6**	ug/L	20.0	5.1	1	05/20/24 22:07	05/23/24 11:04	7439-93-2	
Magnesium	**60500**	ug/L	1000	32.8	1	05/20/24 22:07	05/23/24 11:04	7439-95-4	
Manganese	**365**	ug/L	10.0	1.1	1	05/20/24 22:07	05/23/24 11:04	7439-96-5	
Molybdenum	**122**	ug/L	10.0	1.1	1	05/20/24 22:07	05/23/24 11:04	7439-98-7	
Potassium	**9870**	ug/L	1000	120	1	05/20/24 22:07	05/23/24 11:04	7440-09-7	
Sodium	**213000**	ug/L	2000	96.4	2	05/20/24 22:07	05/23/24 14:26	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	0.78	1	05/22/24 08:19	05/23/24 16:04	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	0.27	1	05/21/24 15:19	05/22/24 17:04	7440-36-0	
Arsenic	**3.2**	ug/L	1.0	0.11	1	05/21/24 15:19	05/30/24 07:26	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/21/24 15:19	05/22/24 17:04	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/21/24 15:19	05/22/24 17:04	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/21/24 15:19	05/30/24 07:26	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/21/24 15:19	05/22/24 17:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/28/24 12:42	05/28/24 20:46	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		05/20/24 21:46		
Alkalinity,Bicarbonate (CaCO3)	**313**	mg/L	10.0	10.0	1		05/20/24 21:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/20/24 21:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-100S **Lab ID: 50373213003** Collected: 05/15/24 14:13 Received: 05/15/24 16:20 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	**1520**	mg/L	20.0	20.0	1		05/20/24 11:43		
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		05/23/24 15:20		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		05/16/24 00:32	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		05/28/24 12:05		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 791638
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3622451 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/26/24 10:14	
Fluoride	mg/L	ND	0.10	0.017	05/26/24 10:14	
Sulfate	mg/L	ND	0.25	0.19	05/26/24 10:14	

LABORATORY CONTROL SAMPLE: 3622452

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	0.99	99	80-120	
Sulfate	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622453 3622454

Parameter	Units	50373184003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	98.0	25	25	122	121	97	94	80-120	1	15	
Fluoride	mg/L	0.17	1	1	1.2	1.2	101	100	80-120	0	15	
Sulfate	mg/L	482	50	50	520	517	75	70	80-120	0	15	E,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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 791662
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3622574 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/28/24 20:09	

LABORATORY CONTROL SAMPLE: 3622575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622576 3622578

Parameter	Units	50372571004 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	4.7	5.1	95	101	75-125	7	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 790817
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3618958 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	1.6	05/23/24 10:17	
Boron	ug/L	ND	100	11.4	05/23/24 10:17	
Cadmium	ug/L	ND	2.0	0.74	05/23/24 10:17	
Calcium	ug/L	ND	1000	56.7	05/23/24 10:17	
Chromium	ug/L	ND	10.0	1.4	05/23/24 10:17	
Iron	ug/L	ND	100	18.1	05/23/24 10:17	
Lead	ug/L	ND	10.0	4.0	05/23/24 10:17	
Lithium	ug/L	ND	20.0	5.1	05/23/24 10:17	
Magnesium	ug/L	ND	1000	32.8	05/23/24 10:17	
Manganese	ug/L	ND	10.0	1.1	05/23/24 10:17	
Molybdenum	ug/L	ND	10.0	1.1	05/23/24 10:17	
Potassium	ug/L	ND	1000	120	05/23/24 10:17	
Sodium	ug/L	ND	1000	48.2	05/23/24 10:17	

LABORATORY CONTROL SAMPLE: 3618959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	971	97	80-120	
Boron	ug/L	1000	957	96	80-120	
Cadmium	ug/L	1000	947	95	80-120	
Calcium	ug/L	10000	9790	98	80-120	
Chromium	ug/L	1000	967	97	80-120	
Iron	ug/L	10000	9640	96	80-120	
Lead	ug/L	1000	928	93	80-120	
Lithium	ug/L	1000	994	99	80-120	
Magnesium	ug/L	10000	9600	96	80-120	
Manganese	ug/L	1000	974	97	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9520	95	80-120	
Sodium	ug/L	10000	9400	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3618960 3618961

Parameter	Units	50373456001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	0.077 mg/L	1000	1000	1040	1020	97	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3618960 3618961

Parameter	Units	50373456001 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	998	987	98	97	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	953	937	95	94	75-125	2	20	
Calcium	ug/L	70.4 mg/L	10000	10000	78200	77500	78	71	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	961	949	96	95	75-125	1	20	
Iron	ug/L	ND	10000	10000	9580	9520	96	95	75-125	1	20	
Lead	ug/L	ND	1000	1000	911	899	91	90	75-125	1	20	
Lithium	ug/L	ND	1000	1000	997	976	100	98	75-125	2	20	
Magnesium	ug/L	34.1 mg/L	10000	10000	42900	42200	88	81	75-125	2	20	
Manganese	ug/L	ND	1000	1000	971	961	97	96	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1040	1030	104	103	75-125	2	20	
Potassium	ug/L	ND	10000	10000	9860	9690	96	94	75-125	2	20	
Sodium	ug/L	10.6 mg/L	10000	10000	19600	19200	90	86	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 791007
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3619599 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	05/23/24 15:14	

LABORATORY CONTROL SAMPLE: 3619600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619601 3619602

Parameter	Units	50373284008 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	1030	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 791076
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3619860 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.27	05/22/24 16:06	
Arsenic	ug/L	ND	1.0	0.11	05/22/24 16:06	
Beryllium	ug/L	ND	0.20	0.030	05/22/24 16:06	
Cobalt	ug/L	ND	1.0	0.16	05/22/24 16:06	
Selenium	ug/L	ND	1.0	0.22	05/22/24 16:06	
Thallium	ug/L	ND	1.0	0.043	05/22/24 16:06	

LABORATORY CONTROL SAMPLE: 3619861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.1	95	80-120	
Beryllium	ug/L	40	38.5	96	80-120	
Cobalt	ug/L	40	40.9	102	80-120	
Selenium	ug/L	40	38.3	96	80-120	
Thallium	ug/L	40	40.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619862 3619863

Parameter	Units	50373350021 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	40.1	100	100	75-125	0	20	
Arsenic	ug/L	ND	40	40	38.2	38.5	95	96	75-125	1	20	
Beryllium	ug/L	ND	40	40	39.7	40.5	99	101	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.8	40.0	99	100	75-125	0	20	
Selenium	ug/L	ND	40	40	39.4	39.8	98	99	75-125	1	20	
Thallium	ug/L	ND	40	40	41.5	41.2	104	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 790970
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3619373 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/20/24 21:46	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/20/24 21:46	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/20/24 21:46	

LABORATORY CONTROL SAMPLE: 3619374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	90-110	

SAMPLE DUPLICATE: 3619375

Parameter	Units	50373251001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	116	118	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	116	118	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3619376

Parameter	Units	50373256009 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	301	307	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	301	307	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 790837
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3619030 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/20/24 11:36	

LABORATORY CONTROL SAMPLE: 3619031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	80-120	

SAMPLE DUPLICATE: 3619032

Parameter	Units	50373350016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1420	1410	1	10	

SAMPLE DUPLICATE: 3619033

Parameter	Units	50373251001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1780	1730	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 791674
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: 50373213001, 50373213002, 50373213003

SAMPLE DUPLICATE: 3622648

Parameter	Units	50373216005 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	1	2	H3

SAMPLE DUPLICATE: 3622649

Parameter	Units	50373243001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.2	9.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 790246
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: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3615814 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/15/24 23:45	

LABORATORY CONTROL SAMPLE: 3615815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3615816 3615817

Parameter	Units	50373135007 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	99	101	90-110	0	20	

MATRIX SPIKE SAMPLE: 3615818

Parameter	Units	50373146003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.1	110	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 792095
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3625126 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/25/24 14:33	

LABORATORY CONTROL SAMPLE: 3625127

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: 3625128 3625129

Parameter	Units	50373256009 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	2.7	10	10	12.3	11.9	95	92	80-120	3	20	

MATRIX SPIKE SAMPLE: 3625130

Parameter	Units	50373256014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	19.5	40	56.8	93	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-101S **Lab ID: 50373213001** Collected: 05/15/24 10:25 Received: 05/15/24 16:20 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	**0.950 ± 0.707 (1.03) C:NA T:87%**	pCi/L	06/07/24 14:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.441 ± 0.297 (0.557) C:84% T:88%**	pCi/L	06/04/24 12:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.39 ± 1.00 (1.59)**	pCi/L	06/10/24 11:30	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-101D **Lab ID: 50373213002** Collected: 05/15/24 12:05 Received: 05/15/24 16:20 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	**-0.298 ± 0.711 (1.43) C:NA T:88%**	pCi/L	06/07/24 14:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.987 ± 0.409 (0.646) C:82% T:86%**	pCi/L	06/04/24 12:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.987 ± 1.12 (2.08)**	pCi/L	06/10/24 11:30	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Sample: PZ-100S **Lab ID: 50373213003** Collected: 05/15/24 14:13 Received: 05/15/24 16:20 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	**0.474 ± 0.639 (1.07) C:NA T:95%**	pCi/L	06/07/24 14:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.472 ± 0.427 (0.863) C:85% T:91%**	pCi/L	06/04/24 15:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.946 ± 1.07 (1.93)**	pCi/L	06/10/24 11:30	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 669955
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: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3262120 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.185 ± 0.257 (0.429) C:NA T:90%	pCi/L	06/07/24 14:42	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

QC Batch: 669964
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: 50373213001, 50373213002, 50373213003

METHOD BLANK: 3262136 Matrix: Water
Associated Lab Samples: 50373213001, 50373213002, 50373213003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.432 ± 0.324 (0.636) C:84% T:89%	pCi/L	06/04/24 12:07	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373213

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373213001	**PZ-101S**	EPA 9056	791638		
50373213002	**PZ-101D**	EPA 9056	791638		
50373213003	**PZ-100S**	EPA 9056	791638		
50373213001	**PZ-101S**	EPA 3010	790817	EPA 6010	791599
50373213002	**PZ-101D**	EPA 3010	790817	EPA 6010	791599
50373213003	**PZ-100S**	EPA 3010	790817	EPA 6010	791599
50373213001	**PZ-101S**	EPA 3010	791007	EPA 6010	791725
50373213002	**PZ-101D**	EPA 3010	791007	EPA 6010	791725
50373213003	**PZ-100S**	EPA 3010	791007	EPA 6010	791725
50373213001	**PZ-101S**	EPA 200.2	791076	EPA 6020	791293
50373213002	**PZ-101D**	EPA 200.2	791076	EPA 6020	791293
50373213003	**PZ-100S**	EPA 200.2	791076	EPA 6020	791293
50373213001	**PZ-101S**	EPA 7470	791662	EPA 7470	792364
50373213002	**PZ-101D**	EPA 7470	791662	EPA 7470	792364
50373213003	**PZ-100S**	EPA 7470	791662	EPA 7470	792364
50373213001	**PZ-101S**	EPA 903.1	669955		
50373213002	**PZ-101D**	EPA 903.1	669955		
50373213003	**PZ-100S**	EPA 903.1	669955		
50373213001	**PZ-101S**	EPA 904.0	669964		
50373213002	**PZ-101D**	EPA 904.0	669964		
50373213003	**PZ-100S**	EPA 904.0	669964		
50373213001	**PZ-101S**	Total Radium Calculation	674478		
50373213002	**PZ-101D**	Total Radium Calculation	674478		
50373213003	**PZ-100S**	Total Radium Calculation	674478		
50373213001	**PZ-101S**	SM 2320B	790970		
50373213002	**PZ-101D**	SM 2320B	790970		
50373213003	**PZ-100S**	SM 2320B	790970		
50373213001	**PZ-101S**	SM 2540C	790837		
50373213002	**PZ-101D**	SM 2540C	790837		
50373213003	**PZ-100S**	SM 2540C	790837		
50373213001	**PZ-101S**	SM 4500-H+B	791674		
50373213002	**PZ-101D**	SM 4500-H+B	791674		
50373213003	**PZ-100S**	SM 4500-H+B	791674		
50373213001	**PZ-101S**	EPA 353.2	790246		
50373213002	**PZ-101D**	EPA 353.2	790246		
50373213003	**PZ-100S**	EPA 353.2	790246		
50373213001	**PZ-101S**	SM 5310C	792095		
50373213002	**PZ-101D**	SM 5310C	792095		
50373213003	**PZ-100S**	SM 5310C	792095		

WO#:50373213

50373213

Pace

Submitting a sample via this chain of custody constitutes ... l Request Document
...elevant fields must be completed accurately.
...d at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Informat...	
Company: Atlas	Report To: Mark Breting	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date:	Project #: P1 R2	Pace Profile #: 10498-57

Regulatory Agency:

State / Location: IN

MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532					Residual Chlorine (Y/N)	
1	PZ-101S	WT		5-15-24	1025				8	3	1	4							X	X	X	X	X	X	X	X						001
2	PZ-101D	WT		↓	1205				8	3	1	4							X	X	X	X	X	X	X	X						002
3	PZ-100S	WT		5-15-24	1413				8	3	1	4							X	X	X	X	X	X	X	X						003
4		WT																	X	X	X	X	X	X	X	X						
5		WT																	X	X	X	X	X	X	X	X						
6		WT																	X	X	X	X	X	X	X	X						
7		WT																	X	X	X	X	X	X	X	X						
8		WT																	X	X	X	X	X	X	X	X						
9		WT																	X	X	X	X	X	X	X	X						
10		WT																	X	X	X	X	X	X	X	X						
11		WT																	X	X	X	X	X	X	X	X						
12																			X	X	X	X	X	X	X	X						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Aaron Day / ATLAS	5-15-24	1620	Matt	5/15/24	1620	2.9	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aaron Day

SIGNATURE of SAMPLER: Aaron Day

DATE Signed: 5-15-24

F-IN-Q-290-rev.26, 30Apr2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/15/24 1653 mw

1. Courier: ☐FED EX | UPS ☑CLIENT ☐PACE ☐NOW/JETT | OTHER _____

2. Custody Seal on Cooler/Box Present: | | Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**

3. Thermometer: 1 2 3 4 5 6 7 8 A (B) C D E F G H

4. Cooler Temperature(s): (Initial/Corrected) 2-9/2.9 | | | |

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

8. EZ Bottle Order? | Yes |☑No

If yes but not on COC what is the EZ Bottle Order Number?:

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:** NO3	✓	
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 17:45	
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)			✓
Headspace Wisconsin Sulfide?			✓
	Present	Absent	No VOA Vials Sent
Headspace in VOA Vials (>6mm): See Containter Count form for details			✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER							
			MeOH (only)																												
			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		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	2	1	1	1								WT	✓	✓		
2													↓			↓	↓	↓	↓	↓								↓	↓	↓		
3													↓			↓	↓	↓	↓	↓								↓	↓	↓		
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 16, 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,

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: Harding Street May 2024 P1R2
Pace Project No.: 50373421

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373421001	**MW-105I**	Water	05/16/24 14:00	05/16/24 17:00
50373421002	**MW-105S**	Water	05/16/24 11:50	05/16/24 17:00
50373421003	**DUP-7**	Water	05/16/24 11:50	05/16/24 17:00
50373421004	**MW-107S**	Water	05/16/24 10:53	05/16/24 17:00
50373421005	**MW-107I**	Water	05/16/24 12:47	05/16/24 17:00
50373421006	**MW-107D**	Water	05/16/24 14:05	05/16/24 17:00
50373421007	**MW-110S**	Water	05/16/24 13:00	05/16/24 17:00
50373421008	**MW-110D**	Water	05/16/24 15:15	05/16/24 17:00

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373421001	**MW-105I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373421002	**MW-105S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373421003	**DUP-7**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373421004	**MW-107S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373421005	**MW-107I**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373421006	**MW-107D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373421007	**MW-110S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373421008	**MW-110D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	ABH	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	MTM	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373421001	**MW-105I**					
EPA 9056	Chloride	126	mg/L	2.5	05/27/24 08:17	
EPA 9056	Fluoride	0.17	mg/L	0.10	05/27/24 08:00	
EPA 9056	Sulfate	80.0	mg/L	2.5	05/27/24 08:17	
EPA 6010	Barium	288	ug/L	10.0	05/28/24 22:18	
EPA 6010	Boron	244	ug/L	100	05/28/24 22:18	
EPA 6010	Calcium	98300	ug/L	1000	05/28/24 22:18	
EPA 6010	Iron	4410	ug/L	100	05/28/24 22:18	
EPA 6010	Magnesium	24200	ug/L	1000	05/28/24 22:18	
EPA 6010	Manganese	134	ug/L	10.0	05/28/24 22:18	
EPA 6010	Potassium	5310	ug/L	1000	05/28/24 22:18	
EPA 6010	Sodium	69500	ug/L	1000	05/28/24 22:18	
EPA 903.1	Radium-226	1.74 ± 0.975 (1.34) C:NA T:87%	pCi/L		06/11/24 14:48	
EPA 904.0	Radium-228	0.810 ± 0.407 (0.697) C:77% T:80%	pCi/L		06/06/24 12:39	
Total Radium Calculation	Total Radium	2.55 ± 1.38 (2.04)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	274	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	274	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	546	mg/L	10.0	05/22/24 06:54	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/30/24 12:10	H3
SM 5310C	Dissolved Organic Carbon	2.5	mg/L	1.0	05/26/24 00:38	
50373421002	**MW-105S**					
EPA 9056	Chloride	177	mg/L	2.5	05/27/24 11:12	
EPA 9056	Fluoride	0.34	mg/L	0.10	05/27/24 10:54	
EPA 9056	Sulfate	1260	mg/L	25.0	05/27/24 11:29	
EPA 6010	Barium	31.5	ug/L	10.0	05/28/24 22:24	
EPA 6010	Boron	27300	ug/L	100	05/28/24 22:24	
EPA 6010	Calcium	388000	ug/L	2000	05/28/24 22:52	
EPA 6010	Iron	9500	ug/L	100	05/28/24 22:24	
EPA 6010	Lithium	356	ug/L	20.0	05/28/24 22:24	
EPA 6010	Magnesium	99900	ug/L	1000	05/28/24 22:24	
EPA 6010	Manganese	199	ug/L	10.0	05/28/24 22:24	
EPA 6010	Molybdenum	75.9	ug/L	10.0	05/28/24 22:24	
EPA 6010	Potassium	18200	ug/L	1000	05/28/24 22:24	
EPA 6010	Sodium	155000	ug/L	1000	05/28/24 22:24	
EPA 6010	Molybdenum, Dissolved	75.2	ug/L	10.0	05/29/24 19:01	
EPA 6020	Arsenic	6.1	ug/L	1.0	05/23/24 12:45	
EPA 903.1	Radium-226	0.751 ± 0.935 (1.56) C:NA T:80%	pCi/L		06/11/24 14:48	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373421002	**MW-105S**					
EPA 904.0	Radium-228	0.874 ± 0.406 (0.672) C:83% T:83%	pCi/L		06/06/24 12:39	
Total Radium Calculation	Total Radium	1.63 ± 1.34 (2.23)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	260	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	260	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	2180	mg/L	40.0	05/22/24 06:55	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/30/24 12:11	H3
SM 5310C	Dissolved Organic Carbon	1.9	mg/L	1.0	05/26/24 01:12	
50373421003	**DUP-7**					
EPA 9056	Chloride	175	mg/L	2.5	05/27/24 12:04	
EPA 9056	Fluoride	0.34	mg/L	0.10	05/27/24 11:46	
EPA 9056	Sulfate	1260	mg/L	25.0	05/27/24 12:20	
EPA 6010	Barium	32.1	ug/L	10.0	05/28/24 22:26	
EPA 6010	Boron	27900	ug/L	100	05/28/24 22:26	
EPA 6010	Calcium	394000	ug/L	2000	05/28/24 22:54	
EPA 6010	Iron	9700	ug/L	100	05/28/24 22:26	
EPA 6010	Lithium	363	ug/L	20.0	05/28/24 22:26	
EPA 6010	Magnesium	101000	ug/L	1000	05/28/24 22:26	
EPA 6010	Manganese	202	ug/L	10.0	05/28/24 22:26	
EPA 6010	Molybdenum	76.9	ug/L	10.0	05/28/24 22:26	
EPA 6010	Potassium	18500	ug/L	1000	05/28/24 22:26	
EPA 6010	Sodium	158000	ug/L	1000	05/28/24 22:26	
EPA 6010	Molybdenum, Dissolved	72.1	ug/L	10.0	05/29/24 19:03	
EPA 6020	Arsenic	6.3	ug/L	1.0	05/23/24 13:17	
EPA 903.1	Radium-226	0.415 ± 0.859 (1.51) C:NA T:87%	pCi/L		06/11/24 14:48	
EPA 904.0	Radium-228	1.77 ± 0.605 (0.896) C:80% T:84%	pCi/L		06/06/24 12:40	
Total Radium Calculation	Total Radium	2.19 ± 1.46 (2.41)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	257	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	257	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	2240	mg/L	40.0	05/22/24 06:55	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	05/30/24 12:11	H3
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	05/26/24 01:24	
50373421004	**MW-107S**					
EPA 9056	Chloride	174	mg/L	2.5	05/27/24 12:53	
EPA 9056	Fluoride	0.73	mg/L	0.10	05/27/24 12:37	
EPA 9056	Sulfate	614	mg/L	25.0	05/27/24 13:10	
EPA 6010	Barium	15.7	ug/L	10.0	05/28/24 22:28	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373421004	**MW-107S**					
EPA 6010	Boron	3320	ug/L	100	05/28/24 22:28	
EPA 6010	Calcium	193000	ug/L	1000	05/28/24 22:28	
EPA 6010	Iron	1540	ug/L	100	05/28/24 22:28	
EPA 6010	Lithium	64.9	ug/L	20.0	05/28/24 22:28	
EPA 6010	Magnesium	72200	ug/L	1000	05/28/24 22:28	
EPA 6010	Manganese	382	ug/L	10.0	05/28/24 22:28	
EPA 6010	Molybdenum	60.7	ug/L	10.0	05/28/24 22:28	
EPA 6010	Potassium	9800	ug/L	1000	05/28/24 22:28	
EPA 6010	Sodium	128000	ug/L	1000	05/28/24 22:28	
EPA 6010	Molybdenum, Dissolved	57.5	ug/L	10.0	05/29/24 19:04	
EPA 903.1	Radium-226	0.666 ± 0.644 (1.01) C:NA T:88%	pCi/L		06/11/24 15:03	
EPA 904.0	Radium-228	0.867 ± 0.420 (0.742) C:86% T:88%	pCi/L		06/06/24 12:40	
Total Radium Calculation	Total Radium	1.53 ± 1.06 (1.75)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	213	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	213	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	1250	mg/L	20.0	05/22/24 06:55	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/30/24 12:12	H3
SM 5310C	Dissolved Organic Carbon	1.7	mg/L	1.0	05/26/24 01:35	
50373421005	**MW-107I**					
EPA 9056	Chloride	196	mg/L	2.5	05/27/24 14:01	
EPA 9056	Fluoride	0.57	mg/L	0.10	05/30/24 14:55	
EPA 9056	Sulfate	608	mg/L	25.0	05/27/24 14:17	
EPA 6010	Barium	31.3	ug/L	10.0	05/28/24 22:30	
EPA 6010	Boron	6970	ug/L	100	05/28/24 22:30	
EPA 6010	Calcium	196000	ug/L	1000	05/28/24 22:30	
EPA 6010	Lithium	51.5	ug/L	20.0	05/28/24 22:30	
EPA 6010	Magnesium	66300	ug/L	1000	05/28/24 22:30	
EPA 6010	Manganese	346	ug/L	10.0	05/28/24 22:30	
EPA 6010	Molybdenum	112	ug/L	10.0	05/28/24 22:30	
EPA 6010	Potassium	9170	ug/L	1000	05/28/24 22:30	
EPA 6010	Sodium	165000	ug/L	1000	05/28/24 22:30	
EPA 6010	Molybdenum, Dissolved	111	ug/L	10.0	05/29/24 19:10	
EPA 903.1	Radium-226	-0.131 ± 0.573 (1.18) C:NA T:89%	pCi/L		06/11/24 15:03	
EPA 904.0	Radium-228	0.612 ± 0.440 (0.865) C:84% T:77%	pCi/L		06/06/24 12:40	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373421005	**MW-107I**					
Total Radium Calculation	Total Radium	0.612 ± 1.01 (2.05)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	219	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	219	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	1420	mg/L	20.0	05/22/24 06:55	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	05/30/24 12:12	H3
EPA 353.2	Nitrogen, Nitrate	0.26	mg/L	0.10	05/17/24 01:26	
SM 5310C	Dissolved Organic Carbon	1.8	mg/L	1.0	05/26/24 01:47	
50373421006	**MW-107D**					
EPA 9056	Chloride	189	mg/L	2.5	05/27/24 14:50	
EPA 9056	Fluoride	0.49	mg/L	0.10	05/27/24 14:34	
EPA 9056	Sulfate	714	mg/L	25.0	05/27/24 15:07	
EPA 6010	Barium	54.4	ug/L	10.0	05/28/24 22:32	
EPA 6010	Boron	6040	ug/L	100	05/28/24 22:32	
EPA 6010	Calcium	222000	ug/L	2000	05/28/24 22:56	
EPA 6010	Iron	3730	ug/L	100	05/28/24 22:32	
EPA 6010	Lithium	55.9	ug/L	20.0	05/28/24 22:32	
EPA 6010	Magnesium	67700	ug/L	1000	05/28/24 22:32	
EPA 6010	Manganese	342	ug/L	10.0	05/28/24 22:32	
EPA 6010	Molybdenum	86.1	ug/L	10.0	05/28/24 22:32	
EPA 6010	Potassium	10400	ug/L	1000	05/28/24 22:32	
EPA 6010	Sodium	159000	ug/L	1000	05/28/24 22:32	
EPA 6010	Molybdenum, Dissolved	80.7	ug/L	10.0	05/29/24 19:11	
EPA 6020	Arsenic	1.5	ug/L	1.0	05/23/24 13:37	
EPA 903.1	Radium-226	0.498 ± 0.648 (1.08) C:NA T:87%	pCi/L		06/11/24 15:03	
EPA 904.0	Radium-228	0.756 ± 0.413 (0.754) C:88% T:87%	pCi/L		06/06/24 12:40	
Total Radium Calculation	Total Radium	1.25 ± 1.06 (1.83)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	221	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	221	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	1450	mg/L	20.0	05/22/24 06:56	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	05/30/24 12:13	H3
SM 5310C	Dissolved Organic Carbon	2.1	mg/L	1.0	05/26/24 02:03	
50373421007	**MW-110S**					
EPA 9056	Chloride	104	mg/L	2.5	05/27/24 10:02	
EPA 9056	Fluoride	0.17	mg/L	0.10	05/27/24 09:44	
EPA 9056	Sulfate	339	mg/L	2.5	05/27/24 10:02	
EPA 6010	Barium	43.4	ug/L	10.0	05/28/24 22:34	
EPA 6010	Boron	1400	ug/L	100	05/28/24 22:34	
EPA 6010	Calcium	186000	ug/L	1000	05/28/24 22:34	
EPA 6010	Iron	2750	ug/L	100	05/28/24 22:34	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373421007	**MW-110S**					
EPA 6010	Lithium	25.9	ug/L	20.0	05/28/24 22:34	
EPA 6010	Magnesium	51600	ug/L	1000	05/28/24 22:34	
EPA 6010	Manganese	619	ug/L	10.0	05/28/24 22:34	
EPA 6010	Molybdenum	13.3	ug/L	10.0	05/28/24 22:34	
EPA 6010	Potassium	5140	ug/L	1000	05/28/24 22:34	
EPA 6010	Sodium	73100	ug/L	1000	05/28/24 22:34	
EPA 6010	Molybdenum, Dissolved	12.4	ug/L	10.0	05/29/24 19:13	
EPA 6020	Arsenic	1.6	ug/L	1.0	05/23/24 13:41	
EPA 903.1	Radium-226	0.589 ± 0.960 (1.65) C:NA T:88%	pCi/L		06/11/24 15:03	
EPA 904.0	Radium-228	-0.0599 ± 0.337 (0.796) C:83% T:81%	pCi/L		06/06/24 12:40	
Total Radium Calculation	Total Radium	0.589 ± 1.30 (2.45)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	391	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	391	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	960	mg/L	20.0	05/22/24 06:56	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	05/30/24 12:13	H3
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	05/26/24 02:15	
50373421008	**MW-110D**					
EPA 9056	Chloride	218	mg/L	2.5	05/27/24 17:02	
EPA 9056	Fluoride	0.25	mg/L	0.10	05/27/24 16:46	
EPA 9056	Sulfate	355	mg/L	2.5	05/27/24 17:02	
EPA 6010	Barium	57.8	ug/L	10.0	05/28/24 22:36	
EPA 6010	Boron	3380	ug/L	100	05/28/24 22:36	
EPA 6010	Calcium	159000	ug/L	1000	05/28/24 22:36	
EPA 6010	Iron	1760	ug/L	100	05/28/24 22:36	
EPA 6010	Lithium	66.8	ug/L	20.0	05/28/24 22:36	
EPA 6010	Magnesium	50500	ug/L	1000	05/28/24 22:36	
EPA 6010	Manganese	272	ug/L	10.0	05/28/24 22:36	
EPA 6010	Molybdenum	145	ug/L	10.0	05/28/24 22:36	
EPA 6010	Potassium	9790	ug/L	1000	05/28/24 22:36	
EPA 6010	Sodium	121000	ug/L	1000	05/28/24 22:36	
EPA 6010	Molybdenum, Dissolved	142	ug/L	10.0	05/29/24 19:15	
EPA 6020	Arsenic	1.4	ug/L	1.0	05/23/24 13:45	
EPA 6020	Cobalt	1.3	ug/L	1.0	05/23/24 13:45	
EPA 903.1	Radium-226	0.388 ± 0.719 (1.26) C:NA T:86%	pCi/L		06/11/24 15:03	
EPA 904.0	Radium-228	0.522 ± 0.321 (0.596) C:86% T:91%	pCi/L		06/06/24 12:40	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373421008	**MW-110D**					
Total Radium Calculation	Total Radium	0.910 ± 1.04 (1.86)	pCi/L		06/17/24 14:36	
SM 2320B	Alkalinity, Total as CaCO3	287	mg/L	10.0	05/21/24 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	287	mg/L	10.0	05/21/24 20:40	
SM 2540C	Total Dissolved Solids	1070	mg/L	20.0	05/22/24 06:56	
SM 4500-H+B	pH at 25 Degrees C	7.6	Std. Units	0.10	05/30/24 12:14	H3
SM 5310C	Dissolved Organic Carbon	2.3	mg/L	1.0	05/26/24 03:07	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-105I **Lab ID: 50373421001** Collected: 05/16/24 14:00 Received: 05/16/24 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	**126**	mg/L	2.5	0.67	10		05/27/24 08:17	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.017	1		05/27/24 08:00	16984-48-8	
Sulfate	**80.0**	mg/L	2.5	1.9	10		05/27/24 08:17	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**288**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:18	7440-39-3	
Boron	**244**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:18	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:18	7440-43-9	
Calcium	**98300**	ug/L	1000	56.7	1	05/23/24 16:19	05/28/24 22:18	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:18	7440-47-3	
Iron	**4410**	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:18	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:18	7439-92-1	
Lithium	ND	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:18	7439-93-2	
Magnesium	**24200**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:18	7439-95-4	
Manganese	**134**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:18	7439-96-5	
Molybdenum	ND	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:18	7439-98-7	
Potassium	**5310**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:18	7440-09-7	
Sodium	**69500**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:18	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	1.1	1	05/23/24 16:07	05/29/24 18:52	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	0.26	1	05/22/24 07:12	05/23/24 13:13	7440-36-0	
Arsenic	ND	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 13:13	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 13:13	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 13:13	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 13:13	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 13:13	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:28	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**274**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**274**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-105I **Lab ID: 50373421001** Collected: 05/16/24 14:00 Received: 05/16/24 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	**546**	mg/L	10.0	10.0	1		05/22/24 06:54		
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		05/30/24 12:10		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		05/17/24 01:48	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		05/26/24 00:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-105S **Lab ID: 50373421002** Collected: 05/16/24 11:50 Received: 05/16/24 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	**177**	mg/L	2.5	0.67	10		05/27/24 11:12	16887-00-6	
Fluoride	**0.34**	mg/L	0.10	0.017	1		05/27/24 10:54	16984-48-8	
Sulfate	**1260**	mg/L	25.0	19.0	100		05/27/24 11:29	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**31.5**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:24	7440-39-3	
Boron	**27300**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:24	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:24	7440-43-9	
Calcium	**388000**	ug/L	2000	113	2	05/23/24 16:19	05/28/24 22:52	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:24	7440-47-3	
Iron	**9500**	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:24	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:24	7439-92-1	
Lithium	**356**	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:24	7439-93-2	
Magnesium	**99900**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:24	7439-95-4	
Manganese	**199**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:24	7439-96-5	
Molybdenum	**75.9**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:24	7439-98-7	
Potassium	**18200**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:24	7440-09-7	
Sodium	**155000**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:24	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**75.2**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 19:01	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	0.26	1	05/22/24 07:12	05/23/24 12:45	7440-36-0	
Arsenic	**6.1**	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 12:45	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 12:45	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 12:45	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 12:45	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 12:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:30	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**260**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**260**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-105S **Lab ID: 50373421002** Collected: 05/16/24 11:50 Received: 05/16/24 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	**2180**	mg/L	40.0	40.0	1		05/22/24 06:55		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/30/24 12:11		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		05/17/24 02:03	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		05/26/24 01:12		

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: DUP-7 **Lab ID: 50373421003** Collected: 05/16/24 11:50 Received: 05/16/24 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	**175**	mg/L	2.5	0.67	10		05/27/24 12:04	16887-00-6	
Fluoride	**0.34**	mg/L	0.10	0.017	1		05/27/24 11:46	16984-48-8	
Sulfate	**1260**	mg/L	25.0	19.0	100		05/27/24 12:20	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**32.1**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:26	7440-39-3	
Boron	**27900**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:26	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:26	7440-43-9	
Calcium	**394000**	ug/L	2000	113	2	05/23/24 16:19	05/28/24 22:54	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:26	7440-47-3	
Iron	**9700**	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:26	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:26	7439-92-1	
Lithium	**363**	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:26	7439-93-2	
Magnesium	**101000**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:26	7439-95-4	
Manganese	**202**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:26	7439-96-5	
Molybdenum	**76.9**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:26	7439-98-7	
Potassium	**18500**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:26	7440-09-7	
Sodium	**158000**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:26	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**72.1**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 19:03	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	0.26	1	05/22/24 07:12	05/23/24 13:17	7440-36-0	
Arsenic	**6.3**	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 13:17	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 13:17	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 13:17	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 13:17	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 13:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:33	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		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**257**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: DUP-7 **Lab ID: 50373421003** Collected: 05/16/24 11:50 Received: 05/16/24 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	**2240**	mg/L	40.0	40.0	1		05/22/24 06:55		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		05/30/24 12:11		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		05/17/24 01:17	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		05/26/24 01:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107S **Lab ID: 50373421004** Collected: 05/16/24 10:53 Received: 05/16/24 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	**174**	mg/L	2.5	0.67	10		05/27/24 12:53	16887-00-6	
Fluoride	**0.73**	mg/L	0.10	0.017	1		05/27/24 12:37	16984-48-8	
Sulfate	**614**	mg/L	25.0	19.0	100		05/27/24 13:10	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**15.7**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:28	7440-39-3	
Boron	**3320**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:28	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:28	7440-43-9	
Calcium	**193000**	ug/L	1000	56.7	1	05/23/24 16:19	05/28/24 22:28	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:28	7440-47-3	
Iron	**1540**	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:28	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:28	7439-92-1	
Lithium	**64.9**	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:28	7439-93-2	
Magnesium	**72200**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:28	7439-95-4	
Manganese	**382**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:28	7439-96-5	
Molybdenum	**60.7**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:28	7439-98-7	
Potassium	**9800**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:28	7440-09-7	
Sodium	**128000**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:28	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**57.5**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 19:04	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	0.26	1	05/22/24 07:12	05/23/24 13:21	7440-36-0	
Arsenic	ND	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 13:21	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 13:21	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 13:21	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 13:21	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 13:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:35	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		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**213**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107S **Lab ID: 50373421004** Collected: 05/16/24 10:53 Received: 05/16/24 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	**1250**	mg/L	20.0	20.0	1		05/22/24 06:55		
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		05/30/24 12:12		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		05/17/24 01:04	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		05/26/24 01:35		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107I **Lab ID: 50373421005** Collected: 05/16/24 12:47 Received: 05/16/24 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	**196**	mg/L	2.5	0.67	10		05/27/24 14:01	16887-00-6	
Fluoride	**0.57**	mg/L	0.10	0.017	1		05/30/24 14:55	16984-48-8	
Sulfate	**608**	mg/L	25.0	19.0	100		05/27/24 14:17	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**31.3**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:30	7440-39-3	
Boron	**6970**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:30	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:30	7440-43-9	
Calcium	**196000**	ug/L	1000	56.7	1	05/23/24 16:19	05/28/24 22:30	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:30	7440-47-3	
Iron	ND	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:30	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:30	7439-92-1	
Lithium	**51.5**	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:30	7439-93-2	
Magnesium	**66300**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:30	7439-95-4	
Manganese	**346**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:30	7439-96-5	
Molybdenum	**112**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:30	7439-98-7	
Potassium	**9170**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:30	7440-09-7	
Sodium	**165000**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:30	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	1.1	1	05/23/24 16:07	05/29/24 19:10	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	0.26	1	05/22/24 07:12	05/23/24 13:25	7440-36-0	
Arsenic	ND	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 13:25	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 13:25	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 13:25	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 13:25	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 13:25	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:38	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**219**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**219**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107I **Lab ID: 50373421005** Collected: 05/16/24 12:47 Received: 05/16/24 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	**1420**	mg/L	20.0	20.0	1		05/22/24 06:55		
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		05/30/24 12:12		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		05/17/24 01:26	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		05/26/24 01:47		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107D **Lab ID: 50373421006** Collected: 05/16/24 14:05 Received: 05/16/24 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	**189**	mg/L	2.5	0.67	10		05/27/24 14:50	16887-00-6	
Fluoride	**0.49**	mg/L	0.10	0.017	1		05/27/24 14:34	16984-48-8	
Sulfate	**714**	mg/L	25.0	19.0	100		05/27/24 15:07	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**54.4**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:32	7440-39-3	
Boron	**6040**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:32	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:32	7440-43-9	
Calcium	**222000**	ug/L	2000	113	2	05/23/24 16:19	05/28/24 22:56	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:32	7440-47-3	
Iron	**3730**	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:32	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:32	7439-92-1	
Lithium	**55.9**	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:32	7439-93-2	
Magnesium	**67700**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:32	7439-95-4	
Manganese	**342**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:32	7439-96-5	
Molybdenum	**86.1**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:32	7439-98-7	
Potassium	**10400**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:32	7440-09-7	
Sodium	**159000**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:32	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**80.7**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 19:11	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	0.26	1	05/22/24 07:12	05/23/24 13:37	7440-36-0	
Arsenic	**1.5**	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 13:37	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 13:37	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 13:37	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 13:37	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 13:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:45	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**221**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**221**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107D **Lab ID: 50373421006** Collected: 05/16/24 14:05 Received: 05/16/24 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	**1450**	mg/L	20.0	20.0	1		05/22/24 06:56		
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		05/30/24 12:13		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		05/17/24 01:50	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		05/26/24 02:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-110S **Lab ID: 50373421007** Collected: 05/16/24 13:00 Received: 05/16/24 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	**104**	mg/L	2.5	0.67	10		05/27/24 10:02	16887-00-6	
Fluoride	**0.17**	mg/L	0.10	0.017	1		05/27/24 09:44	16984-48-8	
Sulfate	**339**	mg/L	2.5	1.9	10		05/27/24 10:02	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**43.4**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:34	7440-39-3	
Boron	**1400**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:34	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:34	7440-43-9	
Calcium	**186000**	ug/L	1000	56.7	1	05/23/24 16:19	05/28/24 22:34	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:34	7440-47-3	
Iron	**2750**	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:34	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:34	7439-92-1	
Lithium	**25.9**	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:34	7439-93-2	
Magnesium	**51600**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:34	7439-95-4	
Manganese	**619**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:34	7439-96-5	
Molybdenum	**13.3**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:34	7439-98-7	
Potassium	**5140**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:34	7440-09-7	
Sodium	**73100**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:34	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**12.4**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 19:13	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	0.26	1	05/22/24 07:12	05/23/24 13:41	7440-36-0	
Arsenic	**1.6**	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 13:41	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 13:41	7440-41-7	
Cobalt	ND	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 13:41	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 13:41	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 13:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:48	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**391**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**391**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-110S **Lab ID: 50373421007** Collected: 05/16/24 13:00 Received: 05/16/24 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	**960**	mg/L	20.0	20.0	1		05/22/24 06:56		
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		05/30/24 12:13		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		05/17/24 01:33	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		05/26/24 02:15		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-110D **Lab ID: 50373421008** Collected: 05/16/24 15:15 Received: 05/16/24 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	**218**	mg/L	2.5	0.67	10		05/27/24 17:02	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.017	1		05/27/24 16:46	16984-48-8	
Sulfate	**355**	mg/L	2.5	1.9	10		05/27/24 17:02	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**57.8**	ug/L	10.0	1.6	1	05/23/24 16:19	05/28/24 22:36	7440-39-3	
Boron	**3380**	ug/L	100	11.4	1	05/23/24 16:19	05/28/24 22:36	7440-42-8	
Cadmium	ND	ug/L	2.0	0.74	1	05/23/24 16:19	05/28/24 22:36	7440-43-9	
Calcium	**159000**	ug/L	1000	56.7	1	05/23/24 16:19	05/28/24 22:36	7440-70-2	
Chromium	ND	ug/L	10.0	1.4	1	05/23/24 16:19	05/28/24 22:36	7440-47-3	
Iron	**1760**	ug/L	100	18.1	1	05/23/24 16:19	05/28/24 22:36	7439-89-6	
Lead	ND	ug/L	10.0	4.0	1	05/23/24 16:19	05/28/24 22:36	7439-92-1	
Lithium	**66.8**	ug/L	20.0	5.1	1	05/23/24 16:19	05/28/24 22:36	7439-93-2	
Magnesium	**50500**	ug/L	1000	32.8	1	05/23/24 16:19	05/28/24 22:36	7439-95-4	
Manganese	**272**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:36	7439-96-5	
Molybdenum	**145**	ug/L	10.0	1.1	1	05/23/24 16:19	05/28/24 22:36	7439-98-7	
Potassium	**9790**	ug/L	1000	120	1	05/23/24 16:19	05/28/24 22:36	7440-09-7	
Sodium	**121000**	ug/L	1000	48.2	1	05/23/24 16:19	05/28/24 22:36	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**142**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 19:15	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	0.26	1	05/22/24 07:12	05/23/24 13:45	7440-36-0	
Arsenic	**1.4**	ug/L	1.0	0.10	1	05/22/24 07:12	05/23/24 13:45	7440-38-2	
Beryllium	ND	ug/L	0.20	0.020	1	05/22/24 07:12	05/23/24 13:45	7440-41-7	
Cobalt	**1.3**	ug/L	1.0	0.060	1	05/22/24 07:12	05/23/24 13:45	7440-48-4	
Selenium	ND	ug/L	1.0	0.36	1	05/22/24 07:12	05/23/24 13:45	7782-49-2	
Thallium	ND	ug/L	1.0	0.079	1	05/22/24 07:12	05/23/24 13:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/28/24 19:30	05/29/24 12:50	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		05/21/24 20:40		
Alkalinity,Bicarbonate (CaCO3)	**287**	mg/L	10.0	10.0	1		05/21/24 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/21/24 20:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-110D **Lab ID: 50373421008** Collected: 05/16/24 15:15 Received: 05/16/24 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	**1070**	mg/L	20.0	20.0	1		05/22/24 06:56		
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		05/30/24 12:14		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		05/17/24 01:54	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		05/26/24 03:07		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 791975
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3624324 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/27/24 07:25	
Fluoride	mg/L	ND	0.10	0.017	05/27/24 07:25	
Sulfate	mg/L	ND	0.25	0.19	05/27/24 07:25	

LABORATORY CONTROL SAMPLE: 3624325

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	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3624329 3624330

Parameter	Units	50373421001 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	154	153	112	108	80-120	1	15	
Fluoride	mg/L	0.17	1	1	0.99	0.98	82	81	80-120	1	15	
Sulfate	mg/L	80.0	50	50	129	128	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 792325
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3626115 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	05/29/24 11:49	

LABORATORY CONTROL SAMPLE: 3626116

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: 3626117 3626118

Parameter	Units	50373403004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<2.0	5	5	5.0	4.9	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 790992
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3619490 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	1.6	05/28/24 21:42	
Boron	ug/L	ND	100	11.4	05/28/24 21:42	
Cadmium	ug/L	ND	2.0	0.74	05/28/24 21:42	
Calcium	ug/L	ND	1000	56.7	05/28/24 21:42	
Chromium	ug/L	ND	10.0	1.4	05/28/24 21:42	
Iron	ug/L	ND	100	18.1	05/28/24 21:42	
Lead	ug/L	ND	10.0	4.0	05/28/24 21:42	
Lithium	ug/L	ND	20.0	5.1	05/28/24 21:42	
Magnesium	ug/L	ND	1000	32.8	05/28/24 21:42	
Manganese	ug/L	ND	10.0	1.1	05/28/24 21:42	
Molybdenum	ug/L	ND	10.0	1.1	05/28/24 21:42	
Potassium	ug/L	ND	1000	120	05/28/24 21:42	
Sodium	ug/L	ND	1000	48.2	05/28/24 21:42	

LABORATORY CONTROL SAMPLE: 3619491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	1010	101	80-120	
Boron	ug/L	1000	992	99	80-120	
Cadmium	ug/L	1000	989	99	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Iron	ug/L	10000	9960	100	80-120	
Lead	ug/L	1000	957	96	80-120	
Lithium	ug/L	1000	1060	106	80-120	
Magnesium	ug/L	10000	10000	100	80-120	
Manganese	ug/L	1000	994	99	80-120	
Molybdenum	ug/L	1000	1030	103	80-120	
Potassium	ug/L	10000	9980	100	80-120	
Sodium	ug/L	10000	9950	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619492 3619493

Parameter	Units	50373404001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	76.1	1000	1000	1070	1080	99	101	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619492 3619493

Parameter	Units	50373404001 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	1090	1120	101	104	75-125	3	20	
Cadmium	ug/L	<2.0	1000	1000	979	1000	98	100	75-125	3	20	
Calcium	ug/L	88400	10000	10000	96300	99600	80	113	75-125	3	20	
Chromium	ug/L	<10.0	1000	1000	988	1010	98	101	75-125	3	20	
Iron	ug/L	3130	10000	10000	12900	13200	98	101	75-125	2	20	
Lead	ug/L	<10.0	1000	1000	907	932	91	93	75-125	3	20	
Lithium	ug/L	<20.0	1000	1000	1040	1050	103	104	75-125	1	20	
Magnesium	ug/L	22100	10000	10000	31300	32300	93	102	75-125	3	20	
Manganese	ug/L	236	1000	1000	1200	1230	96	99	75-125	3	20	
Molybdenum	ug/L	<10.0	1000	1000	1030	1050	102	104	75-125	2	20	
Potassium	ug/L	11700	10000	10000	21700	22000	100	103	75-125	2	20	
Sodium	ug/L	152000	10000	10000	157000	160000	52	82	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 791011
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3619623 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/29/24 18:49	

LABORATORY CONTROL SAMPLE: 3619624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	959	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619625 3619626

Parameter	Units	50373421001 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	995	978	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 791209
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3620508 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.26	05/23/24 11:37	
Arsenic	ug/L	ND	1.0	0.10	05/23/24 11:37	
Beryllium	ug/L	ND	0.20	0.020	05/23/24 11:37	
Cobalt	ug/L	ND	1.0	0.060	05/23/24 11:37	
Selenium	ug/L	ND	1.0	0.36	05/23/24 11:37	
Thallium	ug/L	ND	1.0	0.079	05/23/24 11:37	

LABORATORY CONTROL SAMPLE: 3620509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	42.1	105	80-120	
Arsenic	ug/L	40	39.5	99	80-120	
Beryllium	ug/L	40	38.3	96	80-120	
Cobalt	ug/L	40	41.8	105	80-120	
Selenium	ug/L	40	38.9	97	80-120	
Thallium	ug/L	40	39.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620510 3620511

Parameter	Units	50373421002 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	42.8	109	107	75-125	2	20	
Arsenic	ug/L	6.1	40	40	48.6	47.0	106	102	75-125	3	20	
Beryllium	ug/L	ND	40	40	41.4	40.4	103	101	75-125	2	20	
Cobalt	ug/L	ND	40	40	39.5	38.8	98	96	75-125	2	20	
Selenium	ug/L	ND	40	40	41.4	42.2	103	105	75-125	2	20	
Thallium	ug/L	ND	40	40	40.2	39.8	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 791238
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3620591 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/21/24 20:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/21/24 20:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/21/24 20:40	

LABORATORY CONTROL SAMPLE: 3620592

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: 3620593

Parameter	Units	50373421001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	274	281	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	274	281	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3620594

Parameter	Units	50373603011 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	702	710	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	702	710	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 791304 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3620886 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/22/24 06:53	

LABORATORY CONTROL SAMPLE: 3620887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	295	98	80-120	

SAMPLE DUPLICATE: 3620888

Parameter	Units	50373404003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	626000 ug/L	627	0	10	

SAMPLE DUPLICATE: 3620889

Parameter	Units	50373429001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2110	2060	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 792516
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: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

SAMPLE DUPLICATE: 3626719

Parameter	Units	50373413001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.7	8.7	0	2	H3

SAMPLE DUPLICATE: 3626720

Parameter	Units	50373425002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 790493 | 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: 50373421002, 50373421003, 50373421004, 50373421005, 50373421007

METHOD BLANK: 3617322 Matrix: Water
Associated Lab Samples: 50373421002, 50373421003, 50373421004, 50373421005, 50373421007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/17/24 00:41	

LABORATORY CONTROL SAMPLE: 3617323

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 3617324

Parameter	Units	50373430007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	0.72	72	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3617325 3617326

Parameter	Units	50373421005 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	0.26	1	1	1.3	1.3	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 790494
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: 50373421001, 50373421006, 50373421008

METHOD BLANK: 3617327 Matrix: Water
Associated Lab Samples: 50373421001, 50373421006, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/17/24 01:39	

LABORATORY CONTROL SAMPLE: 3617328

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: 3617329 3617330

Parameter	Units	50373430006 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	0.75	0.75	75	75	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 792096
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3625131 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/25/24 20:46	

LABORATORY CONTROL SAMPLE: 3625132

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: 3625133 3625134

Parameter	Units	50373421001 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	2.5	10	10	11.6	11.6	92	91	80-120	1	20	

MATRIX SPIKE SAMPLE: 3625135

Parameter	Units	50373421007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.2	10	11.5	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-105I **Lab ID: 50373421001** Collected: 05/16/24 14:00 Received: 05/16/24 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	**1.74 ± 0.975 (1.34) C:NA T:87%**	pCi/L	06/11/24 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.810 ± 0.407 (0.697) C:77% T:80%**	pCi/L	06/06/24 12:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.55 ± 1.38 (2.04)**	pCi/L	06/17/24 14:36	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-105S **Lab ID: 50373421002** Collected: 05/16/24 11:50 Received: 05/16/24 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	**0.751 ± 0.935 (1.56) C:NA T:80%**	pCi/L	06/11/24 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.874 ± 0.406 (0.672) C:83% T:83%**	pCi/L	06/06/24 12:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.63 ± 1.34 (2.23)**	pCi/L	06/17/24 14:36	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: DUP-7 **Lab ID: 50373421003** Collected: 05/16/24 11:50 Received: 05/16/24 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	**0.415 ± 0.859 (1.51) C:NA T:87%**	pCi/L	06/11/24 14:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.77 ± 0.605 (0.896) C:80% T:84%**	pCi/L	06/06/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.19 ± 1.46 (2.41)**	pCi/L	06/17/24 14:36	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107S **Lab ID: 50373421004** Collected: 05/16/24 10:53 Received: 05/16/24 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	**0.666 ± 0.644 (1.01) C:NA T:88%**	pCi/L	06/11/24 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.867 ± 0.420 (0.742) C:86% T:88%**	pCi/L	06/06/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.53 ± 1.06 (1.75)**	pCi/L	06/17/24 14:36	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107I **Lab ID: 50373421005** Collected: 05/16/24 12:47 Received: 05/16/24 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	**-0.131 ± 0.573 (1.18) C:NA T:89%**	pCi/L	06/11/24 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.612 ± 0.440 (0.865) C:84% T:77%**	pCi/L	06/06/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.612 ± 1.01 (2.05)**	pCi/L	06/17/24 14:36	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-107D **Lab ID: 50373421006** Collected: 05/16/24 14:05 Received: 05/16/24 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	**0.498 ± 0.648 (1.08) C:NA T:87%**	pCi/L	06/11/24 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.756 ± 0.413 (0.754) C:88% T:87%**	pCi/L	06/06/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.25 ± 1.06 (1.83)**	pCi/L	06/17/24 14:36	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-110S **Lab ID: 50373421007** Collected: 05/16/24 13:00 Received: 05/16/24 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	**0.589 ± 0.960 (1.65) C:NA T:88%**	pCi/L	06/11/24 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.0599 ± 0.337 (0.796) C:83% T:81%**	pCi/L	06/06/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.589 ± 1.30 (2.45)**	pCi/L	06/17/24 14:36	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Sample: MW-110D **Lab ID: 50373421008** Collected: 05/16/24 15:15 Received: 05/16/24 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	**0.388 ± 0.719 (1.26) C:NA T:86%**	pCi/L	06/11/24 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.522 ± 0.321 (0.596) C:86% T:91%**	pCi/L	06/06/24 12:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.910 ± 1.04 (1.86)**	pCi/L	06/17/24 14:36	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 670524 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: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3265319 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.193 ± 0.268 (0.448) C:NA T:88%	pCi/L	06/11/24 14:34	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

QC Batch: 670528 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: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

METHOD BLANK: 3265331 Matrix: Water
Associated Lab Samples: 50373421001, 50373421002, 50373421003, 50373421004, 50373421005, 50373421006, 50373421007, 50373421008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.443 ± 0.332 (0.647) C:80% T:85%	pCi/L	06/06/24 12:38	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373421001	**MW-105I**	EPA 9056	791975		
50373421002	**MW-105S**	EPA 9056	791975		
50373421003	**DUP-7**	EPA 9056	791975		
50373421004	**MW-107S**	EPA 9056	791975		
50373421005	**MW-107I**	EPA 9056	791975		
50373421006	**MW-107D**	EPA 9056	791975		
50373421007	**MW-110S**	EPA 9056	791975		
50373421008	**MW-110D**	EPA 9056	791975		
50373421001	**MW-105I**	EPA 3010	790992	EPA 6010	792421
50373421002	**MW-105S**	EPA 3010	790992	EPA 6010	792421
50373421003	**DUP-7**	EPA 3010	790992	EPA 6010	792421
50373421004	**MW-107S**	EPA 3010	790992	EPA 6010	792421
50373421005	**MW-107I**	EPA 3010	790992	EPA 6010	792421
50373421006	**MW-107D**	EPA 3010	790992	EPA 6010	792421
50373421007	**MW-110S**	EPA 3010	790992	EPA 6010	792421
50373421008	**MW-110D**	EPA 3010	790992	EPA 6010	792421
50373421001	**MW-105I**	EPA 3010	791011	EPA 6010	792660
50373421002	**MW-105S**	EPA 3010	791011	EPA 6010	792660
50373421003	**DUP-7**	EPA 3010	791011	EPA 6010	792660
50373421004	**MW-107S**	EPA 3010	791011	EPA 6010	792660
50373421005	**MW-107I**	EPA 3010	791011	EPA 6010	792660
50373421006	**MW-107D**	EPA 3010	791011	EPA 6010	792660
50373421007	**MW-110S**	EPA 3010	791011	EPA 6010	792660
50373421008	**MW-110D**	EPA 3010	791011	EPA 6010	792660
50373421001	**MW-105I**	EPA 200.2	791209	EPA 6020	791461
50373421002	**MW-105S**	EPA 200.2	791209	EPA 6020	791461
50373421003	**DUP-7**	EPA 200.2	791209	EPA 6020	791461
50373421004	**MW-107S**	EPA 200.2	791209	EPA 6020	791461
50373421005	**MW-107I**	EPA 200.2	791209	EPA 6020	791461
50373421006	**MW-107D**	EPA 200.2	791209	EPA 6020	791461
50373421007	**MW-110S**	EPA 200.2	791209	EPA 6020	791461
50373421008	**MW-110D**	EPA 200.2	791209	EPA 6020	791461
50373421001	**MW-105I**	EPA 7470	792325	EPA 7470	792467
50373421002	**MW-105S**	EPA 7470	792325	EPA 7470	792467
50373421003	**DUP-7**	EPA 7470	792325	EPA 7470	792467
50373421004	**MW-107S**	EPA 7470	792325	EPA 7470	792467
50373421005	**MW-107I**	EPA 7470	792325	EPA 7470	792467
50373421006	**MW-107D**	EPA 7470	792325	EPA 7470	792467
50373421007	**MW-110S**	EPA 7470	792325	EPA 7470	792467
50373421008	**MW-110D**	EPA 7470	792325	EPA 7470	792467
50373421001	**MW-105I**	EPA 903.1	670524		
50373421002	**MW-105S**	EPA 903.1	670524		
50373421003	**DUP-7**	EPA 903.1	670524		
50373421004	**MW-107S**	EPA 903.1	670524		
50373421005	**MW-107I**	EPA 903.1	670524		
50373421006	**MW-107D**	EPA 903.1	670524		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373421007	**MW-110S**	EPA 903.1	670524		
50373421008	**MW-110D**	EPA 903.1	670524		
50373421001	**MW-105I**	EPA 904.0	670528		
50373421002	**MW-105S**	EPA 904.0	670528		
50373421003	**DUP-7**	EPA 904.0	670528		
50373421004	**MW-107S**	EPA 904.0	670528		
50373421005	**MW-107I**	EPA 904.0	670528		
50373421006	**MW-107D**	EPA 904.0	670528		
50373421007	**MW-110S**	EPA 904.0	670528		
50373421008	**MW-110D**	EPA 904.0	670528		
50373421001	**MW-105I**	Total Radium Calculation	676315		
50373421002	**MW-105S**	Total Radium Calculation	676315		
50373421003	**DUP-7**	Total Radium Calculation	676315		
50373421004	**MW-107S**	Total Radium Calculation	676315		
50373421005	**MW-107I**	Total Radium Calculation	676315		
50373421006	**MW-107D**	Total Radium Calculation	676315		
50373421007	**MW-110S**	Total Radium Calculation	676315		
50373421008	**MW-110D**	Total Radium Calculation	676315		
50373421001	**MW-105I**	SM 2320B	791238		
50373421002	**MW-105S**	SM 2320B	791238		
50373421003	**DUP-7**	SM 2320B	791238		
50373421004	**MW-107S**	SM 2320B	791238		
50373421005	**MW-107I**	SM 2320B	791238		
50373421006	**MW-107D**	SM 2320B	791238		
50373421007	**MW-110S**	SM 2320B	791238		
50373421008	**MW-110D**	SM 2320B	791238		
50373421001	**MW-105I**	SM 2540C	791304		
50373421002	**MW-105S**	SM 2540C	791304		
50373421003	**DUP-7**	SM 2540C	791304		
50373421004	**MW-107S**	SM 2540C	791304		
50373421005	**MW-107I**	SM 2540C	791304		
50373421006	**MW-107D**	SM 2540C	791304		
50373421007	**MW-110S**	SM 2540C	791304		
50373421008	**MW-110D**	SM 2540C	791304		
50373421001	**MW-105I**	SM 4500-H+B	792516		
50373421002	**MW-105S**	SM 4500-H+B	792516		
50373421003	**DUP-7**	SM 4500-H+B	792516		
50373421004	**MW-107S**	SM 4500-H+B	792516		
50373421005	**MW-107I**	SM 4500-H+B	792516		
50373421006	**MW-107D**	SM 4500-H+B	792516		
50373421007	**MW-110S**	SM 4500-H+B	792516		
50373421008	**MW-110D**	SM 4500-H+B	792516		
50373421001	**MW-105I**	EPA 353.2	790494		
50373421002	**MW-105S**	EPA 353.2	790493		
50373421003	**DUP-7**	EPA 353.2	790493		

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373421

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373421004	**MW-107S**	EPA 353.2	790493		
50373421005	**MW-107I**	EPA 353.2	790493		
50373421006	**MW-107D**	EPA 353.2	790494		
50373421007	**MW-110S**	EPA 353.2	790493		
50373421008	**MW-110D**	EPA 353.2	790494		
50373421001	**MW-105I**	SM 5310C	792096		
50373421002	**MW-105S**	SM 5310C	792096		
50373421003	**DUP-7**	SM 5310C	792096		
50373421004	**MW-107S**	SM 5310C	792096		
50373421005	**MW-107I**	SM 5310C	792096		
50373421006	**MW-107D**	SM 5310C	792096		
50373421007	**MW-110S**	SM 5310C	792096		
50373421008	**MW-110D**	SM 5310C	792096		

Pace

CHAIN-OF-CUSTODY / Analytical Request Dc

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must b

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacela

WO# : 50373421

50373421

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: Atlas	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	Regulatory Agency
Suite 100, Indianapolis, IN 46256		Address:	
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #: P1R2	Pace Profile #: 10498-57	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532					Residual Chlorine (Y/N)	
	MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS																	Requested Analysis Filtered (Y/N)												
1	MW-105I	WT		5-16-24	1400				8	3	1	4							x	x	x	x	x	x	x	x					001
2	MW-105S	WT			1150				8	3	1	4							x	x	x	x	x	x	x	x					002
3	DUP-7	WT			1150				8	3	1	4							x	x	x	x	x	x	x	x					003
4	MW-107S	WT			1053				8	3	1	4							x	x	x	x	x	x	x	x					004
5	MW-107I	WT			1247				8	3	1	4							x	x	x	x	x	x	x	x					005
6	MW-107D	WT			1405				8	3	1	4							x	x	x	x	x	x	x	x					006
7	MW-110S	WT		↓	1300				8	3	1	4							x	x	x	x	x	x	x	x					007
8	MW-110D	WT		5-16-24	1515				8	3	1	4							x	x	x	x	x	x	x	x					008
9		WT																	x	x	x	x	x	x	x	x					~~004~~ RC 5-16-24
10		WT																	x	x	x	x	x	x	x	x					
11		WT																	x	x	x	x	x	x	x	x					
12																			x	x	x	x	x	x	x	x					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	Aaron Day /ATLAS	5-16-24	1700	Maddie	5/16/24	1700	1.3	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Aaron Day		
SIGNATURE of SAMPLER:	Aaron Day	DATE Signed:	5-16-24

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/16/24 1739 MW

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F (G) H
4. **Cooler Temperature(s):** (Initial/Corrected) **RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)**

7.5/7.3	6.8/6.6	0.6/0.4	

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
8. **EZ Bottle Order?** ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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: NO3	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 18:20			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 ____ of ____

Sample Container Count

** Place a RED 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	2	1	1	1								LT	✓	✓		
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 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,

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: Harding Street May 2024 P1R2
Pace Project No.: 50373639

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373639001	**MW-104D**	Water	05/17/24 11:45	05/17/24 15:47
50373639002	**MW-104D MS**	Water	05/17/24 11:45	05/17/24 15:47
50373639003	**MW-104D MSD**	Water	05/17/24 11:45	05/17/24 15:47
50373639004	**MW-109I**	Water	05/17/24 11:50	05/17/24 15:47
50373639005	**MW-109I MS**	Water	05/17/24 11:50	05/17/24 15:47
50373639006	**MW-109I MSD**	Water	05/17/24 11:50	05/17/24 15:47
50373639007	**MW-109D**	Water	05/17/24 10:49	05/17/24 15:47
50373639008	**MW-105D**	Water	05/17/24 11:00	05/17/24 15:47

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373639001	**MW-104D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373639002	**MW-104D MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50373639003	**MW-104D MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50373639004	**MW-109I**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373639005	**MW-109I MS**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50373639006	**MW-109I MSD**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
50373639007	**MW-109D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	JPK	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373639008	**MW-105D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6020	CAW	6	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373639001	**MW-104D**					
EPA 9056	Chloride	203	mg/L	2.5	05/30/24 06:01	
EPA 9056	Fluoride	0.21	mg/L	0.10	05/30/24 05:44	
EPA 9056	Sulfate	567	mg/L	25.0	05/30/24 06:18	
EPA 6010	Barium	51.0	ug/L	10.0	05/30/24 00:05	
EPA 6010	Boron	2990	ug/L	100	05/30/24 00:05	
EPA 6010	Calcium	235000	ug/L	2000	05/30/24 00:31	
EPA 6010	Iron	2210	ug/L	100	05/30/24 00:05	
EPA 6010	Lithium	54.0	ug/L	20.0	05/30/24 00:05	
EPA 6010	Magnesium	65400	ug/L	1000	05/30/24 00:05	
EPA 6010	Manganese	679	ug/L	10.0	05/30/24 00:05	
EPA 6010	Molybdenum	17.7	ug/L	10.0	05/30/24 00:05	
EPA 6010	Potassium	11700	ug/L	1000	05/30/24 00:05	
EPA 6010	Sodium	144000	ug/L	1000	05/30/24 00:05	
EPA 6010	Molybdenum, Dissolved	18.1	ug/L	10.0	05/31/24 00:09	
EPA 6020	Arsenic	1.9	ug/L	1.0	05/24/24 07:32	
EPA 6020	Selenium	1.4	ug/L	1.0	05/24/24 07:32	
EPA 903.1	Radium-226	0.373 ± 0.519 (0.877) C:NA T:92%	pCi/L		06/10/24 14:52	
EPA 904.0	Radium-228	0.388 ± 0.388 (0.802) C:88% T:84%	pCi/L		06/05/24 16:25	
Total Radium Calculation	Total Radium	0.761 ± 0.907 (1.68)	pCi/L		06/11/24 13:21	
SM 2320B	Alkalinity, Total as CaCO3	359	mg/L	10.0	05/24/24 21:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	359	mg/L	10.0	05/24/24 21:25	
SM 2540C	Total Dissolved Solids	1460	mg/L	20.0	05/23/24 07:25	
SM 4500-H+B	pH at 25 Degrees C	7.1	Std. Units	0.10	06/04/24 13:39	H3
EPA 353.2	Nitrogen, Nitrate	0.19	mg/L	0.10	05/18/24 00:05	
SM 5310C	Dissolved Organic Carbon	2.2	mg/L	1.0	05/31/24 21:32	
50373639002	**MW-104D MS**					
EPA 903.1	Radium-226	91.83 %REC ± NA (NA) C:NA T:NA	pCi/L		06/10/24 14:52	
EPA 904.0	Radium-228	90.82 %REC ± NA (NA) C:NA T:NA	pCi/L		06/05/24 16:27	
50373639003	**MW-104D MSD**					
EPA 903.1	Radium-226	106.11 %REC 14.42RPD ± NA (NA) C:NA T:NA	pCi/L		06/10/24 14:52	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373639003	**MW-104D MSD**					
EPA 904.0	Radium-228	94.98 %REC 4.48RPD ± NA (NA) C:NA T:NA	pCi/L		06/05/24 16:27	
50373639004	**MW-109I**					
EPA 9056	Chloride	84.3	mg/L	2.5	05/30/24 09:07	
EPA 9056	Sulfate	194	mg/L	2.5	05/30/24 09:07	
EPA 6010	Barium	181	ug/L	10.0	05/30/24 00:10	
EPA 6010	Boron	857	ug/L	100	05/30/24 00:10	
EPA 6010	Calcium	182000	ug/L	1000	05/30/24 00:10	
EPA 6010	Iron	8380	ug/L	100	05/30/24 00:10	
EPA 6010	Magnesium	45900	ug/L	1000	05/30/24 00:10	
EPA 6010	Manganese	719	ug/L	10.0	05/30/24 00:10	
EPA 6010	Potassium	4890	ug/L	1000	05/30/24 00:10	
EPA 6010	Sodium	50900	ug/L	1000	05/30/24 00:10	
EPA 6020	Arsenic	3.1	ug/L	1.0	05/24/24 07:57	
EPA 903.1	Radium-226	1.24 ± 0.625 (0.803) C:NA T:88%	pCi/L		06/10/24 14:52	
EPA 904.0	Radium-228	0.702 ± 0.383 (0.673) C:83% T:86%	pCi/L		06/05/24 16:27	
Total Radium Calculation	Total Radium	1.94 ± 1.01 (1.48)	pCi/L		06/11/24 13:21	
SM 2320B	Alkalinity, Total as CaCO3	485	mg/L	10.0	05/24/24 21:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	485	mg/L	10.0	05/24/24 21:25	
SM 2540C	Total Dissolved Solids	874	mg/L	20.0	05/23/24 07:25	
SM 4500-H+B	pH at 25 Degrees C	7.0	Std. Units	0.10	06/04/24 13:41	H3
SM 5310C	Dissolved Organic Carbon	5.2	mg/L	1.0	05/31/24 22:07	
50373639005	**MW-109I MS**					
EPA 903.1	Radium-226	115.94 %REC ± NA (NA) C:NA T:NA	pCi/L		06/10/24 14:52	
EPA 904.0	Radium-228	102.44 %REC ± NA (NA) C:NA T:NA	pCi/L		06/05/24 16:27	
50373639006	**MW-109I MSD**					
EPA 903.1	Radium-226	125.06 %REC 7.57RPD ± NA (NA) C:NA T:NA	pCi/L		06/10/24 15:04	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373639006	**MW-109I MSD**					
EPA 904.0	Radium-228	85.42 %REC 18.11RPD ± NA (NA) C:NA T:NA	pCi/L		06/05/24 16:27	
50373639007	**MW-109D**					
EPA 9056	Chloride	107	mg/L	2.5	05/29/24 20:11	
EPA 9056	Fluoride	0.16	mg/L	0.10	05/29/24 19:55	
EPA 9056	Sulfate	65.8	mg/L	2.5	05/29/24 20:11	
EPA 6010	Barium	75.6	ug/L	10.0	05/30/24 00:15	
EPA 6010	Boron	746	ug/L	100	05/30/24 00:15	
EPA 6010	Calcium	89800	ug/L	1000	05/30/24 00:15	
EPA 6010	Iron	1720	ug/L	100	05/30/24 00:15	
EPA 6010	Magnesium	22200	ug/L	1000	05/30/24 00:15	
EPA 6010	Manganese	78.6	ug/L	10.0	05/30/24 00:15	
EPA 6010	Potassium	2660	ug/L	1000	05/30/24 00:15	
EPA 6010	Sodium	59400	ug/L	1000	05/30/24 00:15	
EPA 6020	Arsenic	1.7	ug/L	1.0	05/24/24 08:29	
EPA 903.1	Radium-226	0.000 ± 0.719 (1.36) C:NA T:90%	pCi/L		06/10/24 15:04	
EPA 904.0	Radium-228	0.382 ± 0.396 (0.817) C:81% T:80%	pCi/L		06/05/24 16:28	
Total Radium Calculation	Total Radium	0.382 ± 1.12 (2.18)	pCi/L		06/11/24 13:21	
SM 2320B	Alkalinity, Total as CaCO3	258	mg/L	10.0	05/24/24 21:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	10.0	05/24/24 21:25	
SM 2540C	Total Dissolved Solids	519	mg/L	10.0	05/23/24 07:26	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	06/04/24 13:42	H3
SM 5310C	Dissolved Organic Carbon	2.6	mg/L	1.0	05/31/24 22:41	
50373639008	**MW-105D**					
EPA 9056	Chloride	119	mg/L	2.5	05/29/24 20:45	
EPA 9056	Fluoride	0.30	mg/L	0.10	05/29/24 20:28	
EPA 9056	Sulfate	150	mg/L	2.5	05/29/24 20:45	
EPA 6010	Barium	255	ug/L	10.0	05/30/24 00:20	
EPA 6010	Boron	1640	ug/L	100	05/30/24 00:20	
EPA 6010	Calcium	110000	ug/L	1000	05/30/24 00:20	
EPA 6010	Iron	4380	ug/L	100	05/30/24 00:20	
EPA 6010	Lithium	23.9	ug/L	20.0	05/30/24 00:20	
EPA 6010	Magnesium	28600	ug/L	1000	05/30/24 00:20	
EPA 6010	Manganese	126	ug/L	10.0	05/30/24 00:20	
EPA 6010	Molybdenum	12.3	ug/L	10.0	05/30/24 00:20	
EPA 6010	Potassium	5540	ug/L	1000	05/30/24 00:20	
EPA 6010	Sodium	74500	ug/L	1000	05/30/24 00:20	
EPA 6010	Molybdenum, Dissolved	13.5	ug/L	10.0	05/31/24 00:21	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373639008	**MW-105D**					
EPA 6020	Arsenic	3.7	ug/L	1.0	05/24/24 08:32	
EPA 903.1	Radium-226	1.01 ± 0.812 (1.23) C:NA T:88%	pCi/L		06/10/24 15:04	
EPA 904.0	Radium-228	1.23 ± 0.603 (1.08) C:80% T:80%	pCi/L		06/05/24 16:28	
Total Radium Calculation	Total Radium	2.24 ± 1.42 (2.31)	pCi/L		06/11/24 13:21	
SM 2320B	Alkalinity, Total as CaCO3	275	mg/L	10.0	05/24/24 21:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	275	mg/L	10.0	05/24/24 21:25	
SM 2540C	Total Dissolved Solids	675	mg/L	10.0	05/23/24 07:26	
SM 4500-H+B	pH at 25 Degrees C	6.9	Std. Units	0.10	06/04/24 13:43	H3
EPA 353.2	Nitrogen, Nitrate	0.10	mg/L	0.10	05/18/24 00:22	
SM 5310C	Dissolved Organic Carbon	3.0	mg/L	1.0	05/31/24 22:58	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-104D **Lab ID: 50373639001** Collected: 05/17/24 11:45 Received: 05/17/24 15:47 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	**203**	mg/L	2.5	0.67	10		05/30/24 06:01	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.017	1		05/30/24 05:44	16984-48-8	
Sulfate	**567**	mg/L	25.0	19.0	100		05/30/24 06:18	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**51.0**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:05	7440-39-3	
Boron	**2990**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:05	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:05	7440-43-9	
Calcium	**235000**	ug/L	2000	135	2	05/23/24 07:39	05/30/24 00:31	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:05	7440-47-3	
Iron	**2210**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:05	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:05	7439-92-1	
Lithium	**54.0**	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:05	7439-93-2	
Magnesium	**65400**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:05	7439-95-4	
Manganese	**679**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:05	7439-96-5	
Molybdenum	**17.7**	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:05	7439-98-7	
Potassium	**11700**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:05	7440-09-7	
Sodium	**144000**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:05	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**18.1**	ug/L	10.0	0.78	1	05/23/24 07:39	05/31/24 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	0.49	1	05/23/24 07:32	05/24/24 07:32	7440-36-0	
Arsenic	**1.9**	ug/L	1.0	0.075	1	05/23/24 07:32	05/24/24 07:32	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/23/24 07:32	05/28/24 23:32	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/23/24 07:32	05/24/24 07:32	7440-48-4	
Selenium	**1.4**	ug/L	1.0	0.20	1	05/23/24 07:32	05/24/24 07:32	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/23/24 07:32	05/24/24 07:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/29/24 21:05	05/30/24 10:28	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**359**	mg/L	10.0	10.0	1		05/24/24 21:25		
Alkalinity,Bicarbonate (CaCO3)	**359**	mg/L	10.0	10.0	1		05/24/24 21:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 21:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-104D **Lab ID: 50373639001** Collected: 05/17/24 11:45 Received: 05/17/24 15:47 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	**1460**	mg/L	20.0	20.0	1		05/23/24 07:25		
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		06/04/24 13:39		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		05/18/24 00:05	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		05/31/24 21:32		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109I **Lab ID: 50373639004** Collected: 05/17/24 11:50 Received: 05/17/24 15:47 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	**84.3**	mg/L	2.5	0.67	10		05/30/24 09:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		05/30/24 08:50	16984-48-8	
Sulfate	**194**	mg/L	2.5	1.9	10		05/30/24 09:07	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**181**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:10	7440-39-3	
Boron	**857**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:10	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:10	7440-43-9	
Calcium	**182000**	ug/L	1000	67.7	1	05/23/24 07:39	05/30/24 00:10	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:10	7440-47-3	
Iron	**8380**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:10	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:10	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:10	7439-93-2	
Magnesium	**45900**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:10	7439-95-4	
Manganese	**719**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:10	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:10	7439-98-7	
Potassium	**4890**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:10	7440-09-7	
Sodium	**50900**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:10	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	0.78	1	05/23/24 07:39	05/31/24 00:14	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	0.49	1	05/23/24 07:32	05/24/24 07:57	7440-36-0	
Arsenic	**3.1**	ug/L	1.0	0.075	1	05/23/24 07:32	05/24/24 07:57	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/23/24 07:32	05/29/24 00:00	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/23/24 07:32	05/24/24 07:57	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/23/24 07:32	05/24/24 07:57	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/23/24 07:32	05/24/24 07:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/29/24 21:05	05/30/24 10:35	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**485**	mg/L	10.0	10.0	1		05/24/24 21:25		
Alkalinity,Bicarbonate (CaCO3)	**485**	mg/L	10.0	10.0	1		05/24/24 21:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 21:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109I **Lab ID: 50373639004** Collected: 05/17/24 11:50 Received: 05/17/24 15:47 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	**874**	mg/L	20.0	20.0	1		05/23/24 07:25		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		06/04/24 13:41		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		05/18/24 00:13	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**5.2**	mg/L	1.0	0.25	1		05/31/24 22:07		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109D **Lab ID: 50373639007** Collected: 05/17/24 10:49 Received: 05/17/24 15:47 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	**107**	mg/L	2.5	0.67	10		05/29/24 20:11	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.017	1		05/29/24 19:55	16984-48-8	
Sulfate	**65.8**	mg/L	2.5	1.9	10		05/29/24 20:11	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**75.6**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:15	7440-39-3	
Boron	**746**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:15	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:15	7440-43-9	
Calcium	**89800**	ug/L	1000	67.7	1	05/23/24 07:39	05/30/24 00:15	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:15	7440-47-3	
Iron	**1720**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:15	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:15	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:15	7439-93-2	
Magnesium	**22200**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:15	7439-95-4	
Manganese	**78.6**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:15	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:15	7439-98-7	
Potassium	**2660**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:15	7440-09-7	
Sodium	**59400**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:15	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	0.78	1	05/23/24 07:39	05/31/24 00:19	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	0.49	1	05/23/24 07:32	05/24/24 08:29	7440-36-0	
Arsenic	**1.7**	ug/L	1.0	0.075	1	05/23/24 07:32	05/24/24 08:29	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/23/24 07:32	05/29/24 00:12	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/23/24 07:32	05/24/24 08:29	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/23/24 07:32	05/24/24 08:29	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/23/24 07:32	05/24/24 08:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/29/24 21:05	05/30/24 10:50	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		05/24/24 21:25		
Alkalinity,Bicarbonate (CaCO3)	**258**	mg/L	10.0	10.0	1		05/24/24 21:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 21:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109D **Lab ID: 50373639007** Collected: 05/17/24 10:49 Received: 05/17/24 15:47 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	**519**	mg/L	10.0	10.0	1		05/23/24 07:26		
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		06/04/24 13:42		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		05/18/24 00:11	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		05/31/24 22:41		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-105D **Lab ID: 50373639008** Collected: 05/17/24 11:00 Received: 05/17/24 15:47 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	**119**	mg/L	2.5	0.67	10		05/29/24 20:45	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	0.017	1		05/29/24 20:28	16984-48-8	
Sulfate	**150**	mg/L	2.5	1.9	10		05/29/24 20:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**255**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:20	7440-39-3	
Boron	**1640**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:20	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:20	7440-43-9	
Calcium	**110000**	ug/L	1000	67.7	1	05/23/24 07:39	05/30/24 00:20	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:20	7440-47-3	
Iron	**4380**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:20	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:20	7439-92-1	
Lithium	**23.9**	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:20	7439-93-2	
Magnesium	**28600**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:20	7439-95-4	
Manganese	**126**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:20	7439-96-5	
Molybdenum	**12.3**	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:20	7439-98-7	
Potassium	**5540**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:20	7440-09-7	
Sodium	**74500**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:20	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**13.5**	ug/L	10.0	0.78	1	05/23/24 07:39	05/31/24 00:21	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	0.49	1	05/23/24 07:32	05/24/24 08:32	7440-36-0	
Arsenic	**3.7**	ug/L	1.0	0.075	1	05/23/24 07:32	05/24/24 08:32	7440-38-2	
Beryllium	ND	ug/L	0.20	0.035	1	05/23/24 07:32	05/29/24 00:16	7440-41-7	
Cobalt	ND	ug/L	1.0	0.046	1	05/23/24 07:32	05/24/24 08:32	7440-48-4	
Selenium	ND	ug/L	1.0	0.20	1	05/23/24 07:32	05/24/24 08:32	7782-49-2	
Thallium	ND	ug/L	1.0	0.040	1	05/23/24 07:32	05/24/24 08:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.12	1	05/29/24 21:05	05/30/24 10:52	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		05/24/24 21:25		
Alkalinity,Bicarbonate (CaCO3)	**275**	mg/L	10.0	10.0	1		05/24/24 21:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 21:25		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-105D **Lab ID: 50373639008** Collected: 05/17/24 11:00 Received: 05/17/24 15:47 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	**675**	mg/L	10.0	10.0	1		05/23/24 07:26		
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		06/04/24 13:43		H3
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Indianapolis								
Nitrogen, Nitrate	**0.10**	mg/L	0.10	0.013	1		05/18/24 00:22	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	**3.0**	mg/L	1.0	0.25	1		05/31/24 22:58		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 792277
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3626003 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/29/24 12:48	
Fluoride	mg/L	ND	0.10	0.017	05/29/24 12:48	
Sulfate	mg/L	ND	0.25	0.19	05/29/24 12:48	

LABORATORY CONTROL SAMPLE: 3626004

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	1.1	108	80-120	
Sulfate	mg/L	5	5.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626005 3626006

Parameter	Units	50373639001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	203	25	25	231	230	112	109	80-120	0	15	
Fluoride	mg/L	0.21	1	1	1.4	1.4	115	119	80-120	3	15	
Sulfate	mg/L	567	500	500	1070	1070	101	101	80-120	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626007 3626008

Parameter	Units	50373639004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	84.3	25	25	106	106	85	85	80-120	0	15	
Fluoride	mg/L	ND	1	1	1.1	1.1	101	100	80-120	1	15	
Sulfate	mg/L	194	50	50	236	236	84	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 792411
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3626353 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	05/30/24 09:48	

LABORATORY CONTROL SAMPLE: 3626354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626355 3626356

Parameter	Units	50373532003 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	4.7	95	92	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626357 3626358

Parameter	Units	50373639001 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	4.6	4.8	91	95	75-125	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626359 3626360

Parameter	Units	50373639004 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	4.7	96	93	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 791000
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3619565 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/29/24 23:40	
Boron	ug/L	ND	100	6.2	05/29/24 23:40	
Cadmium	ug/L	ND	2.0	0.60	05/29/24 23:40	
Calcium	ug/L	ND	1000	67.7	05/29/24 23:40	
Chromium	ug/L	ND	10.0	0.42	05/29/24 23:40	
Iron	ug/L	ND	100	30.0	05/29/24 23:40	
Lead	ug/L	ND	10.0	2.5	05/29/24 23:40	
Lithium	ug/L	ND	20.0	6.8	05/29/24 23:40	
Magnesium	ug/L	ND	1000	33.6	05/29/24 23:40	
Manganese	ug/L	ND	10.0	1.8	05/29/24 23:40	
Molybdenum	ug/L	ND	10.0	0.78	05/29/24 23:40	
Potassium	ug/L	ND	1000	97.8	05/29/24 23:40	
Sodium	ug/L	ND	1000	54.8	05/29/24 23:40	

LABORATORY CONTROL SAMPLE: 3619566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	974	97	80-120	
Boron	ug/L	1000	967	97	80-120	
Cadmium	ug/L	1000	984	98	80-120	
Calcium	ug/L	10000	9970	100	80-120	
Chromium	ug/L	1000	982	98	80-120	
Iron	ug/L	10000	9850	99	80-120	
Lead	ug/L	1000	977	98	80-120	
Lithium	ug/L	1000	1020	102	80-120	
Magnesium	ug/L	10000	9930	99	80-120	
Manganese	ug/L	1000	1010	101	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9610	96	80-120	
Sodium	ug/L	10000	9410	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619567 3619568

Parameter	Units	50373591001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	<100	1000	1000	1010	1010	99	99	75-125	0	20	
Boron	ug/L	377	1000	1000	1380	1400	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619567 3619568

Parameter	Units	50373591001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	<2.0	1000	1000	1010	1010	101	101	75-125	0	20	
Calcium	ug/L	151000	10000	10000	156000	158000	49	76	75-125	2	20	P6
Chromium	ug/L	<10.0	1000	1000	980	979	98	98	75-125	0	20	
Iron	ug/L	1490	10000	10000	11300	11300	98	99	75-125	1	20	
Lead	ug/L	<10.0	1000	1000	972	966	97	97	75-125	1	20	
Lithium	ug/L	<20.0	1000	1000	1060	1040	105	103	75-125	2	20	
Magnesium	ug/L	18200	10000	10000	27400	27800	93	96	75-125	1	20	
Manganese	ug/L	56.8	1000	1000	1060	1070	100	101	75-125	1	20	
Molybdenum	ug/L	20.3	1000	1000	1050	1050	103	103	75-125	0	20	
Potassium	ug/L	2150	10000	10000	12100	11800	99	96	75-125	2	20	
Sodium	ug/L	72500	10000	10000	80800	81100	82	86	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619569 3619570

Parameter	Units	50373639001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	51.0	1000	1000	1050	1050	100	100	75-125	0	20	
Boron	ug/L	2990	1000	1000	4060	3980	107	98	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	1040	1030	104	103	75-125	1	20	
Calcium	ug/L	235000	10000	10000	238000	237000	30	19	75-125	0	20	P6
Chromium	ug/L	ND	1000	1000	997	986	100	99	75-125	1	20	
Iron	ug/L	2210	10000	10000	12100	12000	99	98	75-125	2	20	
Lead	ug/L	ND	1000	1000	975	962	97	96	75-125	1	20	
Lithium	ug/L	54.0	1000	1000	1080	1100	103	104	75-125	1	20	
Magnesium	ug/L	65400	10000	10000	74800	73200	94	78	75-125	2	20	
Manganese	ug/L	679	1000	1000	1680	1660	100	98	75-125	1	20	
Molybdenum	ug/L	17.7	1000	1000	1070	1060	105	104	75-125	1	20	
Potassium	ug/L	11700	10000	10000	21300	21400	95	97	75-125	1	20	
Sodium	ug/L	144000	10000	10000	151000	150000	61	58	75-125	0	20	P6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619571 3619572

Parameter	Units	50373639004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	181	1000	1000	1170	1160	99	98	75-125	1	20	
Boron	ug/L	857	1000	1000	1880	1870	103	101	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	1020	1010	102	101	75-125	1	20	
Calcium	ug/L	182000	10000	10000	190000	187000	86	56	75-125	2	20	P6
Chromium	ug/L	ND	1000	1000	989	981	99	98	75-125	1	20	
Iron	ug/L	8380	10000	10000	18300	18100	99	97	75-125	1	20	
Lead	ug/L	ND	1000	1000	972	962	97	96	75-125	1	20	
Lithium	ug/L	ND	1000	1000	1060	1030	104	102	75-125	2	20	
Magnesium	ug/L	45900	10000	10000	55300	54700	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619571 3619572

Parameter	Units	50373639004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Manganese	ug/L	719	1000	1000	1730	1700	101	99	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1040	1030	103	102	75-125	1	20	
Potassium	ug/L	4890	10000	10000	14900	14600	100	97	75-125	2	20	
Sodium	ug/L	50900	10000	10000	60900	59400	100	85	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 791010
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3619615 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	0.78	05/30/24 22:38	

LABORATORY CONTROL SAMPLE: 3619616

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: 3619617 3619618

Parameter	Units	50373382002 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	1040	103	103	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619619 3619620

Parameter	Units	50373639001 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	18.1	1000	1000	1050	1060	103	104	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619621 3619622

Parameter	Units	50373639004 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	1030	105	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 791516
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3621859 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.49	05/24/24 07:24	
Arsenic	ug/L	ND	1.0	0.075	05/24/24 07:24	
Beryllium	ug/L	ND	0.20	0.035	05/28/24 23:24	
Cobalt	ug/L	ND	1.0	0.046	05/24/24 07:24	
Selenium	ug/L	ND	1.0	0.20	05/24/24 07:24	
Thallium	ug/L	ND	1.0	0.040	05/24/24 07:24	

LABORATORY CONTROL SAMPLE: 3621860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.8	104	80-120	
Arsenic	ug/L	40	38.4	96	80-120	
Beryllium	ug/L	40	39.5	99	80-120	
Cobalt	ug/L	40	40.2	101	80-120	
Selenium	ug/L	40	39.6	99	80-120	
Thallium	ug/L	40	40.6	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3621861 3621862

Parameter	Units	50373639001 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	41.1	42.0	103	105	75-125	2	20	
Arsenic	ug/L	1.9	40	40	40.4	40.8	96	97	75-125	1	20	
Beryllium	ug/L	ND	40	40	40.1	39.7	100	99	75-125	1	20	
Cobalt	ug/L	ND	40	40	37.8	37.8	93	93	75-125	0	20	
Selenium	ug/L	1.4	40	40	40.7	40.9	98	99	75-125	1	20	
Thallium	ug/L	ND	40	40	41.9	41.9	105	105	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3621863 3621864

Parameter	Units	50373639004 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	42.3	106	106	75-125	0	20	
Arsenic	ug/L	3.1	40	40	41.8	41.0	97	95	75-125	2	20	
Beryllium	ug/L	ND	40	40	36.2	36.6	91	92	75-125	1	20	
Cobalt	ug/L	ND	40	40	37.5	37.7	93	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3621863 3621864

Parameter	Units	50373639004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Selenium	ug/L	ND	40	40	39.2	39.4	98	98	75-125	0	20	
Thallium	ug/L	ND	40	40	41.8	42.2	104	106	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 792034
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3624744 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/24/24 21:25	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/24/24 21:25	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/24/24 21:25	

LABORATORY CONTROL SAMPLE: 3624745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	90-110	

SAMPLE DUPLICATE: 3624746

Parameter	Units	50373639001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	359	365	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	359	365	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3624747

Parameter	Units	50373639004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	485	495	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	485	495	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3624748

Parameter	Units	50373647004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	320	329	3	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	320	329	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 791559
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3622126 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/23/24 07:21	

LABORATORY CONTROL SAMPLE: 3622129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	286	95	80-120	

SAMPLE DUPLICATE: 3622127

Parameter	Units	50373639001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1460	1470	1	10	

SAMPLE DUPLICATE: 3622128

Parameter	Units	50373639004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	874	886	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 793420
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: 50373639001, 50373639004, 50373639007, 50373639008

SAMPLE DUPLICATE: 3630507

Parameter	Units	50373639001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.1	7.1	0	2	H3

SAMPLE DUPLICATE: 3630508

Parameter	Units	50373639004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	6.9	1	2	H3

SAMPLE DUPLICATE: 3630509

Parameter	Units	50373647004 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 790707
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: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3618430 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/17/24 23:58	

LABORATORY CONTROL SAMPLE: 3618431

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: 3619369 3619370

Parameter	Units	50373639001 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	0.19	1	1	1.2	1.2	99	99	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619371 3619372

Parameter	Units	50373639004 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	0.73	0.74	73	74	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 793085
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

METHOD BLANK: 3628903 Matrix: Water
Associated Lab Samples: 50373639001, 50373639004, 50373639007, 50373639008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/31/24 20:13	

LABORATORY CONTROL SAMPLE: 3628904

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: 3628905 3628906

Parameter	Units	50373639001 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	2.2	10	10	11.4	11.8	91	95	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3628907 3628908

Parameter	Units	50373639004 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	5.2	10	10	14.4	14.6	92	93	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3628909 3628910

Parameter	Units	50373647004 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	1.8	10	10	11.2	11.3	95	96	80-120	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-104D **Lab ID: 50373639001** Collected: 05/17/24 11:45 Received: 05/17/24 15:47 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	**0.373 ± 0.519 (0.877) C:NA T:92%**	pCi/L	06/10/24 14:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.388 ± 0.388 (0.802) C:88% T:84%**	pCi/L	06/05/24 16:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.761 ± 0.907 (1.68)**	pCi/L	06/11/24 13:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-104D MS **Lab ID: 50373639002** Collected: 05/17/24 11:45 Received: 05/17/24 15:47 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	**91.83 %REC ± NA (NA) C:NA T:NA**	pCi/L	06/10/24 14:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**90.82 %REC ± NA (NA) C:NA T:NA**	pCi/L	06/05/24 16:27	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-104D MSD **Lab ID: 50373639003** Collected: 05/17/24 11:45 Received: 05/17/24 15:47 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	**106.11 %REC 14.42RPD ± NA (NA) C:NA T:NA**	pCi/L	06/10/24 14:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**94.98 %REC 4.48RPD ± NA (NA) C:NA T:NA**	pCi/L	06/05/24 16:27	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109I **Lab ID: 50373639004** Collected: 05/17/24 11:50 Received: 05/17/24 15:47 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	**1.24 ± 0.625 (0.803) C:NA T:88%**	pCi/L	06/10/24 14:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.702 ± 0.383 (0.673) C:83% T:86%**	pCi/L	06/05/24 16:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.94 ± 1.01 (1.48)**	pCi/L	06/11/24 13:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109I MS **Lab ID: 50373639005** Collected: 05/17/24 11:50 Received: 05/17/24 15:47 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	**115.94 %REC ± NA (NA) C:NA T:NA**	pCi/L	06/10/24 14:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**102.44 %REC ± NA (NA) C:NA T:NA**	pCi/L	06/05/24 16:27	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109I MSD **Lab ID: 50373639006** Collected: 05/17/24 11:50 Received: 05/17/24 15:47 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to one of two bottles of the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**125.06 %REC 7.57RPD ± NA (NA) C:NA T:NA**	pCi/L	06/10/24 15:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**85.42 %REC 18.11RPD ± NA (NA) C:NA T:NA**	pCi/L	06/05/24 16:27	15262-20-1	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-109D **Lab ID: 50373639007** Collected: 05/17/24 10:49 Received: 05/17/24 15:47 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 ± 0.719 (1.36) C:NA T:90%**	pCi/L	06/10/24 15:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.382 ± 0.396 (0.817) C:81% T:80%**	pCi/L	06/05/24 16:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.382 ± 1.12 (2.18)**	pCi/L	06/11/24 13:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Sample: MW-105D **Lab ID: 50373639008** Collected: 05/17/24 11:00 Received: 05/17/24 15:47 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 ± 0.812 (1.23) C:NA T:88%**	pCi/L	06/10/24 15:04	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.23 ± 0.603 (1.08) C:80% T:80%**	pCi/L	06/05/24 16:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.24 ± 1.42 (2.31)**	pCi/L	06/11/24 13:21	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 670811
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: 50373639001, 50373639002, 50373639003, 50373639004, 50373639005, 50373639006, 50373639007, 50373639008

METHOD BLANK: 3266846 Matrix: Water
Associated Lab Samples: 50373639001, 50373639002, 50373639003, 50373639004, 50373639005, 50373639006, 50373639007, 50373639008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.615 ± 0.355 (0.646) C:90% T:90%	pCi/L	06/05/24 16:25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

QC Batch: 670810
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: 50373639001, 50373639002, 50373639003, 50373639004, 50373639005, 50373639006, 50373639007, 50373639008

METHOD BLANK: 3266845 Matrix: Water
Associated Lab Samples: 50373639001, 50373639002, 50373639003, 50373639004, 50373639005, 50373639006, 50373639007, 50373639008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0877 ± 0.200 (0.323) C:NA T:97%	pCi/L	06/10/24 14:39	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373639001	**MW-104D**	EPA 9056	792277		
50373639004	**MW-109I**	EPA 9056	792277		
50373639007	**MW-109D**	EPA 9056	792277		
50373639008	**MW-105D**	EPA 9056	792277		
50373639001	**MW-104D**	EPA 3010	791000	EPA 6010	792689
50373639004	**MW-109I**	EPA 3010	791000	EPA 6010	792689
50373639007	**MW-109D**	EPA 3010	791000	EPA 6010	792689
50373639008	**MW-105D**	EPA 3010	791000	EPA 6010	792689
50373639001	**MW-104D**	EPA 3010	791010	EPA 6010	792947
50373639004	**MW-109I**	EPA 3010	791010	EPA 6010	792947
50373639007	**MW-109D**	EPA 3010	791010	EPA 6010	792947
50373639008	**MW-105D**	EPA 3010	791010	EPA 6010	792947
50373639001	**MW-104D**	EPA 200.2	791516	EPA 6020	791796
50373639004	**MW-109I**	EPA 200.2	791516	EPA 6020	791796
50373639007	**MW-109D**	EPA 200.2	791516	EPA 6020	791796
50373639008	**MW-105D**	EPA 200.2	791516	EPA 6020	791796
50373639001	**MW-104D**	EPA 7470	792411	EPA 7470	792713
50373639004	**MW-109I**	EPA 7470	792411	EPA 7470	792713
50373639007	**MW-109D**	EPA 7470	792411	EPA 7470	792713
50373639008	**MW-105D**	EPA 7470	792411	EPA 7470	792713
50373639001	**MW-104D**	EPA 903.1	670810		
50373639002	**MW-104D MS**	EPA 903.1	670810		
50373639003	**MW-104D MSD**	EPA 903.1	670810		
50373639004	**MW-109I**	EPA 903.1	670810		
50373639005	**MW-109I MS**	EPA 903.1	670810		
50373639006	**MW-109I MSD**	EPA 903.1	670810		
50373639007	**MW-109D**	EPA 903.1	670810		
50373639008	**MW-105D**	EPA 903.1	670810		
50373639001	**MW-104D**	EPA 904.0	670811		
50373639002	**MW-104D MS**	EPA 904.0	670811		
50373639003	**MW-104D MSD**	EPA 904.0	670811		
50373639004	**MW-109I**	EPA 904.0	670811		
50373639005	**MW-109I MS**	EPA 904.0	670811		
50373639006	**MW-109I MSD**	EPA 904.0	670811		
50373639007	**MW-109D**	EPA 904.0	670811		
50373639008	**MW-105D**	EPA 904.0	670811		
50373639001	**MW-104D**	Total Radium Calculation	674852		
50373639004	**MW-109I**	Total Radium Calculation	674852		
50373639007	**MW-109D**	Total Radium Calculation	674852		
50373639008	**MW-105D**	Total Radium Calculation	674852		
50373639001	**MW-104D**	SM 2320B	792034		
50373639004	**MW-109I**	SM 2320B	792034		
50373639007	**MW-109D**	SM 2320B	792034		
50373639008	**MW-105D**	SM 2320B	792034		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373639

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373639001	**MW-104D**	SM 2540C	791559		
50373639004	**MW-109I**	SM 2540C	791559		
50373639007	**MW-109D**	SM 2540C	791559		
50373639008	**MW-105D**	SM 2540C	791559		
50373639001	**MW-104D**	SM 4500-H+B	793420		
50373639004	**MW-109I**	SM 4500-H+B	793420		
50373639007	**MW-109D**	SM 4500-H+B	793420		
50373639008	**MW-105D**	SM 4500-H+B	793420		
50373639001	**MW-104D**	EPA 353.2	790707		
50373639004	**MW-109I**	EPA 353.2	790707		
50373639007	**MW-109D**	EPA 353.2	790707		
50373639008	**MW-105D**	EPA 353.2	790707		
50373639001	**MW-104D**	SM 5310C	793085		
50373639004	**MW-109I**	SM 5310C	793085		
50373639007	**MW-109D**	SM 5310C	793085		
50373639008	**MW-105D**	SM 5310C	793085		

CHAIN-OF-CUSTODY / Analytical Request Doc

WO# : 50373639

50373639

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs

Section A	Section B	Section C	
Required Client Information:	Required Project Information:	Invoice Information:	
Company: Atlas	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	Regulatory Agency
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #: PIR2	Pace Profile #: 10498-57	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532					Residual Chlorine (Y/N)	
1	MW-104D	WT		5-17-24	1145				8	3	1	4						X	X	X	X	X	X	X	X					001 002 003
2	MS-3	WT			1145				8	3	1	4						X	X	X	X	X	X	X	X					
3	MSD-3	WT			1145				8	3	1	4						X	X	X	X	X	X	X	X					
4	MW-109I	WT			1150				8	3	1	4						X	X	X	X	X	X	X	X					004 005 006
5	MS-4	WT			1150				8	3	1	4						X	X	X	X	X	X	X	X					
6	MSD-4	WT			1150				8	3	1	4						X	X	X	X	X	X	X	X					
7	MW-109D	WT			1049				8	3	1	4						X	X	X	X	X	X	X	X					007
8	~~MW-105D~~	WT		5-17-24	1326				8									X	X	X	X	X	X	X	X					
9	MW-105D	WT		5-17-24	1100				8	3	1	4						X	X	X	X	X	X	X	X					008
10		WT																X	X	X	X	X	X	X	X					
11		WT																X	X	X	X	X	X	X	X					
12																		X	X	X	X	X	X	X	X					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILL JR / ATAS	5.17.24	1547		5-17-24	13:47	1.6	y	N	y
6020 - Be,Co, As, Se, Sb, Tl (6)							1.1			
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: JOHN A. MAGILL JR			
SIGNATURE of SAMPLER:	DATE Signed: 5.17.24	TEMP in C	Received on Ice (Y/N)
		Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/17/24 1635-MDW

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D (E) F G H
4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

1.6/1.6	1.1/1.1		

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
8. **EZ Bottle Order?** ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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: 1701		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

MDW 5/17/24

** Place a RED 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					1145		5-17-24			MW-104D			+3			5	2	3	3	+3								WT	✓	✓		
2					1100		5-17-24			MW-105D			1			2	2	1	1	1												
3					1150					MW-109I			3			6	6	3	3	3												
4					1049		↓			MW-109D			1			2	2	1	1	1								↓	↓	↓		
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 20, 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,

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: Harding Street May 2024 P1R2
Pace Project No.: 50373655

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373655001	**PZ-100D**	Water	05/20/24 14:32	05/20/24 17:52
50373655002	**DUP-5**	Water	05/20/24 14:32	05/20/24 17:52
50373655003	**MW-102D**	Water	05/20/24 11:15	05/20/24 17:52
50373655004	**DUP-6**	Water	05/20/24 11:15	05/20/24 17:52
50373655005	**MW-108S**	Water	05/20/24 14:38	05/20/24 17:52

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373655001	**PZ-100D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373655002	**DUP-5**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373655003	**MW-102D**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373655004	**DUP-6**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373655005	**MW-108S**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	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	DAW	3	PASI-I
		SM 2540C	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373655001	**PZ-100D**					
EPA 9056	Chloride	259	mg/L	25.0	05/27/24 03:53	
EPA 9056	Fluoride	0.64	mg/L	0.10	05/27/24 03:18	
EPA 9056	Sulfate	513	mg/L	25.0	05/27/24 03:53	
EPA 6010	Barium	59.2	ug/L	10.0	05/30/24 00:22	
EPA 6010	Boron	5810	ug/L	100	05/30/24 00:22	
EPA 6010	Calcium	236000	ug/L	2000	05/30/24 00:36	
EPA 6010	Iron	3170	ug/L	100	05/30/24 00:22	
EPA 6010	Lithium	73.6	ug/L	20.0	05/30/24 00:22	
EPA 6010	Magnesium	64200	ug/L	1000	05/30/24 00:22	
EPA 6010	Manganese	198	ug/L	10.0	05/30/24 00:22	
EPA 6010	Molybdenum	115	ug/L	10.0	05/30/24 00:22	
EPA 6010	Potassium	11100	ug/L	1000	05/30/24 00:22	
EPA 6010	Sodium	152000	ug/L	1000	05/30/24 00:22	
EPA 6010	Molybdenum, Dissolved	115	ug/L	10.0	05/29/24 19:32	
EPA 6020	Arsenic	187	ug/L	1.0	05/27/24 01:41	
EPA 903.1	Radium-226	0.861 ± 0.895 (1.44) C:NA T:83%	pCi/L		06/12/24 14:26	
EPA 904.0	Radium-228	0.706 ± 0.472 (0.906) C:75% T:84%	pCi/L		06/10/24 15:27	
Total Radium Calculation	Total Radium	1.57 ± 1.37 (2.35)	pCi/L		06/13/24 14:04	
SM 2320B	Alkalinity, Total as CaCO3	301	mg/L	10.0	05/24/24 20:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	301	mg/L	10.0	05/24/24 20:19	
SM 2540C	Total Dissolved Solids	1540	mg/L	20.0	05/23/24 07:34	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	06/04/24 15:38	H3
50373655002	**DUP-5**					
EPA 9056	Chloride	267	mg/L	25.0	05/27/24 05:55	
EPA 9056	Fluoride	0.72	mg/L	0.10	05/27/24 05:20	
EPA 9056	Sulfate	516	mg/L	25.0	05/27/24 05:55	
EPA 6010	Barium	60.0	ug/L	10.0	05/30/24 00:52	
EPA 6010	Boron	5940	ug/L	100	05/30/24 00:52	
EPA 6010	Calcium	231000	ug/L	2000	05/30/24 00:41	
EPA 6010	Iron	3240	ug/L	100	05/30/24 00:52	
EPA 6010	Lithium	71.4	ug/L	20.0	05/30/24 00:52	
EPA 6010	Magnesium	65600	ug/L	1000	05/30/24 00:52	
EPA 6010	Manganese	201	ug/L	10.0	05/30/24 00:52	
EPA 6010	Molybdenum	116	ug/L	10.0	05/30/24 00:52	
EPA 6010	Potassium	11100	ug/L	1000	05/30/24 00:52	
EPA 6010	Sodium	154000	ug/L	1000	05/30/24 00:52	
EPA 6010	Molybdenum, Dissolved	114	ug/L	10.0	05/29/24 19:34	
EPA 6020	Arsenic	187	ug/L	1.0	05/27/24 01:51	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373655002	**DUP-5**					
EPA 903.1	Radium-226	-0.296 ± 0.647 (1.33) C:NA T:88%	pCi/L		06/12/24 14:26	
EPA 904.0	Radium-228	0.947 ± 0.524 (0.954) C:72% T:82%	pCi/L		06/10/24 15:27	
Total Radium Calculation	Total Radium	0.947 ± 1.17 (2.28)	pCi/L		06/13/24 14:04	
SM 2320B	Alkalinity, Total as CaCO3	300	mg/L	10.0	05/24/24 20:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	300	mg/L	10.0	05/24/24 20:19	
SM 2540C	Total Dissolved Solids	1530	mg/L	20.0	05/23/24 07:34	
SM 4500-H+B	pH at 25 Degrees C	7.4	Std. Units	0.10	06/04/24 15:39	H3
EPA 353.2	Nitrogen, Nitrate	0.13	mg/L	0.10	05/22/24 02:42	
50373655003	**MW-102D**					
EPA 9056	Chloride	141	mg/L	2.5	05/27/24 06:29	
EPA 9056	Fluoride	0.18	mg/L	0.10	05/27/24 06:12	
EPA 9056	Sulfate	1170	mg/L	25.0	05/27/24 06:47	
EPA 6010	Barium	55.0	ug/L	10.0	05/30/24 00:26	
EPA 6010	Boron	23300	ug/L	100	05/30/24 00:26	
EPA 6010	Calcium	368000	ug/L	5000	05/30/24 00:43	
EPA 6010	Iron	7540	ug/L	100	05/30/24 00:26	
EPA 6010	Lithium	137	ug/L	20.0	05/30/24 00:26	
EPA 6010	Magnesium	53200	ug/L	1000	05/30/24 00:26	
EPA 6010	Manganese	743	ug/L	10.0	05/30/24 00:26	
EPA 6010	Molybdenum	541	ug/L	10.0	05/30/24 00:26	
EPA 6010	Potassium	13500	ug/L	1000	05/30/24 00:26	
EPA 6010	Sodium	160000	ug/L	1000	05/30/24 00:26	
EPA 6010	Molybdenum, Dissolved	536	ug/L	10.0	05/29/24 19:35	
EPA 6020	Arsenic	46.1	ug/L	1.0	05/27/24 01:55	
EPA 903.1	Radium-226	0.194 ± 0.792 (1.45) C:NA T:88%	pCi/L		06/12/24 14:26	
EPA 904.0	Radium-228	1.13 ± 0.526 (0.881) C:76% T:77%	pCi/L		06/10/24 15:27	
Total Radium Calculation	Total Radium	1.32 ± 1.32 (2.33)	pCi/L		06/13/24 14:04	
SM 2320B	Alkalinity, Total as CaCO3	102	mg/L	10.0	05/24/24 20:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	10.0	05/24/24 20:19	
SM 2540C	Total Dissolved Solids	2030	mg/L	20.0	05/23/24 07:35	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	06/04/24 15:39	H3
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	05/31/24 17:31	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373655004	**DUP-6**					
EPA 9056	Chloride	143	mg/L	2.5	05/27/24 04:28	
EPA 9056	Fluoride	0.18	mg/L	0.10	05/27/24 04:10	
EPA 9056	Sulfate	1200	mg/L	25.0	05/29/24 18:13	
EPA 6010	Barium	55.0	ug/L	10.0	05/30/24 00:27	
EPA 6010	Boron	23700	ug/L	100	05/30/24 00:27	
EPA 6010	Calcium	370000	ug/L	5000	05/30/24 00:45	
EPA 6010	Iron	7560	ug/L	100	05/30/24 00:27	
EPA 6010	Lithium	135	ug/L	20.0	05/30/24 00:27	
EPA 6010	Magnesium	53500	ug/L	1000	05/30/24 00:27	
EPA 6010	Manganese	748	ug/L	10.0	05/30/24 00:27	
EPA 6010	Molybdenum	545	ug/L	10.0	05/30/24 00:27	
EPA 6010	Potassium	13400	ug/L	1000	05/30/24 00:27	
EPA 6010	Sodium	160000	ug/L	1000	05/30/24 00:27	
EPA 6010	Molybdenum, Dissolved	520	ug/L	10.0	05/29/24 19:37	
EPA 6020	Arsenic	46.1	ug/L	1.0	05/27/24 01:59	
EPA 903.1	Radium-226	0.334 ± 0.573 (1.00) C:NA T:93%	pCi/L		06/17/24 12:57	
EPA 904.0	Radium-228	0.666 ± 0.451 (0.866) C:73% T:88%	pCi/L		06/10/24 15:27	
Total Radium Calculation	Total Radium	1.000 ± 1.02 (1.87)	pCi/L		06/17/24 14:43	
SM 2320B	Alkalinity, Total as CaCO3	102	mg/L	10.0	05/24/24 20:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	10.0	05/24/24 20:19	
SM 2540C	Total Dissolved Solids	2080	mg/L	20.0	05/23/24 07:35	
SM 4500-H+B	pH at 25 Degrees C	7.2	Std. Units	0.10	06/04/24 15:40	H3
SM 5310C	Dissolved Organic Carbon	2.0	mg/L	1.0	05/31/24 17:51	
50373655005	**MW-108S**					
EPA 9056	Chloride	217	mg/L	2.5	05/27/24 07:22	
EPA 9056	Fluoride	0.76	mg/L	0.10	05/27/24 07:04	
EPA 9056	Sulfate	819	mg/L	25.0	05/27/24 07:39	
EPA 6010	Barium	30.8	ug/L	10.0	05/30/24 00:29	
EPA 6010	Boron	3060	ug/L	100	05/30/24 00:29	
EPA 6010	Calcium	284000	ug/L	2000	05/30/24 00:46	
EPA 6010	Iron	3910	ug/L	100	05/30/24 00:29	
EPA 6010	Lithium	76.6	ug/L	20.0	05/30/24 00:29	
EPA 6010	Magnesium	96000	ug/L	1000	05/30/24 00:29	
EPA 6010	Manganese	557	ug/L	10.0	05/30/24 00:29	
EPA 6010	Molybdenum	118	ug/L	10.0	05/30/24 00:29	
EPA 6010	Potassium	13200	ug/L	1000	05/30/24 00:29	
EPA 6010	Sodium	148000	ug/L	1000	05/30/24 00:29	
EPA 6010	Molybdenum, Dissolved	118	ug/L	10.0	05/29/24 19:39	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373655005	**MW-108S**					
EPA 903.1	Radium-226	-0.248 ± 0.667 (1.36) C:NA T:86%	pCi/L		06/12/24 14:26	
EPA 904.0	Radium-228	0.457 ± 0.392 (0.785) C:75% T:83%	pCi/L		06/10/24 15:28	
Total Radium Calculation	Total Radium	0.457 ± 1.06 (2.15)	pCi/L		06/13/24 14:04	
SM 2320B	Alkalinity, Total as CaCO3	318	mg/L	10.0	05/24/24 20:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	318	mg/L	10.0	05/24/24 20:19	
SM 2540C	Total Dissolved Solids	1820	mg/L	20.0	05/23/24 07:35	
SM 4500-H+B	pH at 25 Degrees C	6.6	Std. Units	0.10	06/04/24 15:42	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: PZ-100D **Lab ID: 50373655001** Collected: 05/20/24 14:32 Received: 05/20/24 17:52 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	**259**	mg/L	25.0	6.7	100		05/27/24 03:53	16887-00-6	
Fluoride	**0.64**	mg/L	0.10	0.017	1		05/27/24 03:18	16984-48-8	
Sulfate	**513**	mg/L	25.0	19.0	100		05/27/24 03:53	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**59.2**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:22	7440-39-3	
Boron	**5810**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:22	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:22	7440-43-9	
Calcium	**236000**	ug/L	2000	135	2	05/23/24 07:39	05/30/24 00:36	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:22	7440-47-3	
Iron	**3170**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:22	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:22	7439-92-1	
Lithium	**73.6**	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:22	7439-93-2	
Magnesium	**64200**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:22	7439-95-4	
Manganese	**198**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:22	7439-96-5	
Molybdenum	**115**	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:22	7439-98-7	
Potassium	**11100**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:22	7440-09-7	
Sodium	**152000**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:22	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	1.1	1	05/23/24 16:07	05/29/24 19:32	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	0.044	1	05/24/24 07:35	05/27/24 01:41	7440-36-0	
Arsenic	**187**	ug/L	1.0	0.064	1	05/24/24 07:35	05/27/24 01:41	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/24/24 07:35	05/27/24 01:41	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/24/24 07:35	05/27/24 01:41	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/24/24 07:35	05/27/24 01:41	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/24/24 07:35	05/27/24 01:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/30/24 12:28	05/30/24 18:36	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**301**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Bicarbonate (CaCO3)	**301**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 20:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: PZ-100D **Lab ID: 50373655001** Collected: 05/20/24 14:32 Received: 05/20/24 17:52 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	**1540**	mg/L	20.0	20.0	1		05/23/24 07:34		
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		06/04/24 15:38		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		05/22/24 02:40	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		06/03/24 10:25		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: DUP-5 **Lab ID: 50373655002** Collected: 05/20/24 14:32 Received: 05/20/24 17:52 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	**267**	mg/L	25.0	6.7	100		05/27/24 05:55	16887-00-6	
Fluoride	**0.72**	mg/L	0.10	0.017	1		05/27/24 05:20	16984-48-8	
Sulfate	**516**	mg/L	25.0	19.0	100		05/27/24 05:55	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**60.0**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:52	7440-39-3	
Boron	**5940**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:52	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:52	7440-43-9	
Calcium	**231000**	ug/L	2000	135	2	05/23/24 07:39	05/30/24 00:41	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:52	7440-47-3	
Iron	**3240**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:52	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:52	7439-92-1	
Lithium	**71.4**	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:52	7439-93-2	
Magnesium	**65600**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:52	7439-95-4	
Manganese	**201**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:52	7439-96-5	
Molybdenum	**116**	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:52	7439-98-7	
Potassium	**11100**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:52	7440-09-7	
Sodium	**154000**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:52	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**114**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 19:34	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	0.044	1	05/24/24 07:35	05/27/24 01:51	7440-36-0	
Arsenic	**187**	ug/L	1.0	0.064	1	05/24/24 07:35	05/27/24 01:51	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/24/24 07:35	05/27/24 01:51	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/24/24 07:35	05/27/24 01:51	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/24/24 07:35	05/27/24 01:51	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/24/24 07:35	05/27/24 01:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/30/24 12:28	05/30/24 18:38	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		05/24/24 20:19		
Alkalinity,Bicarbonate (CaCO3)	**300**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 20:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: DUP-5 **Lab ID: 50373655002** Collected: 05/20/24 14:32 Received: 05/20/24 17:52 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	**1530**	mg/L	20.0	20.0	1		05/23/24 07:34		
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		06/04/24 15:39		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		05/22/24 02:42	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		06/03/24 10:44		D3

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: MW-102D **Lab ID: 50373655003** Collected: 05/20/24 11:15 Received: 05/20/24 17:52 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	0.67	10		05/27/24 06:29	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.017	1		05/27/24 06:12	16984-48-8	
Sulfate	**1170**	mg/L	25.0	19.0	100		05/27/24 06:47	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**55.0**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:26	7440-39-3	
Boron	**23300**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:26	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:26	7440-43-9	
Calcium	**368000**	ug/L	5000	338	5	05/23/24 07:39	05/30/24 00:43	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:26	7440-47-3	
Iron	**7540**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:26	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:26	7439-92-1	
Lithium	**137**	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:26	7439-93-2	
Magnesium	**53200**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:26	7439-95-4	
Manganese	**743**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:26	7439-96-5	
Molybdenum	**541**	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:26	7439-98-7	
Potassium	**13500**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:26	7440-09-7	
Sodium	**160000**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:26	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**536**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 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	0.044	1	05/24/24 07:35	05/27/24 01:55	7440-36-0	
Arsenic	**46.1**	ug/L	1.0	0.064	1	05/24/24 07:35	05/27/24 01:55	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/24/24 07:35	05/27/24 01:55	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/24/24 07:35	05/27/24 01:55	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/24/24 07:35	05/27/24 01:55	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/24/24 07:35	05/27/24 01:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/30/24 12:28	05/30/24 18:41	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**102**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Bicarbonate (CaCO3)	**102**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 20:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: MW-102D **Lab ID: 50373655003** Collected: 05/20/24 11:15 Received: 05/20/24 17:52 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	**2030**	mg/L	20.0	20.0	1		05/23/24 07:35		
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		06/04/24 15:39		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		05/22/24 02:23	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		05/31/24 17:31		

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: DUP-6 **Lab ID: 50373655004** Collected: 05/20/24 11:15 Received: 05/20/24 17:52 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	**143**	mg/L	2.5	0.67	10		05/27/24 04:28	16887-00-6	
Fluoride	**0.18**	mg/L	0.10	0.017	1		05/27/24 04:10	16984-48-8	
Sulfate	**1200**	mg/L	25.0	19.0	100		05/29/24 18:13	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**55.0**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:27	7440-39-3	
Boron	**23700**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:27	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:27	7440-43-9	
Calcium	**370000**	ug/L	5000	338	5	05/23/24 07:39	05/30/24 00:45	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:27	7440-47-3	
Iron	**7560**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:27	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:27	7439-92-1	
Lithium	**135**	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:27	7439-93-2	
Magnesium	**53500**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:27	7439-95-4	
Manganese	**748**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:27	7439-96-5	
Molybdenum	**545**	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:27	7439-98-7	
Potassium	**13400**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:27	7440-09-7	
Sodium	**160000**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:27	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**520**	ug/L	10.0	1.1	1	05/23/24 16:07	05/29/24 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	0.044	1	05/24/24 07:35	05/27/24 01:59	7440-36-0	
Arsenic	**46.1**	ug/L	1.0	0.064	1	05/24/24 07:35	05/27/24 01:59	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/24/24 07:35	05/27/24 01:59	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/24/24 07:35	05/27/24 01:59	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/24/24 07:35	05/27/24 01:59	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/24/24 07:35	05/27/24 01:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/30/24 12:28	05/30/24 18:43	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**102**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Bicarbonate (CaCO3)	**102**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 20:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: DUP-6 **Lab ID: 50373655004** Collected: 05/20/24 11:15 Received: 05/20/24 17:52 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	**2080**	mg/L	20.0	20.0	1		05/23/24 07:35		
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		06/04/24 15:40		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		05/22/24 02:25	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		05/31/24 17:51		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: MW-108S **Lab ID: 50373655005** Collected: 05/20/24 14:38 Received: 05/20/24 17:52 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	**217**	mg/L	2.5	0.67	10		05/27/24 07:22	16887-00-6	
Fluoride	**0.76**	mg/L	0.10	0.017	1		05/27/24 07:04	16984-48-8	
Sulfate	**819**	mg/L	25.0	19.0	100		05/27/24 07:39	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**30.8**	ug/L	10.0	0.45	1	05/23/24 07:39	05/30/24 00:29	7440-39-3	
Boron	**3060**	ug/L	100	6.2	1	05/23/24 07:39	05/30/24 00:29	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/23/24 07:39	05/30/24 00:29	7440-43-9	
Calcium	**284000**	ug/L	2000	135	2	05/23/24 07:39	05/30/24 00:46	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/23/24 07:39	05/30/24 00:29	7440-47-3	
Iron	**3910**	ug/L	100	30.0	1	05/23/24 07:39	05/30/24 00:29	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/23/24 07:39	05/30/24 00:29	7439-92-1	
Lithium	**76.6**	ug/L	20.0	6.8	1	05/23/24 07:39	05/30/24 00:29	7439-93-2	
Magnesium	**96000**	ug/L	1000	33.6	1	05/23/24 07:39	05/30/24 00:29	7439-95-4	
Manganese	**557**	ug/L	10.0	1.8	1	05/23/24 07:39	05/30/24 00:29	7439-96-5	
Molybdenum	**118**	ug/L	10.0	0.78	1	05/23/24 07:39	05/30/24 00:29	7439-98-7	
Potassium	**13200**	ug/L	1000	97.8	1	05/23/24 07:39	05/30/24 00:29	7440-09-7	
Sodium	**148000**	ug/L	1000	54.8	1	05/23/24 07:39	05/30/24 00:29	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	1.1	1	05/23/24 16:07	05/29/24 19:39	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	0.044	1	05/24/24 07:35	05/27/24 02:02	7440-36-0	
Arsenic	ND	ug/L	1.0	0.064	1	05/24/24 07:35	05/27/24 02:02	7440-38-2	
Beryllium	ND	ug/L	0.20	0.026	1	05/24/24 07:35	05/27/24 02:02	7440-41-7	
Cobalt	ND	ug/L	1.0	0.024	1	05/24/24 07:35	05/27/24 02:02	7440-48-4	
Selenium	ND	ug/L	1.0	0.23	1	05/24/24 07:35	05/27/24 02:02	7782-49-2	
Thallium	ND	ug/L	1.0	0.042	1	05/24/24 07:35	05/27/24 02:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/30/24 12:28	05/30/24 18:46	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**318**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Bicarbonate (CaCO3)	**318**	mg/L	10.0	10.0	1		05/24/24 20:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/24/24 20:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: MW-108S **Lab ID: 50373655005** Collected: 05/20/24 14:38 Received: 05/20/24 17:52 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	**1820**	mg/L	20.0	20.0	1		05/23/24 07:35		
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		06/04/24 15:42		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		05/22/24 02:44	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		06/03/24 11:03		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 791981
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3624341 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/26/24 12:30	
Fluoride	mg/L	ND	0.10	0.017	05/26/24 12:30	
Sulfate	mg/L	ND	0.25	0.19	05/26/24 12:30	

LABORATORY CONTROL SAMPLE: 3624342

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	0.96	96	80-120	
Sulfate	mg/L	5	4.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3624343 3624344

Parameter	Units	50373532003 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	7.1	7.2	122	123	80-120	0	15	M0
Fluoride	mg/L	0.074J	1	1	1.2	1.2	115	116	80-120	1	15	
Sulfate	mg/L	49.8	50	50	114	114	129	129	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 792598 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3627085 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	05/30/24 18:09	

LABORATORY CONTROL SAMPLE: 3627086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3627087 3627088

Parameter	Units	50373647004 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	5.2	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 791000
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3619565 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/29/24 23:40	
Boron	ug/L	ND	100	6.2	05/29/24 23:40	
Cadmium	ug/L	ND	2.0	0.60	05/29/24 23:40	
Calcium	ug/L	ND	1000	67.7	05/29/24 23:40	
Chromium	ug/L	ND	10.0	0.42	05/29/24 23:40	
Iron	ug/L	ND	100	30.0	05/29/24 23:40	
Lead	ug/L	ND	10.0	2.5	05/29/24 23:40	
Lithium	ug/L	ND	20.0	6.8	05/29/24 23:40	
Magnesium	ug/L	ND	1000	33.6	05/29/24 23:40	
Manganese	ug/L	ND	10.0	1.8	05/29/24 23:40	
Molybdenum	ug/L	ND	10.0	0.78	05/29/24 23:40	
Potassium	ug/L	ND	1000	97.8	05/29/24 23:40	
Sodium	ug/L	ND	1000	54.8	05/29/24 23:40	

LABORATORY CONTROL SAMPLE: 3619566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	974	97	80-120	
Boron	ug/L	1000	967	97	80-120	
Cadmium	ug/L	1000	984	98	80-120	
Calcium	ug/L	10000	9970	100	80-120	
Chromium	ug/L	1000	982	98	80-120	
Iron	ug/L	10000	9850	99	80-120	
Lead	ug/L	1000	977	98	80-120	
Lithium	ug/L	1000	1020	102	80-120	
Magnesium	ug/L	10000	9930	99	80-120	
Manganese	ug/L	1000	1010	101	80-120	
Molybdenum	ug/L	1000	1000	100	80-120	
Potassium	ug/L	10000	9610	96	80-120	
Sodium	ug/L	10000	9410	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619567 3619568

Parameter	Units	50373591001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	<100	1000	1000	1010	1010	99	99	75-125	0	20	
Boron	ug/L	377	1000	1000	1380	1400	100	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619567 3619568

Parameter	Units	50373591001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	<2.0	1000	1000	1010	1010	101	101	75-125	0	20	
Calcium	ug/L	151000	10000	10000	156000	158000	49	76	75-125	2	20	P6
Chromium	ug/L	<10.0	1000	1000	980	979	98	98	75-125	0	20	
Iron	ug/L	1490	10000	10000	11300	11300	98	99	75-125	1	20	
Lead	ug/L	<10.0	1000	1000	972	966	97	97	75-125	1	20	
Lithium	ug/L	<20.0	1000	1000	1060	1040	105	103	75-125	2	20	
Magnesium	ug/L	18200	10000	10000	27400	27800	93	96	75-125	1	20	
Manganese	ug/L	56.8	1000	1000	1060	1070	100	101	75-125	1	20	
Molybdenum	ug/L	20.3	1000	1000	1050	1050	103	103	75-125	0	20	
Potassium	ug/L	2150	10000	10000	12100	11800	99	96	75-125	2	20	
Sodium	ug/L	72500	10000	10000	80800	81100	82	86	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619569 3619570

Parameter	Units	50373639001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	51.0	1000	1000	1050	1050	100	100	75-125	0	20	
Boron	ug/L	2990	1000	1000	4060	3980	107	98	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	1040	1030	104	103	75-125	1	20	
Calcium	ug/L	235000	10000	10000	238000	237000	30	19	75-125	0	20	P6
Chromium	ug/L	ND	1000	1000	997	986	100	99	75-125	1	20	
Iron	ug/L	2210	10000	10000	12100	12000	99	98	75-125	2	20	
Lead	ug/L	ND	1000	1000	975	962	97	96	75-125	1	20	
Lithium	ug/L	54.0	1000	1000	1080	1100	103	104	75-125	1	20	
Magnesium	ug/L	65400	10000	10000	74800	73200	94	78	75-125	2	20	
Manganese	ug/L	679	1000	1000	1680	1660	100	98	75-125	1	20	
Molybdenum	ug/L	17.7	1000	1000	1070	1060	105	104	75-125	1	20	
Potassium	ug/L	11700	10000	10000	21300	21400	95	97	75-125	1	20	
Sodium	ug/L	144000	10000	10000	151000	150000	61	58	75-125	0	20	P6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619571 3619572

Parameter	Units	50373639004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	181	1000	1000	1170	1160	99	98	75-125	1	20	
Boron	ug/L	857	1000	1000	1880	1870	103	101	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	1020	1010	102	101	75-125	1	20	
Calcium	ug/L	182000	10000	10000	190000	187000	86	56	75-125	2	20	P6
Chromium	ug/L	ND	1000	1000	989	981	99	98	75-125	1	20	
Iron	ug/L	8380	10000	10000	18300	18100	99	97	75-125	1	20	
Lead	ug/L	ND	1000	1000	972	962	97	96	75-125	1	20	
Lithium	ug/L	ND	1000	1000	1060	1030	104	102	75-125	2	20	
Magnesium	ug/L	45900	10000	10000	55300	54700	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619571 3619572

Parameter	Units	50373639004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Manganese	ug/L	719	1000	1000	1730	1700	101	99	75-125	1	20	
Molybdenum	ug/L	ND	1000	1000	1040	1030	103	102	75-125	1	20	
Potassium	ug/L	4890	10000	10000	14900	14600	100	97	75-125	2	20	
Sodium	ug/L	50900	10000	10000	60900	59400	100	85	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 791011 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3619623 — Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/29/24 18:49	

LABORATORY CONTROL SAMPLE: 3619624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	959	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619625 3619626

Parameter	Units	50373421001 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	995	978	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 791758
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3623055 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.044	05/27/24 00:43	
Arsenic	ug/L	ND	1.0	0.064	05/27/24 00:43	
Beryllium	ug/L	ND	0.20	0.026	05/27/24 00:43	
Cobalt	ug/L	ND	1.0	0.024	05/27/24 00:43	
Selenium	ug/L	ND	1.0	0.23	05/27/24 00:43	
Thallium	ug/L	ND	1.0	0.042	05/27/24 00:43	

LABORATORY CONTROL SAMPLE: 3623056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	40.9	102	80-120	
Arsenic	ug/L	40	38.2	96	80-120	
Beryllium	ug/L	40	37.4	93	80-120	
Cobalt	ug/L	40	40.5	101	80-120	
Selenium	ug/L	40	40.3	101	80-120	
Thallium	ug/L	40	40.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3623057 3623058

Parameter	Units	50373591001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<2.0	40	40	41.1	42.0	103	105	75-125	2	20	
Arsenic	ug/L	<5.0	40	40	40.8	41.1	96	97	75-125	1	20	
Beryllium	ug/L	<1.0	40	40	38.9	39.3	97	98	75-125	1	20	
Cobalt	ug/L	<1.0	40	40	38.0	38.4	94	95	75-125	1	20	
Selenium	ug/L	<5.0	40	40	40.6	40.5	101	101	75-125	0	20	
Thallium	ug/L	<2.0	40	40	41.1	42.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 792033 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3624738 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/24/24 20:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/24/24 20:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/24/24 20:19	

LABORATORY CONTROL SAMPLE: 3624739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	90-110	

SAMPLE DUPLICATE: 3624740

Parameter	Units	50373647001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	436	443	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	436	443	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3624741

Parameter	Units	50373655001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	301	304	1	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	301	304	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 791561 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3622134 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/23/24 07:30	

LABORATORY CONTROL SAMPLE: 3622135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	302	101	80-120	

SAMPLE DUPLICATE: 3622136

Parameter	Units	50373647002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	788	774	2	10	

SAMPLE DUPLICATE: 3622137

Parameter	Units	50373647004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	391	383	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 793681
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: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

SAMPLE DUPLICATE: 3631403

Parameter	Units	50373647008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.3	0	2	H3

SAMPLE DUPLICATE: 3631404

Parameter	Units	50374145002 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 791287 | 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: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3620854 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/22/24 02:14	

LABORATORY CONTROL SAMPLE: 3620855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 3620856

Parameter	Units	50373676001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620857 3620858

Parameter	Units	50373760002 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	101	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 793088 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3628913 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/31/24 15:27	

LABORATORY CONTROL SAMPLE: 3628914

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: 3628915 3628916

Parameter	Units	50373655001 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	11.3	11.5	100	103	80-120	2	20	

MATRIX SPIKE SAMPLE: 3628917

Parameter	Units	50373758004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.3	10	11.0	86	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: PZ-100D **Lab ID: 50373655001** Collected: 05/20/24 14:32 Received: 05/20/24 17:52 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	**0.861 ± 0.895 (1.44) C:NA T:83%**	pCi/L	06/12/24 14:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.706 ± 0.472 (0.906) C:75% T:84%**	pCi/L	06/10/24 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.57 ± 1.37 (2.35)**	pCi/L	06/13/24 14:04	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: DUP-5 **Lab ID: 50373655002** Collected: 05/20/24 14:32 Received: 05/20/24 17:52 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	**-0.296 ± 0.647 (1.33) C:NA T:88%**	pCi/L	06/12/24 14:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.947 ± 0.524 (0.954) C:72% T:82%**	pCi/L	06/10/24 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.947 ± 1.17 (2.28)**	pCi/L	06/13/24 14:04	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: MW-102D **Lab ID: 50373655003** Collected: 05/20/24 11:15 Received: 05/20/24 17:52 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 ± 0.792 (1.45) C:NA T:88%**	pCi/L	06/12/24 14:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.13 ± 0.526 (0.881) C:76% T:77%**	pCi/L	06/10/24 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.32 ± 1.32 (2.33)**	pCi/L	06/13/24 14:04	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: DUP-6 **Lab ID: 50373655004** Collected: 05/20/24 11:15 Received: 05/20/24 17:52 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 ± 0.573 (1.00) C:NA T:93%**	pCi/L	06/17/24 12:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.666 ± 0.451 (0.866) C:73% T:88%**	pCi/L	06/10/24 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.000 ± 1.02 (1.87)**	pCi/L	06/17/24 14:43	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Sample: MW-108S **Lab ID: 50373655005** Collected: 05/20/24 14:38 Received: 05/20/24 17:52 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	**-0.248 ± 0.667 (1.36) C:NA T:86%**	pCi/L	06/12/24 14:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.457 ± 0.392 (0.785) C:75% T:83%**	pCi/L	06/10/24 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.457 ± 1.06 (2.15)**	pCi/L	06/13/24 14:04	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 670812
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: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3266847 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.143 ± 0.247 (0.442) C:NA T:92%	pCi/L	06/12/24 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

QC Batch: 670813
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: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

METHOD BLANK: 3266848 Matrix: Water
Associated Lab Samples: 50373655001, 50373655002, 50373655003, 50373655004, 50373655005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.274 ± 0.231 (0.608) C:87% T:92%	pCi/L	06/10/24 11:56	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373655001	**PZ-100D**	EPA 9056	791981		
50373655002	**DUP-5**	EPA 9056	791981		
50373655003	**MW-102D**	EPA 9056	791981		
50373655004	**DUP-6**	EPA 9056	791981		
50373655005	**MW-108S**	EPA 9056	791981		
50373655001	**PZ-100D**	EPA 3010	791000	EPA 6010	792689
50373655002	**DUP-5**	EPA 3010	791000	EPA 6010	792689
50373655003	**MW-102D**	EPA 3010	791000	EPA 6010	792689
50373655004	**DUP-6**	EPA 3010	791000	EPA 6010	792689
50373655005	**MW-108S**	EPA 3010	791000	EPA 6010	792689
50373655001	**PZ-100D**	EPA 3010	791011	EPA 6010	792660
50373655002	**DUP-5**	EPA 3010	791011	EPA 6010	792660
50373655003	**MW-102D**	EPA 3010	791011	EPA 6010	792660
50373655004	**DUP-6**	EPA 3010	791011	EPA 6010	792660
50373655005	**MW-108S**	EPA 3010	791011	EPA 6010	792660
50373655001	**PZ-100D**	EPA 200.2	791758	EPA 6020	791989
50373655002	**DUP-5**	EPA 200.2	791758	EPA 6020	791989
50373655003	**MW-102D**	EPA 200.2	791758	EPA 6020	791989
50373655004	**DUP-6**	EPA 200.2	791758	EPA 6020	791989
50373655005	**MW-108S**	EPA 200.2	791758	EPA 6020	791989
50373655001	**PZ-100D**	EPA 7470	792598	EPA 7470	792900
50373655002	**DUP-5**	EPA 7470	792598	EPA 7470	792900
50373655003	**MW-102D**	EPA 7470	792598	EPA 7470	792900
50373655004	**DUP-6**	EPA 7470	792598	EPA 7470	792900
50373655005	**MW-108S**	EPA 7470	792598	EPA 7470	792900
50373655001	**PZ-100D**	EPA 903.1	670812		
50373655002	**DUP-5**	EPA 903.1	670812		
50373655003	**MW-102D**	EPA 903.1	670812		
50373655004	**DUP-6**	EPA 903.1	670812		
50373655005	**MW-108S**	EPA 903.1	670812		
50373655001	**PZ-100D**	EPA 904.0	670813		
50373655002	**DUP-5**	EPA 904.0	670813		
50373655003	**MW-102D**	EPA 904.0	670813		
50373655004	**DUP-6**	EPA 904.0	670813		
50373655005	**MW-108S**	EPA 904.0	670813		
50373655001	**PZ-100D**	Total Radium Calculation	675665		
50373655002	**DUP-5**	Total Radium Calculation	675665		
50373655003	**MW-102D**	Total Radium Calculation	675665		
50373655004	**DUP-6**	Total Radium Calculation	676320		
50373655005	**MW-108S**	Total Radium Calculation	675665		
50373655001	**PZ-100D**	SM 2320B	792033		
50373655002	**DUP-5**	SM 2320B	792033		
50373655003	**MW-102D**	SM 2320B	792033		
50373655004	**DUP-6**	SM 2320B	792033		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373655005	**MW-108S**	SM 2320B	792033		
50373655001	**PZ-100D**	SM 2540C	791561		
50373655002	**DUP-5**	SM 2540C	791561		
50373655003	**MW-102D**	SM 2540C	791561		
50373655004	**DUP-6**	SM 2540C	791561		
50373655005	**MW-108S**	SM 2540C	791561		
50373655001	**PZ-100D**	SM 4500-H+B	793681		
50373655002	**DUP-5**	SM 4500-H+B	793681		
50373655003	**MW-102D**	SM 4500-H+B	793681		
50373655004	**DUP-6**	SM 4500-H+B	793681		
50373655005	**MW-108S**	SM 4500-H+B	793681		
50373655001	**PZ-100D**	EPA 353.2	791287		
50373655002	**DUP-5**	EPA 353.2	791287		
50373655003	**MW-102D**	EPA 353.2	791287		
50373655004	**DUP-6**	EPA 353.2	791287		
50373655005	**MW-108S**	EPA 353.2	791287		
50373655001	**PZ-100D**	SM 5310C	793088		
50373655002	**DUP-5**	SM 5310C	793088		
50373655003	**MW-102D**	SM 5310C	793088		
50373655004	**DUP-6**	SM 5310C	793088		
50373655005	**MW-108S**	SM 5310C	793088		

WO# : 50373655

50373655

CHAIN-OF-CUSTODY / Analytical Request D

Pace

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must b

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pace

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Atlas	Report To: Mark Breting	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date:	Project #: PIR2	Pace Profile #: 10498-57

Regulatory Agency
State / Location
IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)
1	PZ-100D	WT		5-20-24	1432				8	3	1	4							X	X	X	X	X	X	X	X	
2	DUP-5	WT			1432				8	3	1	4							X	X	X	X	X	X	X	X	
3	MW-102D	WT			1115				8	3	1	4							X	X	X	X	X	X	X	X	
4	DUP-6	WT			1115				8	3	1	4							X	X	X	X	X	X	X	X	
5	MW-108S	WT		5-20-24	1438				8	3	1	4							X	X	X	X	X	X	X	X	
6		WT																	X	X	X	X	X	X	X	X	
7		WT																	X	X	X	X	X	X	X	X	
8		WT																	X	X	X	X	X	X	X	X	
9		WT																	X	X	X	X	X	X	X	X	
10		WT																	X	X	X	X	X	X	X	X	
11		WT																	X	X	X	X	X	X	X	X	
12																			X	X	X	X	X	X	X	X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGLE / ATLAS	5.20.24	17:52		5/20/24	17:52	1.3	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)							1.2			
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JOHN A. MAGLE JR					
SIGNATURE of SAMPLER:		DATE Signed: 5.20.24				

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 5/20/24 17:52 JG

1. Courier: ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G H

4. Cooler Temperature(s): (Initial/Corrected) 15/13 | 14/12 | | 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

8. EZ Bottle Order? ☐ Yes ☑ No
If yes but not on COC what is the EZ Bottle Order Number?:

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: NO3 by 353.2	—		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 ____ of ____

Sample Container Count

** Place a RED dot on containers that are out of conformance **

									AMBER GLASS								PLASTIC									OTHER								
			MeOH (only)																											Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
			SBS																											Red	Yellow	Green	Black
			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		Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1													1			2	2	1	1	1								WT	✓	✓		
2													↓			↓	↓	↓	↓	↓								↓	↓	↓		
3													↓			↓	↓	↓	↓	↓								↓	↓	↓		
4													↓			↓	↓	↓	↓	↓								↓	↓	↓		
5													↓			↓	↓	↓	↓	↓								↓	↓	↓		
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 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,

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: Harding Street May 2024 P1R1
Pace Project No.: 50373757

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373757001	**MW-10S**	Water	05/21/24 15:11	05/21/24 16:30
50373757002	**MW-10D**	Water	05/21/24 13:36	05/21/24 16:30
50373757003	**Field Blank 1**	Water	05/21/24 13:08	05/21/24 16:30

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373757001	**MW-10S**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	DMC	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373757002	**MW-10D**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	DMC	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373757003	**Field Blank 1**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	DMC	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373757001	**MW-10S**					
EPA 9056	Chloride	870	mg/L	25.0	05/27/24 22:10	
EPA 9056	Fluoride	2.7	mg/L	0.10	05/27/24 21:36	
EPA 9056	Sulfate	916	mg/L	25.0	05/27/24 22:10	
EPA 6010	Barium	94.7	ug/L	10.0	05/23/24 01:19	
EPA 6010	Boron	3810	ug/L	100	05/23/24 01:19	
EPA 6010	Calcium	330000	ug/L	5000	05/23/24 01:39	
EPA 6010	Iron	1470	ug/L	100	05/23/24 01:19	
EPA 6010	Lithium	46.7	ug/L	20.0	05/23/24 01:19	
EPA 6010	Magnesium	75300	ug/L	1000	05/23/24 01:19	
EPA 6010	Manganese	572	ug/L	10.0	05/23/24 01:19	
EPA 6010	Molybdenum	111	ug/L	10.0	05/23/24 01:19	
EPA 6010	Potassium	11600	ug/L	1000	05/23/24 01:19	
EPA 6010	Sodium	536000	ug/L	5000	05/23/24 01:39	
EPA 6010	Molybdenum, Dissolved	109	ug/L	10.0	05/31/24 10:23	
EPA 6020	Arsenic	283	ug/L	2.0	06/02/24 22:28	
EPA 6020	Selenium	1.3	ug/L	1.0	05/30/24 09:06	
EPA 903.1	Radium-226	0.372 ± 0.517 (0.874) C:NA T:88%	pCi/L		06/13/24 15:37	
EPA 904.0	Radium-228	0.245 ± 0.290 (0.606) C:76% T:87%	pCi/L		06/11/24 11:51	
Total Radium Calculation	Total Radium	0.617 ± 0.807 (1.48)	pCi/L		06/13/24 16:54	
SM 2320B	Alkalinity, Total as CaCO3	282	mg/L	10.0	05/28/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	282	mg/L	10.0	05/28/24 20:45	
SM 2540C	Total Dissolved Solids	1520	mg/L	40.0	05/24/24 07:23	
SM 4500-H+B	pH at 25 Degrees C	6.4	Std. Units	0.10	06/04/24 16:32	H3
50373757002	**MW-10D**					
EPA 9056	Chloride	638	mg/L	25.0	05/27/24 23:00	
EPA 9056	Fluoride	1.8	mg/L	0.10	05/27/24 22:27	
EPA 9056	Sulfate	1050	mg/L	25.0	05/27/24 23:00	
EPA 6010	Barium	46.2	ug/L	10.0	05/23/24 01:28	
EPA 6010	Boron	2510	ug/L	100	05/23/24 01:28	
EPA 6010	Calcium	384000	ug/L	5000	05/23/24 01:32	
EPA 6010	Iron	3530	ug/L	100	05/23/24 01:28	
EPA 6010	Lithium	61.5	ug/L	20.0	05/23/24 01:28	
EPA 6010	Magnesium	121000	ug/L	1000	05/23/24 01:28	
EPA 6010	Manganese	380	ug/L	10.0	05/23/24 01:28	
EPA 6010	Molybdenum	58.9	ug/L	10.0	05/23/24 01:28	
EPA 6010	Potassium	11200	ug/L	1000	05/23/24 01:28	
EPA 6010	Sodium	331000	ug/L	5000	05/23/24 01:32	
EPA 6010	Molybdenum, Dissolved	58.4	ug/L	10.0	05/31/24 10:25	
EPA 6020	Arsenic	99.3	ug/L	1.0	05/30/24 09:09	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373757002	**MW-10D**					
EPA 903.1	Radium-226	1.27 ± 0.923 (1.39) C:NA T:87%	pCi/L		06/13/24 15:37	
EPA 904.0	Radium-228	0.988 ± 0.450 (0.745) C:78% T:82%	pCi/L		06/11/24 11:51	
Total Radium Calculation	Total Radium	2.26 ± 1.37 (2.14)	pCi/L		06/13/24 16:54	
SM 2320B	Alkalinity, Total as CaCO3	335	mg/L	10.0	05/28/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	335	mg/L	10.0	05/28/24 20:45	
SM 2540C	Total Dissolved Solids	2520	mg/L	40.0	05/24/24 07:23	
SM 4500-H+B	pH at 25 Degrees C	6.8	Std. Units	0.10	06/04/24 16:33	H3
50373757003	**Field Blank 1**					
EPA 903.1	Radium-226	-0.321 ± 0.578 (1.25) C:NA T:92%	pCi/L		06/13/24 15:37	
EPA 904.0	Radium-228	0.336 ± 0.313 (0.637) C:83% T:90%	pCi/L		06/11/24 11:51	
Total Radium Calculation	Total Radium	0.336 ± 0.891 (1.89)	pCi/L		06/13/24 16:54	
SM 4500-H+B	pH at 25 Degrees C	8.9	Std. Units	0.10	06/04/24 16:34	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: MW-10S **Lab ID: 50373757001** Collected: 05/21/24 15:11 Received: 05/21/24 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	**870**	mg/L	25.0	6.7	100		05/27/24 22:10	16887-00-6	
Fluoride	**2.7**	mg/L	0.10	0.017	1		05/27/24 21:36	16984-48-8	
Sulfate	**916**	mg/L	25.0	19.0	100		05/27/24 22:10	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**94.7**	ug/L	10.0	0.45	1	05/22/24 08:04	05/23/24 01:19	7440-39-3	
Boron	**3810**	ug/L	100	6.2	1	05/22/24 08:04	05/23/24 01:19	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/22/24 08:04	05/23/24 01:19	7440-43-9	
Calcium	**330000**	ug/L	5000	338	5	05/22/24 08:04	05/23/24 01:39	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/22/24 08:04	05/23/24 01:19	7440-47-3	
Iron	**1470**	ug/L	100	30.0	1	05/22/24 08:04	05/23/24 01:19	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/22/24 08:04	05/23/24 01:19	7439-92-1	
Lithium	**46.7**	ug/L	20.0	6.8	1	05/22/24 08:04	05/23/24 01:19	7439-93-2	
Magnesium	**75300**	ug/L	1000	33.6	1	05/22/24 08:04	05/23/24 01:19	7439-95-4	
Manganese	**572**	ug/L	10.0	1.8	1	05/22/24 08:04	05/23/24 01:19	7439-96-5	
Molybdenum	**111**	ug/L	10.0	0.78	1	05/22/24 08:04	05/23/24 01:19	7439-98-7	
Potassium	**11600**	ug/L	1000	97.8	1	05/22/24 08:04	05/23/24 01:19	7440-09-7	
Sodium	**536000**	ug/L	5000	274	5	05/22/24 08:04	05/23/24 01:39	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**109**	ug/L	10.0	1.1	1	05/30/24 22:28	05/31/24 10:23	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	0.27	1	05/29/24 15:17	05/30/24 09:06	7440-36-0	
Arsenic	**283**	ug/L	2.0	0.22	2	05/29/24 15:17	06/02/24 22:28	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/29/24 15:17	05/30/24 09:06	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/29/24 15:17	05/30/24 09:06	7440-48-4	
Selenium	**1.3**	ug/L	1.0	0.22	1	05/29/24 15:17	05/30/24 09:06	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/29/24 15:17	05/30/24 09:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/31/24 09:53	06/02/24 16:59	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		05/28/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**282**	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: MW-10S **Lab ID: 50373757001** Collected: 05/21/24 15:11 Received: 05/21/24 16:30 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	**1520**	mg/L	40.0	40.0	1		05/24/24 07:23		
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		06/04/24 16:32		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		05/22/24 03:26	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		06/03/24 11:24		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: MW-10D **Lab ID: 50373757002** Collected: 05/21/24 13:36 Received: 05/21/24 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	**638**	mg/L	25.0	6.7	100		05/27/24 23:00	16887-00-6	
Fluoride	**1.8**	mg/L	0.10	0.017	1		05/27/24 22:27	16984-48-8	
Sulfate	**1050**	mg/L	25.0	19.0	100		05/27/24 23:00	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**46.2**	ug/L	10.0	0.45	1	05/22/24 08:04	05/23/24 01:28	7440-39-3	
Boron	**2510**	ug/L	100	6.2	1	05/22/24 08:04	05/23/24 01:28	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/22/24 08:04	05/23/24 01:28	7440-43-9	
Calcium	**384000**	ug/L	5000	338	5	05/22/24 08:04	05/23/24 01:32	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/22/24 08:04	05/23/24 01:28	7440-47-3	
Iron	**3530**	ug/L	100	30.0	1	05/22/24 08:04	05/23/24 01:28	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/22/24 08:04	05/23/24 01:28	7439-92-1	
Lithium	**61.5**	ug/L	20.0	6.8	1	05/22/24 08:04	05/23/24 01:28	7439-93-2	
Magnesium	**121000**	ug/L	1000	33.6	1	05/22/24 08:04	05/23/24 01:28	7439-95-4	
Manganese	**380**	ug/L	10.0	1.8	1	05/22/24 08:04	05/23/24 01:28	7439-96-5	
Molybdenum	**58.9**	ug/L	10.0	0.78	1	05/22/24 08:04	05/23/24 01:28	7439-98-7	
Potassium	**11200**	ug/L	1000	97.8	1	05/22/24 08:04	05/23/24 01:28	7440-09-7	
Sodium	**331000**	ug/L	5000	274	5	05/22/24 08:04	05/23/24 01:32	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**58.4**	ug/L	10.0	1.1	1	05/30/24 22:28	05/31/24 10:25	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	0.27	1	05/29/24 15:17	05/30/24 09:09	7440-36-0	
Arsenic	**99.3**	ug/L	1.0	0.11	1	05/29/24 15:17	05/30/24 09:09	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/29/24 15:17	05/30/24 09:09	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/29/24 15:17	05/30/24 09:09	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/29/24 15:17	05/30/24 09:09	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/29/24 15:17	05/30/24 09:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/31/24 09:53	06/02/24 17:02	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**335**	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**335**	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: MW-10D **Lab ID: 50373757002** Collected: 05/21/24 13:36 Received: 05/21/24 16:30 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	**2520**	mg/L	40.0	40.0	1		05/24/24 07:23		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		06/04/24 16:33		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		05/22/24 03:21	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		06/03/24 11:44		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: Field Blank 1 **Lab ID: 50373757003** Collected: 05/21/24 13:08 Received: 05/21/24 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	0.067	1		05/27/24 19:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		05/27/24 19:38	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		05/27/24 19:38	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	ND	ug/L	10.0	0.45	1	05/22/24 08:04	05/23/24 01:37	7440-39-3	
Boron	ND	ug/L	100	6.2	1	05/22/24 08:04	05/23/24 01:37	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/22/24 08:04	05/23/24 01:37	7440-43-9	
Calcium	ND	ug/L	1000	67.7	1	05/22/24 08:04	05/23/24 01:37	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/22/24 08:04	05/23/24 01:37	7440-47-3	
Iron	ND	ug/L	100	30.0	1	05/22/24 08:04	05/23/24 01:37	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/22/24 08:04	05/23/24 01:37	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/22/24 08:04	05/23/24 01:37	7439-93-2	
Magnesium	ND	ug/L	1000	33.6	1	05/22/24 08:04	05/23/24 01:37	7439-95-4	
Manganese	ND	ug/L	10.0	1.8	1	05/22/24 08:04	05/23/24 01:37	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/22/24 08:04	05/23/24 01:37	7439-98-7	
Potassium	ND	ug/L	1000	97.8	1	05/22/24 08:04	05/23/24 01:37	7440-09-7	
Sodium	ND	ug/L	1000	54.8	1	05/22/24 08:04	05/23/24 01:37	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	1.1	1	05/30/24 22:28	05/31/24 10:27	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	0.27	1	05/29/24 15:17	05/30/24 09:12	7440-36-0	
Arsenic	ND	ug/L	1.0	0.11	1	05/29/24 15:17	05/30/24 09:12	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/29/24 15:17	05/30/24 09:12	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/29/24 15:17	05/30/24 09:12	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/29/24 15:17	05/30/24 09:12	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/29/24 15:17	05/30/24 09:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/31/24 09:53	06/02/24 17:09	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		05/28/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: Field Blank 1 **Lab ID: 50373757003** Collected: 05/21/24 13:08 Received: 05/21/24 16:30 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	ND	mg/L	10.0	10.0	1		05/24/24 07:24		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**8.9**	Std. Units	0.10	0.10	1		06/04/24 16:34		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		05/22/24 03:15	14797-55-8	
5310C Dissolved Organic Carbon	Analytical Method: SM 5310C Pace Analytical Services - Indianapolis								
Dissolved Organic Carbon	ND	mg/L	1.0	0.25	1		05/31/24 21:38		

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 791987
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3624352 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/27/24 00:46	
Fluoride	mg/L	ND	0.10	0.017	05/27/24 00:46	
Sulfate	mg/L	ND	0.25	0.19	05/27/24 00:46	

LABORATORY CONTROL SAMPLE: 3624353

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	1.1	107	80-120	
Sulfate	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3624354 3624355

Parameter	Units	50373561006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	232	25	25	249	248	69	67	80-120	0	15	M0
Fluoride	mg/L	0.10	1	1	1.1	1.1	103	103	80-120	0	15	
Sulfate	mg/L	178	50	50	223	222	89	88	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 792843
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3627997 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	06/02/24 16:40	

LABORATORY CONTROL SAMPLE: 3627998

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: 3627999 3628000

Parameter	Units	50373676003 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	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 791279
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3620825 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	05/23/24 01:14	
Boron	ug/L	ND	100	6.2	05/23/24 01:14	
Cadmium	ug/L	ND	2.0	0.60	05/23/24 01:14	
Calcium	ug/L	ND	1000	67.7	05/23/24 01:14	
Chromium	ug/L	ND	10.0	0.42	05/23/24 01:14	
Iron	ug/L	ND	100	30.0	05/23/24 01:14	
Lead	ug/L	ND	10.0	2.5	05/23/24 01:14	
Lithium	ug/L	ND	20.0	6.8	05/23/24 01:14	
Magnesium	ug/L	ND	1000	33.6	05/23/24 01:14	
Manganese	ug/L	ND	10.0	1.8	05/23/24 01:14	
Molybdenum	ug/L	ND	10.0	0.78	05/23/24 01:14	
Potassium	ug/L	ND	1000	97.8	05/23/24 01:14	
Sodium	ug/L	ND	1000	54.8	05/23/24 01:14	

LABORATORY CONTROL SAMPLE: 3620826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	974	97	80-120	
Boron	ug/L	1000	939	94	80-120	
Cadmium	ug/L	1000	940	94	80-120	
Calcium	ug/L	10000	9970	100	80-120	
Chromium	ug/L	1000	975	97	80-120	
Iron	ug/L	10000	9540	95	80-120	
Lead	ug/L	1000	921	92	80-120	
Lithium	ug/L	1000	980	98	80-120	
Magnesium	ug/L	10000	9570	96	80-120	
Manganese	ug/L	1000	950	95	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9720	97	80-120	
Sodium	ug/L	10000	9720	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620827 3620828

Parameter	Units	50373757001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	94.7	1000	1000	1070	1060	98	97	75-125	1	20	
Boron	ug/L	3810	1000	1000	4730	4700	92	89	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620827 3620828

Parameter	Units	50373757001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	ND	1000	1000	976	959	97	96	75-125	2	20	
Calcium	ug/L	330000	10000	10000	332000	335000	15	50	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	963	947	96	95	75-125	2	20	
Iron	ug/L	1470	10000	10000	10700	10600	93	91	75-125	1	20	
Lead	ug/L	ND	1000	1000	882	868	88	87	75-125	2	20	
Lithium	ug/L	46.7	1000	1000	1040	1020	99	98	75-125	2	20	
Magnesium	ug/L	75300	10000	10000	82300	81800	69	64	75-125	1	20	P6
Manganese	ug/L	572	1000	1000	1480	1470	91	90	75-125	1	20	
Molybdenum	ug/L	111	1000	1000	1140	1120	103	101	75-125	2	20	
Potassium	ug/L	11600	10000	10000	21700	21400	100	98	75-125	1	20	
Sodium	ug/L	536000	10000	10000	543000	536000	64	-6	75-125	1	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 792763
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3627713 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/31/24 09:45	

LABORATORY CONTROL SAMPLE: 3627714

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: 3627715 3627716

Parameter	Units	50373865001 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	1010	103	101	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 792515
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3626715 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.27	05/30/24 08:59	
Arsenic	ug/L	ND	1.0	0.11	05/30/24 08:59	
Beryllium	ug/L	ND	0.20	0.030	05/30/24 08:59	
Cobalt	ug/L	ND	1.0	0.16	05/30/24 08:59	
Selenium	ug/L	ND	1.0	0.22	05/30/24 08:59	
Thallium	ug/L	ND	1.0	0.043	05/30/24 08:59	

LABORATORY CONTROL SAMPLE: 3626716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.7	97	80-120	
Beryllium	ug/L	40	39.6	99	80-120	
Cobalt	ug/L	40	40.2	101	80-120	
Selenium	ug/L	40	39.2	98	80-120	
Thallium	ug/L	40	40.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626717 3626718

Parameter	Units	50373958001 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	41.8	106	104	75-125	2	20	
Arsenic	ug/L	5.0	40	40	44.2	42.5	98	94	75-125	4	20	
Beryllium	ug/L	<1.0	40	40	37.6	36.6	94	91	75-125	3	20	CL
Cobalt	ug/L	<1.0	40	40	39.1	38.6	98	96	75-125	1	20	
Selenium	ug/L	<1.0	40	40	41.2	40.0	102	99	75-125	3	20	
Thallium	ug/L	<1.0	40	40	41.5	40.0	104	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 792396
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3626309 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/28/24 20:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/28/24 20:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/28/24 20:45	

LABORATORY CONTROL SAMPLE: 3626310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	90-110	

SAMPLE DUPLICATE: 3626311

Parameter	Units	50373757001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	282	288	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	282	288	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3626312

Parameter	Units	50373759001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	288	295	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	288	295	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 791848
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3623548 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/24/24 07:20	

LABORATORY CONTROL SAMPLE: 3623549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	80-120	

SAMPLE DUPLICATE: 3623550

Parameter	Units	50374037013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1010	1030	2	10	

SAMPLE DUPLICATE: 3623551

Parameter	Units	50373758007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	629	634	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 793683
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: 50373757001, 50373757002, 50373757003

SAMPLE DUPLICATE: 3631416

Parameter	Units	50373757001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.4	6.5	2	2	H3

SAMPLE DUPLICATE: 3631417

Parameter	Units	50373759002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 791288
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: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3620859 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/22/24 03:08	

LABORATORY CONTROL SAMPLE: 3620860

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: 3620864 3620865

Parameter	Units	50373757001 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	99	98	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 793088 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3628913 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/31/24 15:27	

LABORATORY CONTROL SAMPLE: 3628914

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: 3628915 3628916

Parameter	Units	50373655001 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	11.3	11.5	100	103	80-120	2	20	

MATRIX SPIKE SAMPLE: 3628917

Parameter	Units	50373758004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.3	10	11.0	86	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: MW-10S **Lab ID: 50373757001** Collected: 05/21/24 15:11 Received: 05/21/24 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	**0.372 ± 0.517 (0.874) C:NA T:88%**	pCi/L	06/13/24 15:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.245 ± 0.290 (0.606) C:76% T:87%**	pCi/L	06/11/24 11:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.617 ± 0.807 (1.48)**	pCi/L	06/13/24 16:54	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: MW-10D **Lab ID: 50373757002** Collected: 05/21/24 13:36 Received: 05/21/24 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	**1.27 ± 0.923 (1.39) C:NA T:87%**	pCi/L	06/13/24 15:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.988 ± 0.450 (0.745) C:78% T:82%**	pCi/L	06/11/24 11:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.26 ± 1.37 (2.14)**	pCi/L	06/13/24 16:54	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Sample: Field Blank 1 **Lab ID: 50373757003** Collected: 05/21/24 13:08 Received: 05/21/24 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	**-0.321 ± 0.578 (1.25) C:NA T:92%**	pCi/L	06/13/24 15:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.336 ± 0.313 (0.637) C:83% T:90%**	pCi/L	06/11/24 11:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.336 ± 0.891 (1.89)**	pCi/L	06/13/24 16:54	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 671157
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: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3268402 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.0386 ± 0.333 (0.787) C:77% T:81%	pCi/L	06/11/24 11:49	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

QC Batch: 671155
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: 50373757001, 50373757002, 50373757003

METHOD BLANK: 3268393 Matrix: Water
Associated Lab Samples: 50373757001, 50373757002, 50373757003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.220 (0.493) C:NA T:89%	pCi/L	06/13/24 15:22	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

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.
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.
PL	The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R1
Pace Project No.: 50373757

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373757001	**MW-10S**	EPA 9056	791987		
50373757002	**MW-10D**	EPA 9056	791987		
50373757003	**Field Blank 1**	EPA 9056	791987		
50373757001	**MW-10S**	EPA 3010	791279	EPA 6010	791546
50373757002	**MW-10D**	EPA 3010	791279	EPA 6010	791546
50373757003	**Field Blank 1**	EPA 3010	791279	EPA 6010	791546
50373757001	**MW-10S**	EPA 3010	792763	EPA 6010	793009
50373757002	**MW-10D**	EPA 3010	792763	EPA 6010	793009
50373757003	**Field Blank 1**	EPA 3010	792763	EPA 6010	793009
50373757001	**MW-10S**	EPA 200.2	792515	EPA 6020	792694
50373757002	**MW-10D**	EPA 200.2	792515	EPA 6020	792694
50373757003	**Field Blank 1**	EPA 200.2	792515	EPA 6020	792694
50373757001	**MW-10S**	EPA 7470	792843	EPA 7470	793263
50373757002	**MW-10D**	EPA 7470	792843	EPA 7470	793263
50373757003	**Field Blank 1**	EPA 7470	792843	EPA 7470	793263
50373757001	**MW-10S**	EPA 903.1	671155		
50373757002	**MW-10D**	EPA 903.1	671155		
50373757003	**Field Blank 1**	EPA 903.1	671155		
50373757001	**MW-10S**	EPA 904.0	671157		
50373757002	**MW-10D**	EPA 904.0	671157		
50373757003	**Field Blank 1**	EPA 904.0	671157		
50373757001	**MW-10S**	Total Radium Calculation	675747		
50373757002	**MW-10D**	Total Radium Calculation	675747		
50373757003	**Field Blank 1**	Total Radium Calculation	675747		
50373757001	**MW-10S**	SM 2320B	792396		
50373757002	**MW-10D**	SM 2320B	792396		
50373757003	**Field Blank 1**	SM 2320B	792396		
50373757001	**MW-10S**	SM 2540C	791848		
50373757002	**MW-10D**	SM 2540C	791848		
50373757003	**Field Blank 1**	SM 2540C	791848		
50373757001	**MW-10S**	SM 4500-H+B	793683		
50373757002	**MW-10D**	SM 4500-H+B	793683		
50373757003	**Field Blank 1**	SM 4500-H+B	793683		
50373757001	**MW-10S**	EPA 353.2	791288		
50373757002	**MW-10D**	EPA 353.2	791288		
50373757003	**Field Blank 1**	EPA 353.2	791288		
50373757001	**MW-10S**	SM 5310C	793088		
50373757002	**MW-10D**	SM 5310C	793088		
50373757003	**Field Blank 1**	SM 5310C	793088		

REPORT OF LABORATORY ANALYSIS

WO# : 50373757

50373757

Pace

Submitting a sample via this chain of custody constitutes ac

Request Document

evant fields must be completed accurately.

at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Invoice Information:	
Company:	Atlas	Report To:	Mark Breting	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	Regulatory Agency
Email:	mark.breting@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-313-8306 Fax:	Project Name:	Harding Street May 2024	Pace Project Manager:	will.statz@pacelabs.com, State / Location
Requested Due Date:		Project #:	PIRI	Pace Profile #:	10498-57 IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532					Residual Chlorine (Y/N)	
1	MW-10S	WT		5.21.24	1511				8	3	1	4						X	X	X	X	X	X	X	X					001
2	MW-10D	WT		↓	1336				8	3	1	4						X	X	X	X	X	X	X	X					002
3	Field BLANK 1	WT		5.21.24	1308				8	3	1	4						X	X	X	X	X	X	X	X					003
4		WT																X	X	X	X	X	X	X	X					
5		WT																X	X	X	X	X	X	X	X					
6		WT																X	X	X	X	X	X	X	X					
7		WT																X	X	X	X	X	X	X	X					
8		WT																X	X	X	X	X	X	X	X					
9		WT																X	X	X	X	X	X	X	X					
10		WT																X	X	X	X	X	X	X	X					
11		WT																X	X	X	X	X	X	X	X					
12																		X	X	X	X	X	X	X	X					

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILL JR / ATLAS	5.21.24		Chelsea B	5/21	1630	02	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN A. MAGILL JR

SIGNATURE of SAMPLER:

DATE Signed: 5.21.24

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

F-IN-Q-290-rev.26, 30Apr2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CB 5/21/24 17:20

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H
4. **Cooler Temperature(s):** 0.2/0.2 | | | |
   (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
8. **EZ Bottle Order?** ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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: ~~DOD~~ NO3 CB 5/21	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 18:06		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 RED 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	2	1	1	1							WT	✓	✓		
2													1			1	1	1	1	1							1	1	1			
3													1			1	1	1	1	1							1	1	1			
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 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,

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: Harding Street May 2024 P1R3
Pace Project No.: 50373759

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373759001	**M-4**	Water	05/21/24 13:40	05/21/24 16:30
50373759002	**FIELD BLANK 3**	Water	05/21/24 13:40	05/21/24 16:30

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373759001	**M-4**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	DMC	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373759002	**FIELD BLANK 3**	EPA 9056	KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	NWB	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	DMC	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373759001	**M-4**					
EPA 9056	Chloride	136	mg/L	2.5	05/30/24 14:48	
EPA 9056	Fluoride	0.25	mg/L	0.10	05/30/24 14:30	
EPA 9056	Sulfate	1040	mg/L	25.0	05/30/24 15:05	
EPA 6010	Barium	168	ug/L	10.0	06/01/24 00:33	
EPA 6010	Boron	24800	ug/L	100	06/01/24 00:33	
EPA 6010	Calcium	377000	ug/L	5000	06/01/24 01:24	
EPA 6010	Iron	5490	ug/L	100	06/01/24 00:33	
EPA 6010	Lithium	279	ug/L	20.0	06/01/24 00:33	
EPA 6010	Magnesium	44500	ug/L	1000	06/01/24 00:33	
EPA 6010	Manganese	929	ug/L	10.0	06/01/24 00:33	
EPA 6010	Molybdenum	239	ug/L	10.0	06/01/24 00:33	
EPA 6010	Potassium	27000	ug/L	1000	06/01/24 00:33	
EPA 6010	Sodium	130000	ug/L	1000	06/01/24 00:33	
EPA 6010	Molybdenum, Dissolved	230	ug/L	10.0	05/31/24 10:29	
EPA 6020	Arsenic	749	ug/L	5.0	06/02/24 22:32	
EPA 903.1	Radium-226	1.45 ± 0.654 (0.485) C:NA T:85%	pCi/L		06/14/24 16:17	
EPA 904.0	Radium-228	0.751 ± 0.368 (0.616) C:85% T:84%	pCi/L		06/12/24 14:27	
Total Radium Calculation	Total Radium	2.20 ± 1.02 (1.10)	pCi/L		06/14/24 17:13	
SM 2320B	Alkalinity, Total as CaCO3	288	mg/L	10.0	05/28/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	288	mg/L	10.0	05/28/24 20:45	
SM 2540C	Total Dissolved Solids	1860	mg/L	20.0	05/24/24 07:24	
SM 4500-H+B	pH at 25 Degrees C	7.3	Std. Units	0.10	06/04/24 17:00	H3
SM 5310C	Dissolved Organic Carbon	4.5	mg/L	1.0	05/31/24 21:58	
50373759002	**FIELD BLANK 3**					
EPA 903.1	Radium-226	-0.349 ± 0.537 (1.17) C:NA T:88%	pCi/L		06/14/24 16:17	
EPA 904.0	Radium-228	0.174 ± 0.311 (0.682) C:83% T:82%	pCi/L		06/12/24 14:27	
Total Radium Calculation	Total Radium	0.174 ± 0.848 (1.85)	pCi/L		06/14/24 17:13	
SM 4500-H+B	pH at 25 Degrees C	8.1	Std. Units	0.10	06/04/24 17:04	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Sample: M-4 **Lab ID: 50373759001** Collected: 05/21/24 13:40 Received: 05/21/24 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	**136**	mg/L	2.5	0.67	10		05/30/24 14:48	16887-00-6	
Fluoride	**0.25**	mg/L	0.10	0.017	1		05/30/24 14:30	16984-48-8	
Sulfate	**1040**	mg/L	25.0	19.0	100		05/30/24 15:05	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**168**	ug/L	10.0	0.45	1	05/27/24 20:38	06/01/24 00:33	7440-39-3	
Boron	**24800**	ug/L	100	6.2	1	05/27/24 20:38	06/01/24 00:33	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/27/24 20:38	06/01/24 00:33	7440-43-9	
Calcium	**377000**	ug/L	5000	338	5	05/27/24 20:38	06/01/24 01:24	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/27/24 20:38	06/01/24 00:33	7440-47-3	
Iron	**5490**	ug/L	100	30.0	1	05/27/24 20:38	06/01/24 00:33	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/27/24 20:38	06/01/24 00:33	7439-92-1	
Lithium	**279**	ug/L	20.0	6.8	1	05/27/24 20:38	06/01/24 00:33	7439-93-2	
Magnesium	**44500**	ug/L	1000	33.6	1	05/27/24 20:38	06/01/24 00:33	7439-95-4	
Manganese	**929**	ug/L	10.0	1.8	1	05/27/24 20:38	06/01/24 00:33	7439-96-5	
Molybdenum	**239**	ug/L	10.0	0.78	1	05/27/24 20:38	06/01/24 00:33	7439-98-7	
Potassium	**27000**	ug/L	1000	97.8	1	05/27/24 20:38	06/01/24 00:33	7440-09-7	
Sodium	**130000**	ug/L	1000	54.8	1	05/27/24 20:38	06/01/24 00:33	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**230**	ug/L	10.0	1.1	1	05/30/24 22:28	05/31/24 10:29	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	0.27	1	05/29/24 15:17	05/30/24 09:22	7440-36-0	
Arsenic	**749**	ug/L	5.0	0.54	5	05/29/24 15:17	06/02/24 22:32	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/29/24 15:17	05/30/24 09:22	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/29/24 15:17	05/30/24 09:22	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/29/24 15:17	05/30/24 09:22	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/29/24 15:17	05/30/24 09:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/31/24 09:53	06/02/24 17:12	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Indianapolis								
Alkalinity, Total as CaCO3	**288**	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**288**	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Sample: M-4 **Lab ID: 50373759001** Collected: 05/21/24 13:40 Received: 05/21/24 16:30 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	**1860**	mg/L	20.0	20.0	1		05/24/24 07:24		
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		06/04/24 17:00		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		05/22/24 03:23	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		05/31/24 21:58		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Sample: FIELD BLANK 3 **Lab ID: 50373759002** Collected: 05/21/24 13:40 Received: 05/21/24 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	0.067	1		06/06/24 14:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		06/06/24 14:48	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		06/06/24 14:48	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	ND	ug/L	10.0	0.45	1	05/27/24 20:38	06/01/24 00:35	7440-39-3	
Boron	ND	ug/L	100	6.2	1	05/27/24 20:38	06/01/24 00:35	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/27/24 20:38	06/01/24 00:35	7440-43-9	
Calcium	ND	ug/L	1000	67.7	1	05/27/24 20:38	06/01/24 00:35	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/27/24 20:38	06/01/24 00:35	7440-47-3	
Iron	ND	ug/L	100	30.0	1	05/27/24 20:38	06/01/24 00:35	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/27/24 20:38	06/01/24 00:35	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/27/24 20:38	06/01/24 00:35	7439-93-2	
Magnesium	ND	ug/L	1000	33.6	1	05/27/24 20:38	06/01/24 00:35	7439-95-4	
Manganese	ND	ug/L	10.0	1.8	1	05/27/24 20:38	06/01/24 00:35	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/27/24 20:38	06/01/24 00:35	7439-98-7	
Potassium	ND	ug/L	1000	97.8	1	05/27/24 20:38	06/01/24 00:35	7440-09-7	
Sodium	ND	ug/L	1000	54.8	1	05/27/24 20:38	06/01/24 00:35	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	1.1	1	05/30/24 22:28	05/31/24 10:34	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	0.27	1	05/29/24 15:17	05/30/24 09:26	7440-36-0	
Arsenic	ND	ug/L	1.0	0.11	1	05/29/24 15:17	05/30/24 09:26	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/29/24 15:17	05/30/24 09:26	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/29/24 15:17	05/30/24 09:26	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/29/24 15:17	05/30/24 09:26	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/29/24 15:17	05/30/24 09:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/31/24 09:53	06/02/24 17:14	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		05/28/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Sample: FIELD BLANK 3 **Lab ID: 50373759002** Collected: 05/21/24 13:40 Received: 05/21/24 16:30 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	ND	mg/L	10.0	10.0	1		05/24/24 07:24		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**8.1**	Std. Units	0.10	0.10	1		06/04/24 17:04		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		05/22/24 03:24	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		05/31/24 22:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 792562
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3626920 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/30/24 20:36	
Fluoride	mg/L	ND	0.10	0.017	05/30/24 20:36	
Sulfate	mg/L	ND	0.25	0.19	05/30/24 20:36	

LABORATORY CONTROL SAMPLE: 3626921

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	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626922 3626923

Parameter	Units	50373770003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	33.5	25	25	57.0	58.7	94	101	80-120	3	15	
Fluoride	mg/L	0.10	1	1	1.0	1.0	93	91	80-120	1	15	
Sulfate	mg/L	127	50	50	170	182	86	109	80-120	7	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 792843
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3627997 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	06/02/24 16:40	

LABORATORY CONTROL SAMPLE: 3627998

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: 3627999 3628000

Parameter	Units	50373676003 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	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 791532
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3622044 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	06/01/24 00:29	
Boron	ug/L	ND	100	6.2	06/01/24 00:29	
Cadmium	ug/L	ND	2.0	0.60	06/01/24 00:29	
Calcium	ug/L	ND	1000	67.7	06/01/24 00:29	
Chromium	ug/L	ND	10.0	0.42	06/01/24 00:29	
Iron	ug/L	ND	100	30.0	06/01/24 00:29	
Lead	ug/L	ND	10.0	2.5	06/01/24 00:29	
Lithium	ug/L	ND	20.0	6.8	06/01/24 00:29	
Magnesium	ug/L	ND	1000	33.6	06/01/24 00:29	
Manganese	ug/L	ND	10.0	1.8	06/01/24 00:29	
Molybdenum	ug/L	ND	10.0	0.78	06/01/24 00:29	
Potassium	ug/L	ND	1000	97.8	06/01/24 00:29	
Sodium	ug/L	ND	1000	54.8	06/01/24 00:29	

LABORATORY CONTROL SAMPLE: 3622045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	951	95	80-120	
Boron	ug/L	1000	939	94	80-120	
Cadmium	ug/L	1000	944	94	80-120	
Calcium	ug/L	10000	9660	97	80-120	
Chromium	ug/L	1000	938	94	80-120	
Iron	ug/L	10000	9400	94	80-120	
Lead	ug/L	1000	942	94	80-120	
Lithium	ug/L	1000	955	96	80-120	
Magnesium	ug/L	10000	9510	95	80-120	
Manganese	ug/L	1000	962	96	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9540	95	80-120	
Sodium	ug/L	10000	9460	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622046 3622047

Parameter	Units	50373785002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	72.6	1000	1000	1030	1010	96	94	75-125	2	20	
Boron	ug/L	ND	1000	1000	1040	1030	95	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622046 3622047

Parameter	Units	50373785002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	ND	1000	1000	945	931	95	93	75-125	2	20	
Calcium	ug/L	133000	10000	10000	143000	139000	103	64	75-125	3	20	P6
Chromium	ug/L	ND	1000	1000	925	910	92	91	75-125	2	20	
Iron	ug/L	351	10000	10000	9550	9370	92	90	75-125	2	20	
Lead	ug/L	ND	1000	1000	916	903	92	90	75-125	1	20	
Lithium	ug/L	ND	1000	1000	976	951	97	95	75-125	3	20	
Magnesium	ug/L	44300	10000	10000	54000	52500	97	83	75-125	3	20	
Manganese	ug/L	263	1000	1000	1200	1180	94	92	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1010	991	101	99	75-125	2	20	
Potassium	ug/L	ND	10000	10000	9990	9700	96	94	75-125	3	20	
Sodium	ug/L	4520	10000	10000	14100	13700	96	92	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622048 3622049

Parameter	Units	50373786001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	21.6	1000	1000	974	989	95	97	75-125	1	20	
Boron	ug/L	14500	1000	1000	15200	15500	71	103	75-125	2	20	P6
Cadmium	ug/L	ND	1000	1000	970	984	97	98	75-125	1	20	
Calcium	ug/L	517000	10000	10000	518000	521000	7	36	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	929	945	93	95	75-125	2	20	
Iron	ug/L	11200	10000	10000	20400	20600	91	94	75-125	1	20	
Lead	ug/L	ND	1000	1000	904	920	90	92	75-125	2	20	
Lithium	ug/L	ND	1000	1000	988	993	98	99	75-125	0	20	
Magnesium	ug/L	91100	10000	10000	99300	101000	82	96	75-125	1	20	
Manganese	ug/L	1500	1000	1000	2420	2440	92	94	75-125	1	20	
Molybdenum	ug/L	35.4	1000	1000	1060	1070	102	104	75-125	1	20	
Potassium	ug/L	2740	10000	10000	12500	12500	98	98	75-125	0	20	
Sodium	ug/L	19100	10000	10000	28400	28600	93	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 792763
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3627713 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/31/24 09:45	

LABORATORY CONTROL SAMPLE: 3627714

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: 3627715 3627716

Parameter	Units	50373865001 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	1010	103	101	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 792515
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3626715 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.27	05/30/24 08:59	
Arsenic	ug/L	ND	1.0	0.11	05/30/24 08:59	
Beryllium	ug/L	ND	0.20	0.030	05/30/24 08:59	
Cobalt	ug/L	ND	1.0	0.16	05/30/24 08:59	
Selenium	ug/L	ND	1.0	0.22	05/30/24 08:59	
Thallium	ug/L	ND	1.0	0.043	05/30/24 08:59	

LABORATORY CONTROL SAMPLE: 3626716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.7	97	80-120	
Beryllium	ug/L	40	39.6	99	80-120	
Cobalt	ug/L	40	40.2	101	80-120	
Selenium	ug/L	40	39.2	98	80-120	
Thallium	ug/L	40	40.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626717 3626718

Parameter	Units	50373958001 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	41.8	106	104	75-125	2	20	
Arsenic	ug/L	5.0	40	40	44.2	42.5	98	94	75-125	4	20	
Beryllium	ug/L	<1.0	40	40	37.6	36.6	94	91	75-125	3	20	CL
Cobalt	ug/L	<1.0	40	40	39.1	38.6	98	96	75-125	1	20	
Selenium	ug/L	<1.0	40	40	41.2	40.0	102	99	75-125	3	20	
Thallium	ug/L	<1.0	40	40	41.5	40.0	104	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 792396
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3626309 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/28/24 20:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/28/24 20:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/28/24 20:45	

LABORATORY CONTROL SAMPLE: 3626310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	90-110	

SAMPLE DUPLICATE: 3626311

Parameter	Units	50373757001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	282	288	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	282	288	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3626312

Parameter	Units	50373759001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	288	295	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	288	295	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 791848
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3623548 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/24/24 07:20	

LABORATORY CONTROL SAMPLE: 3623549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	80-120	

SAMPLE DUPLICATE: 3623550

Parameter	Units	50374037013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1010	1030	2	10	

SAMPLE DUPLICATE: 3623551

Parameter	Units	50373758007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	629	634	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 793683
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: 50373759001, 50373759002

SAMPLE DUPLICATE: 3631416

Parameter	Units	50373757001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.4	6.5	2	2	H3

SAMPLE DUPLICATE: 3631417

Parameter	Units	50373759002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.0	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 791288
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: 50373759001, 50373759002

METHOD BLANK: 3620859 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/22/24 03:08	

LABORATORY CONTROL SAMPLE: 3620860

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: 3620864 3620865

Parameter	Units	50373757001 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	99	98	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 793088
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373759001, 50373759002

METHOD BLANK: 3628913 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/31/24 15:27	

LABORATORY CONTROL SAMPLE: 3628914

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: 3628915 3628916

Parameter	Units	50373655001 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	11.3	11.5	100	103	80-120	2	20	

MATRIX SPIKE SAMPLE: 3628917

Parameter	Units	50373758004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.3	10	11.0	86	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Sample: M-4 **Lab ID: 50373759001** Collected: 05/21/24 13:40 Received: 05/21/24 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	**1.45 ± 0.654 (0.485) C:NA T:85%**	pCi/L	06/14/24 16:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.751 ± 0.368 (0.616) C:85% T:84%**	pCi/L	06/12/24 14:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.20 ± 1.02 (1.10)**	pCi/L	06/14/24 17:13	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Sample: FIELD BLANK 3 **Lab ID: 50373759002** Collected: 05/21/24 13:40 Received: 05/21/24 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	**-0.349 ± 0.537 (1.17) C:NA T:88%**	pCi/L	06/14/24 16:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.174 ± 0.311 (0.682) C:83% T:82%**	pCi/L	06/12/24 14:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.174 ± 0.848 (1.85)**	pCi/L	06/14/24 17:13	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 671179
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: 50373759001, 50373759002

METHOD BLANK: 3268457 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.139 ± 0.240 (0.429) C:NA T:93%	pCi/L	06/14/24 14:50	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

QC Batch: 671180
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: 50373759001, 50373759002

METHOD BLANK: 3268458 Matrix: Water
Associated Lab Samples: 50373759001, 50373759002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.451 ± 0.338 (0.656) C:82% T:86%	pCi/L	06/12/24 14:24	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

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.
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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R3
Pace Project No.: 50373759

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373759001	**M-4**	EPA 9056	792562		
50373759002	**FIELD BLANK 3**	EPA 9056	792562		
50373759001	**M-4**	EPA 3010	791532	EPA 6010	793197
50373759002	**FIELD BLANK 3**	EPA 3010	791532	EPA 6010	793197
50373759001	**M-4**	EPA 3010	792763	EPA 6010	793009
50373759002	**FIELD BLANK 3**	EPA 3010	792763	EPA 6010	793009
50373759001	**M-4**	EPA 200.2	792515	EPA 6020	792694
50373759002	**FIELD BLANK 3**	EPA 200.2	792515	EPA 6020	792694
50373759001	**M-4**	EPA 7470	792843	EPA 7470	793263
50373759002	**FIELD BLANK 3**	EPA 7470	792843	EPA 7470	793263
50373759001	**M-4**	EPA 903.1	671179		
50373759002	**FIELD BLANK 3**	EPA 903.1	671179		
50373759001	**M-4**	EPA 904.0	671180		
50373759002	**FIELD BLANK 3**	EPA 904.0	671180		
50373759001	**M-4**	Total Radium Calculation	676066		
50373759002	**FIELD BLANK 3**	Total Radium Calculation	676066		
50373759001	**M-4**	SM 2320B	792396		
50373759002	**FIELD BLANK 3**	SM 2320B	792396		
50373759001	**M-4**	SM 2540C	791848		
50373759002	**FIELD BLANK 3**	SM 2540C	791848		
50373759001	**M-4**	SM 4500-H+B	793683		
50373759002	**FIELD BLANK 3**	SM 4500-H+B	793683		
50373759001	**M-4**	EPA 353.2	791288		
50373759002	**FIELD BLANK 3**	EPA 353.2	791288		
50373759001	**M-4**	SM 5310C	793088		
50373759002	**FIELD BLANK 3**	SM 5310C	793088		

WO# : 50373759

50373759

equest Document

ant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes ackn https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:		
Company: Atlas	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	Regulatory Agency
Suite 100, Indianapolis, IN 46256		Address:	
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,	State / Location
Requested Due Date:	Project #: PIR3	Pace Profile #: 10498-57	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
1	M-4	WT		5.21.24	1340				8	3	1	4						x	x	x	x	x	x	x	x		001
2	FIELD BLANK 3	WT		5.21.24	1340				8	3	1	4						x	x	x	x	x	x	x	x		002
3		WT																x	x	x	x	x	x	x	x		
4		WT																x	x	x	x	x	x	x	x		
5		WT																x	x	x	x	x	x	x	x		
6		WT																x	x	x	x	x	x	x	x		
7		WT																x	x	x	x	x	x	x	x		
8		WT																x	x	x	x	x	x	x	x		
9		WT																x	x	x	x	x	x	x	x		
10		WT																x	x	x	x	x	x	x	x		
11		WT																x	x	x	x	x	x	x	x		
12																		x	x	x	x	x	x	x	x		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILLJR / ATLAS	5.21.24		Chelsea B	5/21/24	1630	1.7	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	JOHN A. MAGILL JR.		TEMP in C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:		DATE Signed: 5.21.24	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CB 5/21/24 17:47

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H
4. **Cooler Temperature(s):** 1.7/1.7 (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
8. **EZ Bottle Order?** ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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: NO3	✓		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: 18:15		✓	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 RED 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	2	1	1	1								WT	✓	✓		
2													1			1	1	1	1	1								L	✓	✓		
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL 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		
BP3R	250mL Unpres. FF SO4/OH buffer		

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 27, 2024

Mr. Mark Breting
ATC Group Services
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Dear Mr. Breting:

Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 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,

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: Harding Street May 2024 P1R2
Pace Project No.: 50373760

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
Ohio VAP Certified Laboratory #: CL0065
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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373760001	**MW-108D**	Water	05/21/24 10:50	05/21/24 16:30
50373760002	**FIELD BLANK 2**	Water	05/21/24 11:27	05/21/24 16:30

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373760001	**MW-108D**	EPA 9056	ADM, KBB	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	DMC	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I
50373760002	**FIELD BLANK 2**	EPA 9056	ADM	3	PASI-I
		EPA 6010	JPK	13	PASI-I
		EPA 6010	ABH	1	PASI-I
		EPA 6020	DMT	6	PASI-I
		EPA 7470	EAE	1	PASI-I
		EPA 903.1	DMC	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	SL	1	PASI-I
		SM 4500-H+B	LHZ	1	PASI-I
		EPA 353.2	DAW	1	PASI-I
		SM 5310C	YAM	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373760001	**MW-108D**					
EPA 9056	Chloride	244	mg/L	2.5	05/30/24 16:50	
EPA 9056	Fluoride	0.62	mg/L	0.10	05/30/24 16:32	
EPA 9056	Sulfate	673	mg/L	25.0	06/07/24 11:28	
EPA 6010	Barium	39.1	ug/L	10.0	06/01/24 00:37	
EPA 6010	Boron	5550	ug/L	100	06/01/24 00:37	
EPA 6010	Calcium	236000	ug/L	2000	06/01/24 01:26	
EPA 6010	Iron	5400	ug/L	100	06/01/24 00:37	
EPA 6010	Lithium	67.0	ug/L	20.0	06/01/24 00:37	
EPA 6010	Magnesium	63200	ug/L	1000	06/01/24 00:37	
EPA 6010	Manganese	426	ug/L	10.0	06/01/24 00:37	
EPA 6010	Molybdenum	128	ug/L	10.0	06/01/24 00:37	
EPA 6010	Potassium	11400	ug/L	1000	06/01/24 00:37	
EPA 6010	Sodium	139000	ug/L	1000	06/01/24 00:37	
EPA 6010	Molybdenum, Dissolved	128	ug/L	10.0	05/28/24 21:38	
EPA 903.1	Radium-226	0.301 ± 0.516 (0.904) C:NA T:86%	pCi/L		06/14/24 16:02	
EPA 904.0	Radium-228	0.244 ± 0.321 (0.683) C:80% T:84%	pCi/L		06/12/24 14:26	
Total Radium Calculation	Total Radium	0.545 ± 0.837 (1.59)	pCi/L		06/14/24 17:13	
SM 2320B	Alkalinity, Total as CaCO3	263	mg/L	10.0	05/28/24 20:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	10.0	05/28/24 20:45	
SM 2540C	Total Dissolved Solids	1390	mg/L	20.0	05/24/24 07:25	
SM 4500-H+B	pH at 25 Degrees C	6.6	Std. Units	0.10	06/05/24 15:11	H3
50373760002	**FIELD BLANK 2**					
EPA 903.1	Radium-226	-0.523 ± 0.483 (1.19) C:NA T:88%	pCi/L		06/14/24 16:02	
EPA 904.0	Radium-228	0.373 ± 0.336 (0.680) C:82% T:87%	pCi/L		06/12/24 14:27	
Total Radium Calculation	Total Radium	0.373 ± 0.819 (1.87)	pCi/L		06/14/24 17:13	
SM 4500-H+B	pH at 25 Degrees C	8.1	Std. Units	0.10	06/05/24 15:12	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Sample: MW-108D **Lab ID: 50373760001** Collected: 05/21/24 10:50 Received: 05/21/24 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	**244**	mg/L	2.5	0.67	10		05/30/24 16:50	16887-00-6	
Fluoride	**0.62**	mg/L	0.10	0.017	1		05/30/24 16:32	16984-48-8	
Sulfate	**673**	mg/L	25.0	19.0	100		06/07/24 11:28	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	**39.1**	ug/L	10.0	0.45	1	05/27/24 20:38	06/01/24 00:37	7440-39-3	
Boron	**5550**	ug/L	100	6.2	1	05/27/24 20:38	06/01/24 00:37	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/27/24 20:38	06/01/24 00:37	7440-43-9	
Calcium	**236000**	ug/L	2000	135	2	05/27/24 20:38	06/01/24 01:26	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/27/24 20:38	06/01/24 00:37	7440-47-3	
Iron	**5400**	ug/L	100	30.0	1	05/27/24 20:38	06/01/24 00:37	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/27/24 20:38	06/01/24 00:37	7439-92-1	
Lithium	**67.0**	ug/L	20.0	6.8	1	05/27/24 20:38	06/01/24 00:37	7439-93-2	
Magnesium	**63200**	ug/L	1000	33.6	1	05/27/24 20:38	06/01/24 00:37	7439-95-4	
Manganese	**426**	ug/L	10.0	1.8	1	05/27/24 20:38	06/01/24 00:37	7439-96-5	
Molybdenum	**128**	ug/L	10.0	0.78	1	05/27/24 20:38	06/01/24 00:37	7439-98-7	
Potassium	**11400**	ug/L	1000	97.8	1	05/27/24 20:38	06/01/24 00:37	7440-09-7	
Sodium	**139000**	ug/L	1000	54.8	1	05/27/24 20:38	06/01/24 00:37	7440-23-5	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Molybdenum, Dissolved	**128**	ug/L	10.0	1.1	1	05/23/24 21:53	05/28/24 21:38	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	0.27	1	05/29/24 15:17	05/30/24 09:29	7440-36-0	
Arsenic	ND	ug/L	1.0	0.11	1	05/29/24 15:17	05/30/24 09:29	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/29/24 15:17	05/30/24 09:29	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/29/24 15:17	05/30/24 09:29	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/29/24 15:17	05/30/24 09:29	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/29/24 15:17	05/30/24 09:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/31/24 09:53	06/02/24 17:16	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		05/28/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Sample: MW-108D **Lab ID: 50373760001** Collected: 05/21/24 10:50 Received: 05/21/24 16:30 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	**1390**	mg/L	20.0	20.0	1		05/24/24 07:25		
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		06/05/24 15:11		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		05/22/24 03:02	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		06/03/24 12:23		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Sample: FIELD BLANK 2 **Lab ID: 50373760002** Collected: 05/21/24 11:27 Received: 05/21/24 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	0.067	1		06/07/24 11:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.017	1		06/07/24 11:45	16984-48-8	
Sulfate	ND	mg/L	0.25	0.19	1		06/07/24 11:45	14808-79-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis								
Barium	ND	ug/L	10.0	0.45	1	05/27/24 20:38	06/01/24 00:38	7440-39-3	
Boron	ND	ug/L	100	6.2	1	05/27/24 20:38	06/01/24 00:38	7440-42-8	
Cadmium	ND	ug/L	2.0	0.60	1	05/27/24 20:38	06/01/24 00:38	7440-43-9	
Calcium	ND	ug/L	1000	67.7	1	05/27/24 20:38	06/01/24 00:38	7440-70-2	
Chromium	ND	ug/L	10.0	0.42	1	05/27/24 20:38	06/01/24 00:38	7440-47-3	
Iron	ND	ug/L	100	30.0	1	05/27/24 20:38	06/01/24 00:38	7439-89-6	
Lead	ND	ug/L	10.0	2.5	1	05/27/24 20:38	06/01/24 00:38	7439-92-1	
Lithium	ND	ug/L	20.0	6.8	1	05/27/24 20:38	06/01/24 00:38	7439-93-2	
Magnesium	ND	ug/L	1000	33.6	1	05/27/24 20:38	06/01/24 00:38	7439-95-4	
Manganese	ND	ug/L	10.0	1.8	1	05/27/24 20:38	06/01/24 00:38	7439-96-5	
Molybdenum	ND	ug/L	10.0	0.78	1	05/27/24 20:38	06/01/24 00:38	7439-98-7	
Potassium	ND	ug/L	1000	97.8	1	05/27/24 20:38	06/01/24 00:38	7440-09-7	
Sodium	ND	ug/L	1000	54.8	1	05/27/24 20:38	06/01/24 00:38	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	1.1	1	05/23/24 21:53	05/28/24 21:40	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	0.27	1	05/29/24 15:17	05/30/24 09:33	7440-36-0	
Arsenic	ND	ug/L	1.0	0.11	1	05/29/24 15:17	05/30/24 09:33	7440-38-2	
Beryllium	ND	ug/L	0.20	0.030	1	05/29/24 15:17	05/30/24 09:33	7440-41-7	
Cobalt	ND	ug/L	1.0	0.16	1	05/29/24 15:17	05/30/24 09:33	7440-48-4	
Selenium	ND	ug/L	1.0	0.22	1	05/29/24 15:17	05/30/24 09:33	7782-49-2	
Thallium	ND	ug/L	1.0	0.043	1	05/29/24 15:17	05/30/24 09:33	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Indianapolis								
Mercury	ND	ug/L	0.20	0.091	1	05/31/24 09:53	06/02/24 17:19	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		05/28/24 20:45		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	10.0	10.0	1		05/28/24 20:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Sample: FIELD BLANK 2 **Lab ID: 50373760002** Collected: 05/21/24 11:27 Received: 05/21/24 16:30 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	ND	mg/L	10.0	10.0	1		05/24/24 07:25		PL
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B Pace Analytical Services - Indianapolis								
pH at 25 Degrees C	**8.1**	Std. Units	0.10	0.10	1		06/05/24 15:12		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		05/22/24 02:51	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		05/31/24 23:56		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 792562
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3626920 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	0.067	05/30/24 20:36	
Fluoride	mg/L	ND	0.10	0.017	05/30/24 20:36	
Sulfate	mg/L	ND	0.25	0.19	05/30/24 20:36	

LABORATORY CONTROL SAMPLE: 3626921

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	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626922 3626923

Parameter	Units	50373770003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	33.5	25	25	57.0	58.7	94	101	80-120	3	15	
Fluoride	mg/L	0.10	1	1	1.0	1.0	93	91	80-120	1	15	
Sulfate	mg/L	127	50	50	170	182	86	109	80-120	7	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 792843
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3627997 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.091	06/02/24 16:40	

LABORATORY CONTROL SAMPLE: 3627998

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: 3627999 3628000

Parameter	Units	50373676003 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	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 791532
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3622044 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	ND	10.0	0.45	06/01/24 00:29	
Boron	ug/L	ND	100	6.2	06/01/24 00:29	
Cadmium	ug/L	ND	2.0	0.60	06/01/24 00:29	
Calcium	ug/L	ND	1000	67.7	06/01/24 00:29	
Chromium	ug/L	ND	10.0	0.42	06/01/24 00:29	
Iron	ug/L	ND	100	30.0	06/01/24 00:29	
Lead	ug/L	ND	10.0	2.5	06/01/24 00:29	
Lithium	ug/L	ND	20.0	6.8	06/01/24 00:29	
Magnesium	ug/L	ND	1000	33.6	06/01/24 00:29	
Manganese	ug/L	ND	10.0	1.8	06/01/24 00:29	
Molybdenum	ug/L	ND	10.0	0.78	06/01/24 00:29	
Potassium	ug/L	ND	1000	97.8	06/01/24 00:29	
Sodium	ug/L	ND	1000	54.8	06/01/24 00:29	

LABORATORY CONTROL SAMPLE: 3622045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	1000	951	95	80-120	
Boron	ug/L	1000	939	94	80-120	
Cadmium	ug/L	1000	944	94	80-120	
Calcium	ug/L	10000	9660	97	80-120	
Chromium	ug/L	1000	938	94	80-120	
Iron	ug/L	10000	9400	94	80-120	
Lead	ug/L	1000	942	94	80-120	
Lithium	ug/L	1000	955	96	80-120	
Magnesium	ug/L	10000	9510	95	80-120	
Manganese	ug/L	1000	962	96	80-120	
Molybdenum	ug/L	1000	1010	101	80-120	
Potassium	ug/L	10000	9540	95	80-120	
Sodium	ug/L	10000	9460	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622046 3622047

Parameter	Units	50373785002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	72.6	1000	1000	1030	1010	96	94	75-125	2	20	
Boron	ug/L	ND	1000	1000	1040	1030	95	94	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622046 3622047

Parameter	Units	50373785002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	ug/L	ND	1000	1000	945	931	95	93	75-125	2	20	
Calcium	ug/L	133000	10000	10000	143000	139000	103	64	75-125	3	20	P6
Chromium	ug/L	ND	1000	1000	925	910	92	91	75-125	2	20	
Iron	ug/L	351	10000	10000	9550	9370	92	90	75-125	2	20	
Lead	ug/L	ND	1000	1000	916	903	92	90	75-125	1	20	
Lithium	ug/L	ND	1000	1000	976	951	97	95	75-125	3	20	
Magnesium	ug/L	44300	10000	10000	54000	52500	97	83	75-125	3	20	
Manganese	ug/L	263	1000	1000	1200	1180	94	92	75-125	2	20	
Molybdenum	ug/L	ND	1000	1000	1010	991	101	99	75-125	2	20	
Potassium	ug/L	ND	10000	10000	9990	9700	96	94	75-125	3	20	
Sodium	ug/L	4520	10000	10000	14100	13700	96	92	75-125	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622048 3622049

Parameter	Units	50373786001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	21.6	1000	1000	974	989	95	97	75-125	1	20	
Boron	ug/L	14500	1000	1000	15200	15500	71	103	75-125	2	20	P6
Cadmium	ug/L	ND	1000	1000	970	984	97	98	75-125	1	20	
Calcium	ug/L	517000	10000	10000	518000	521000	7	36	75-125	1	20	P6
Chromium	ug/L	ND	1000	1000	929	945	93	95	75-125	2	20	
Iron	ug/L	11200	10000	10000	20400	20600	91	94	75-125	1	20	
Lead	ug/L	ND	1000	1000	904	920	90	92	75-125	2	20	
Lithium	ug/L	ND	1000	1000	988	993	98	99	75-125	0	20	
Magnesium	ug/L	91100	10000	10000	99300	101000	82	96	75-125	1	20	
Manganese	ug/L	1500	1000	1000	2420	2440	92	94	75-125	1	20	
Molybdenum	ug/L	35.4	1000	1000	1060	1070	102	104	75-125	1	20	
Potassium	ug/L	2740	10000	10000	12500	12500	98	98	75-125	0	20	
Sodium	ug/L	19100	10000	10000	28400	28600	93	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 791282
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3620839 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Molybdenum, Dissolved	ug/L	ND	10.0	1.1	05/28/24 20:39	

LABORATORY CONTROL SAMPLE: 3620840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Molybdenum, Dissolved	ug/L	1000	964	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620841 3620842

Parameter	Units	50373674001 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	<0.050 mg/L	1000	1000	1020	1010	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 792515
QC Batch Method: EPA 200.2
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3626715 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	0.27	05/30/24 08:59	
Arsenic	ug/L	ND	1.0	0.11	05/30/24 08:59	
Beryllium	ug/L	ND	0.20	0.030	05/30/24 08:59	
Cobalt	ug/L	ND	1.0	0.16	05/30/24 08:59	
Selenium	ug/L	ND	1.0	0.22	05/30/24 08:59	
Thallium	ug/L	ND	1.0	0.043	05/30/24 08:59	

LABORATORY CONTROL SAMPLE: 3626716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	40	41.3	103	80-120	
Arsenic	ug/L	40	38.7	97	80-120	
Beryllium	ug/L	40	39.6	99	80-120	
Cobalt	ug/L	40	40.2	101	80-120	
Selenium	ug/L	40	39.2	98	80-120	
Thallium	ug/L	40	40.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626717 3626718

Parameter	Units	50373958001 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	41.8	106	104	75-125	2	20	
Arsenic	ug/L	5.0	40	40	44.2	42.5	98	94	75-125	4	20	
Beryllium	ug/L	<1.0	40	40	37.6	36.6	94	91	75-125	3	20	CL
Cobalt	ug/L	<1.0	40	40	39.1	38.6	98	96	75-125	1	20	
Selenium	ug/L	<1.0	40	40	41.2	40.0	102	99	75-125	3	20	
Thallium	ug/L	<1.0	40	40	41.5	40.0	104	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 792396
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3626309 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	10.0	10.0	05/28/24 20:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	10.0	10.0	05/28/24 20:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	10.0	10.0	05/28/24 20:45	

LABORATORY CONTROL SAMPLE: 3626310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	90-110	

SAMPLE DUPLICATE: 3626311

Parameter	Units	50373757001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	282	288	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	282	288	2	20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 3626312

Parameter	Units	50373759001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	288	295	2	20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	288	295	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 791848
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3623548 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	05/24/24 07:20	

LABORATORY CONTROL SAMPLE: 3623549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	80-120	

SAMPLE DUPLICATE: 3623550

Parameter	Units	50374037013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1010	1030	2	10	

SAMPLE DUPLICATE: 3623551

Parameter	Units	50373758007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	629	634	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 793685
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: 50373760001, 50373760002

SAMPLE DUPLICATE: 3631421

Parameter	Units	50373770003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.3	0	2	H3

SAMPLE DUPLICATE: 3631422

Parameter	Units	50373771002 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 791287
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: 50373760001, 50373760002

METHOD BLANK: 3620854 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	0.013	05/22/24 02:14	

LABORATORY CONTROL SAMPLE: 3620855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 3620856

Parameter	Units	50373676001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1	1.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620857 3620858

Parameter	Units	50373760002 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	101	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 793088
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Dissolved Organic Carbon
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373760001, 50373760002

METHOD BLANK: 3628913 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dissolved Organic Carbon	mg/L	ND	1.0	0.25	05/31/24 15:27	

LABORATORY CONTROL SAMPLE: 3628914

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: 3628915 3628916

Parameter	Units	50373655001 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	11.3	11.5	100	103	80-120	2	20	

MATRIX SPIKE SAMPLE: 3628917

Parameter	Units	50373758004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dissolved Organic Carbon	mg/L	2.3	10	11.0	86	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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Sample: MW-108D **Lab ID: 50373760001** Collected: 05/21/24 10:50 Received: 05/21/24 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	**0.301 ± 0.516 (0.904) C:NA T:86%**	pCi/L	06/14/24 16:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.244 ± 0.321 (0.683) C:80% T:84%**	pCi/L	06/12/24 14:26	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.545 ± 0.837 (1.59)**	pCi/L	06/14/24 17:13	7440-14-4	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Sample: FIELD BLANK 2 **Lab ID: 50373760002** Collected: 05/21/24 11:27 Received: 05/21/24 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	**-0.523 ± 0.483 (1.19) C:NA T:88%**	pCi/L	06/14/24 16:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.373 ± 0.336 (0.680) C:82% T:87%**	pCi/L	06/12/24 14:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.373 ± 0.819 (1.87)**	pCi/L	06/14/24 17:13	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 671179
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: 50373760001, 50373760002

METHOD BLANK: 3268457 Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.139 ± 0.240 (0.429) C:NA T:93%	pCi/L	06/14/24 14:50	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL - RADIOCHEMISTRY

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

QC Batch: 671180
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: 50373760001, 50373760002

METHOD BLANK: 3268458
Matrix: Water
Associated Lab Samples: 50373760001, 50373760002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.451 ± 0.338 (0.656) C:82% T:86%	pCi/L	06/12/24 14:24	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

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.
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.
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.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Harding Street May 2024 P1R2
Pace Project No.: 50373760

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373760001	**MW-108D**	EPA 9056	792562		
50373760002	**FIELD BLANK 2**	EPA 9056	792562		
50373760001	**MW-108D**	EPA 3010	791532	EPA 6010	793197
50373760002	**FIELD BLANK 2**	EPA 3010	791532	EPA 6010	793197
50373760001	**MW-108D**	EPA 3010	791282	EPA 6010	792420
50373760002	**FIELD BLANK 2**	EPA 3010	791282	EPA 6010	792420
50373760001	**MW-108D**	EPA 200.2	792515	EPA 6020	792694
50373760002	**FIELD BLANK 2**	EPA 200.2	792515	EPA 6020	792694
50373760001	**MW-108D**	EPA 7470	792843	EPA 7470	793263
50373760002	**FIELD BLANK 2**	EPA 7470	792843	EPA 7470	793263
50373760001	**MW-108D**	EPA 903.1	671179		
50373760002	**FIELD BLANK 2**	EPA 903.1	671179		
50373760001	**MW-108D**	EPA 904.0	671180		
50373760002	**FIELD BLANK 2**	EPA 904.0	671180		
50373760001	**MW-108D**	Total Radium Calculation	676066		
50373760002	**FIELD BLANK 2**	Total Radium Calculation	676066		
50373760001	**MW-108D**	SM 2320B	792396		
50373760002	**FIELD BLANK 2**	SM 2320B	792396		
50373760001	**MW-108D**	SM 2540C	791848		
50373760002	**FIELD BLANK 2**	SM 2540C	791848		
50373760001	**MW-108D**	SM 4500-H+B	793685		
50373760002	**FIELD BLANK 2**	SM 4500-H+B	793685		
50373760001	**MW-108D**	EPA 353.2	791287		
50373760002	**FIELD BLANK 2**	EPA 353.2	791287		
50373760001	**MW-108D**	SM 5310C	793088		
50373760002	**FIELD BLANK 2**	SM 5310C	793088		

WO# : 50373760

50373760

Pace

Submitting a sample via this chain of custody constitutes acknowled

uest Document

elds must be completed accurately.

://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A	Section B	Invoice Information:	
Required Client Information:	**Required Project Information:**		
Company: Atlas	Report To: Mark Breting	Attention:	
Address: 7988 Centerpoint Drive	Copy To:	Company Name:	
Suite 100, Indianapolis, IN 46256		Address:	**Regulatory Agency**
Email: mark.breting@atcgs.com	Purchase Order #:	Pace Quote:	
Phone: 317-313-8306 Fax:	Project Name: Harding Street May 2024	Pace Project Manager: will.statz@pacelabs.com,	**State / Location**
Requested Due Date:	Project #: P1R2	**Pace Profile #: 10498-57**	IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals by 6010/6020/7470	FF Metals by 6010 WD	DOC, Field Filtered 5310C	Alkalinity/pH	TDS 2540C	9056 IC (Cl, F, SO4)	Rad 226/228 + Sum	NO3 by 3532	Residual Chlorine (Y/N)	
1	MW-108D	WT		5.21.24	1050				8	3	1	4						X	X	X	X	X	X	X	X		001
2	FIELD BLANK2	WT		5.21.24	1127				8	3	1	4						X	X	X	X	X	X	X	X		002
3		WT																X	X	X	X	X	X	X	X		
4		WT																X	X	X	X	X	X	X	X		
5		WT																X	X	X	X	X	X	X	X		
6		WT																X	X	X	X	X	X	X	X		
7		WT																X	X	X	X	X	X	X	X		
8		WT																X	X	X	X	X	X	X	X		
9		WT																X	X	X	X	X	X	X	X		
10		WT																X	X	X	X	X	X	X	X		
11		WT																X	X	X	X	X	X	X	X		
12																		X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO3 is a 48 Hr Short Hold time. Rad 226/228 to Pace PA	JOHN A. MAGILL JR / ATLAS	5.21.24	—	Chelsea B	5/21	1650	2.6	Y	N	Y
6020 - Be,Co, As, Se, Sb, Tl (6)										
6010 - Ba, B, Cd, Cr, Fe, Pb, Mn, Mo, Ca, Mg, Na, K, Li, (13)										
7470 - Hg. 6010 diss - Mo										

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: JOHN A. MAGILL JR						
SIGNATURE of SAMPLER:	DATE Signed: 5.21.24					

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CB 5/21/24 18:02

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H
4. **Cooler Temperature(s):** 2.6 | 2.6 | | | |
   (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
8. **EZ Bottle Order?** ☐ Yes ☑ No
   If yes but not on COC what is the EZ Bottle Order Number?:

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:** NO3	✓	CB 5/21	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: 18:20			Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Custody Signatures Present?	✓		Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Containers Intact?:	✓		Headspace Wisconsin Sulfide?			✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent ✓	No VOA Vials Sent ✓
Extra labels on Terracore Vials? (soils only)		✓	Trip Blank Present?			
			Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 **of** 1

Sample Container Count

** Place a RED 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	2	1	1	1								WT	✓	✓		
2													1			1	1	1	1	1								1	1	1			
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear 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
BP3R	250mL Unpres. FF SO4/OH buffer
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: Statistical Analyses – Prediction Limits Documentation

November 2023

Table C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-15S	09/18/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	07/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/03/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	09/18/2018		6.4000		
Arsenic, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	07/24/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/03/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Barium, Total	ug/L	MW-15S	09/18/2018		62.9000		
Barium, Total	ug/L	MW-15S	11/29/2018		63.8000		
Barium, Total	ug/L	MW-15S	02/04/2019		54.5000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-15S	03/25/2019		50.4000		
Barium, Total	ug/L	MW-15S	05/14/2019		42.8000		
Barium, Total	ug/L	MW-15S	07/24/2019		60.7000		
Barium, Total	ug/L	MW-15S	11/05/2019		69.4000		
Barium, Total	ug/L	MW-15S	01/29/2020		51.1000		
Barium, Total	ug/L	MW-15S	05/27/2020		55.8000		
Barium, Total	ug/L	MW-15S	11/03/2020		61.0000		
Barium, Total	ug/L	MW-15S	05/06/2021		51.8000		
Barium, Total	ug/L	MW-15S	11/03/2021		61.2000		
Barium, Total	ug/L	MW-15S	05/05/2022		49.0000		
Barium, Total	ug/L	MW-15S	11/11/2022		61.1000		
Barium, Total	ug/L	MW-15S	05/18/2023		48.6000		
Beryllium, Total	ug/L	MW-15S	09/18/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	11/29/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	02/04/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	03/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/14/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	07/24/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	11/05/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	01/29/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/27/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	11/03/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/06/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/05/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/18/2023	ND	0.2000		
Cadmium, Total	ug/L	MW-15S	09/18/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/29/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	02/04/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	03/25/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/14/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	07/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/05/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	01/29/2020	ND	1.0000	2.0000	**

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-15S	05/27/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/06/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/03/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/05/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/11/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/18/2023	ND	2.0000		
Chromium, Total	ug/L	MW-15S	09/18/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/29/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15S	02/04/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	03/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/14/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	07/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/05/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	01/29/2020	ND	20.0000	10.0000	**
Chromium, Total	ug/L	MW-15S	05/27/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/06/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/05/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/11/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/18/2023	ND	10.0000		
Cobalt, Total	ug/L	MW-15S	09/18/2018		2.3000		
Cobalt, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	07/24/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	11/03/2021	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Fluoride	mg/L	MW-15S	09/18/2018	ND	0.1000		
Fluoride	mg/L	MW-15S	11/29/2018		0.1200		
Fluoride	mg/L	MW-15S	02/04/2019		0.1100		
Fluoride	mg/L	MW-15S	03/25/2019		0.1200		
Fluoride	mg/L	MW-15S	05/14/2019		0.1000		
Fluoride	mg/L	MW-15S	07/24/2019	ND	0.1000		
Fluoride	mg/L	MW-15S	11/05/2019	ND	0.1000		
Fluoride	mg/L	MW-15S	01/29/2020		0.1100		
Fluoride	mg/L	MW-15S	05/27/2020		0.1100		
Fluoride	mg/L	MW-15S	11/03/2020	ND	0.1000		
Fluoride	mg/L	MW-15S	05/06/2021	ND	0.1000		
Fluoride	mg/L	MW-15S	11/03/2021	ND	0.1000		
Fluoride	mg/L	MW-15S	05/05/2022		0.1200		
Fluoride	mg/L	MW-15S	11/11/2022		0.1400		
Fluoride	mg/L	MW-15S	05/18/2023		0.1100		
Lead, Total	ug/L	MW-15S	09/18/2018	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/29/2018	ND	10.0000		
Lead, Total	ug/L	MW-15S	02/04/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	03/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/14/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	07/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/05/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	01/29/2020	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/27/2020	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/06/2021	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/05/2022	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/11/2022	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/18/2023	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lithium, Total	ug/L	MW-15S	09/18/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/29/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15S	02/04/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	03/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/14/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	07/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/05/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	01/29/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/27/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/03/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/06/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/03/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/05/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/11/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/18/2023	ND	20.0000		
Mercury	ug/L	MW-15S	09/18/2018	ND	2.0000		
Mercury	ug/L	MW-15S	11/29/2018	ND	2.0000		
Mercury	ug/L	MW-15S	02/04/2019	ND	2.0000		
Mercury	ug/L	MW-15S	03/25/2019	ND	2.0000		
Mercury	ug/L	MW-15S	05/14/2019	ND	2.0000		
Mercury	ug/L	MW-15S	07/24/2019	ND	2.0000		
Mercury	ug/L	MW-15S	11/05/2019	ND	2.0000		
Mercury	ug/L	MW-15S	01/29/2020	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15S	05/27/2020	ND	2.0000		
Mercury	ug/L	MW-15S	05/06/2021	ND	2.0000		
Mercury	ug/L	MW-15S	05/05/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15S	05/18/2023	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-15S	09/18/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/29/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	02/04/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	03/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/14/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	07/24/2019	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum, Total	ug/L	MW-15S	11/05/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	01/29/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/27/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/03/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/06/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/03/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/05/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/11/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/18/2023	ND	10.0000		
Selenium, Total	ug/L	MW-15S	09/18/2018		1.3000		
Selenium, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Selenium, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	07/24/2019		1.1000		
Selenium, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Selenium, Total	ug/L	MW-15S	11/03/2021	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/05/2022		1.1000		
Selenium, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/18/2023		1.3000		
Thallium, Total	ug/L	MW-15S	09/18/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	07/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/27/2020	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Total Radium	pCi/L	MW-15S	09/18/2018		1.3200		
Total Radium	pCi/L	MW-15S	11/29/2018		0.6850		
Total Radium	pCi/L	MW-15S	02/04/2019	ND	0.4960	1.3200	**
Total Radium	pCi/L	MW-15S	03/25/2019		0.8850		
Total Radium	pCi/L	MW-15S	05/14/2019		1.0300		
Total Radium	pCi/L	MW-15S	07/24/2019		1.0300		
Total Radium	pCi/L	MW-15S	11/05/2019		0.7510		
Total Radium	pCi/L	MW-15S	01/29/2020	ND	1.2500	1.3200	**
Total Radium	pCi/L	MW-15S	05/27/2020	ND	1.3200		
Total Radium	pCi/L	MW-15S	11/03/2020	ND	1.2900	1.3200	**
Total Radium	pCi/L	MW-15S	05/06/2021	ND	1.3500	1.3200	**
Total Radium	pCi/L	MW-15S	11/03/2021	ND	2.0200	1.3200	**
Total Radium	pCi/L	MW-15S	05/05/2022		0.5950		
Total Radium	pCi/L	MW-15S	11/11/2022		1.0500		
Total Radium	pCi/L	MW-15S	05/18/2023	ND	1.4500	1.3200	**

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10S	11/08/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-11S	11/08/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/06/2022		2.0000	***	1.0000
Antimony, Total	ug/L	MW-13S	11/09/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-14D	11/06/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1S	11/22/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2D	11/27/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2S	11/27/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-3S	05/18/2023		4.7000	***	1.0000
Antimony, Total	ug/L	MW-4S	05/04/2022	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	11/07/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-7S	11/09/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-8S	11/10/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9S	11/09/2020		7.3000	***	1.0000
Antimony, Total	ug/L	MW-9SR	05/24/2023		1.8000	***	1.0000
Arsenic, Total	ug/L	MW-10S	11/08/2023		320.0000	***	6.4000
Arsenic, Total	ug/L	MW-11S	11/08/2023		5.0000		6.4000
Arsenic, Total	ug/L	MW-12S	05/06/2022		46.0000	***	6.4000
Arsenic, Total	ug/L	MW-13S	11/09/2023		288.0000	***	6.4000
Arsenic, Total	ug/L	MW-14D	11/06/2023		112.0000	***	6.4000
Arsenic, Total	ug/L	MW-1S	11/22/2023		5.9000	**	6.4000
Arsenic, Total	ug/L	MW-2D	11/27/2023		6.5000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/27/2023		12.7000	***	6.4000
Arsenic, Total	ug/L	MW-3S	05/18/2023	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-4S	05/04/2022		1.1000		6.4000
Arsenic, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-6S	11/07/2023		17.0000	***	6.4000
Arsenic, Total	ug/L	MW-7S	11/09/2023		379.0000	***	6.4000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-8S	11/10/2023	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-9S	11/09/2020	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-9SR	05/24/2023	ND	1.0000		6.4000
Barium, Total	ug/L	MW-10S	11/08/2023		53.7000	**	75.9648
Barium, Total	ug/L	MW-11S	11/08/2023		123.0000	*	75.9648
Barium, Total	ug/L	MW-12S	05/06/2022		31.1000		75.9648
Barium, Total	ug/L	MW-13S	11/09/2023		57.2000		75.9648
Barium, Total	ug/L	MW-14D	11/06/2023		49.3000		75.9648
Barium, Total	ug/L	MW-1S	11/22/2023		76.1000	*	75.9648
Barium, Total	ug/L	MW-2D	11/27/2023		51.2000		75.9648
Barium, Total	ug/L	MW-2S	11/27/2023		121.0000	***	75.9648
Barium, Total	ug/L	MW-3S	05/18/2023		58.7000		75.9648
Barium, Total	ug/L	MW-4S	05/04/2022		90.7000	***	75.9648
Barium, Total	ug/L	MW-4SR	05/24/2023		57.2000		75.9648
Barium, Total	ug/L	MW-5S	05/18/2023		48.4000		75.9648
Barium, Total	ug/L	MW-6S	11/07/2023		107.0000	***	75.9648
Barium, Total	ug/L	MW-7S	11/09/2023		39.1000		75.9648
Barium, Total	ug/L	MW-8S	11/10/2023		34.4000		75.9648
Barium, Total	ug/L	MW-9S	11/09/2020		52.0000		75.9648
Barium, Total	ug/L	MW-9SR	05/24/2023		39.1000		75.9648
Beryllium, Total	ug/L	MW-10S	11/08/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11S	11/08/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12S	05/06/2022	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-13S	11/09/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-14D	11/06/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1S	11/22/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2D	11/27/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2S	11/27/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-3S	05/18/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-4S	05/04/2022	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-4SR	05/24/2023	ND	0.2000		0.2000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Beryllium, Total	ug/L	MW-5S	05/18/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6S	11/07/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-7S	11/09/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-8S	11/10/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9S	11/09/2020	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9SR	05/24/2023	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-10S	05/25/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-11S	05/25/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12S	05/06/2022	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-13S	05/26/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-14D	05/18/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1S	05/23/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2D	05/23/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2S	05/23/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-3S	05/18/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-4S	05/04/2022	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-4SR	05/24/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-5S	05/18/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6S	05/25/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-7S	05/26/2023	ND	4.0000		2.0000
Cadmium, Total	ug/L	MW-8S	05/23/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9S	05/29/2020	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9SR	05/24/2023	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10S	05/25/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11S	05/25/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12S	05/06/2022	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-13S	05/26/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-14D	05/18/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1S	05/23/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2D	05/23/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2S	05/23/2023	ND	10.0000		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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Chromium, Total	ug/L	MW-3S	05/18/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-4S	05/04/2022	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-4SR	05/24/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-5S	05/18/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6S	05/25/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-7S	05/26/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-8S	05/23/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9S	11/09/2020	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9SR	05/24/2023	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10S	11/08/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-11S	11/08/2023		2.0000		2.3000
Cobalt, Total	ug/L	MW-12S	05/06/2022	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-13S	11/09/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-14D	11/06/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-1S	11/22/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-2D	11/27/2023		1.2000		2.3000
Cobalt, Total	ug/L	MW-2S	11/27/2023		1.1000		2.3000
Cobalt, Total	ug/L	MW-3S	05/18/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-4S	05/04/2022	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-5S	05/18/2023		1.1000		2.3000
Cobalt, Total	ug/L	MW-6S	11/07/2023		2.3000		2.3000
Cobalt, Total	ug/L	MW-7S	11/09/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-8S	11/10/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-9S	11/09/2020	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-9SR	05/24/2023	ND	1.0000		2.3000
Fluoride	mg/L	MW-10S	11/08/2023		3.1000	***	0.1400
Fluoride	mg/L	MW-11S	11/08/2023		1.5000	***	0.1400
Fluoride	mg/L	MW-12S	05/06/2022		2.1000	***	0.1400
Fluoride	mg/L	MW-13S	11/09/2023		0.8000	***	0.1400
Fluoride	mg/L	MW-14D	11/06/2023		0.2600	***	0.1400

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1S	11/22/2023		0.3200	***	0.1400
Fluoride	mg/L	MW-2D	11/27/2023		0.6800	***	0.1400
Fluoride	mg/L	MW-2S	11/27/2023		0.2300	***	0.1400
Fluoride	mg/L	MW-3S	05/18/2023		0.1700	***	0.1400
Fluoride	mg/L	MW-4S	05/04/2022	ND	0.1000		0.1400
Fluoride	mg/L	MW-4SR	05/24/2023		0.1000		0.1400
Fluoride	mg/L	MW-5S	05/18/2023		1.1000	***	0.1400
Fluoride	mg/L	MW-6S	11/07/2023		1.2000	***	0.1400
Fluoride	mg/L	MW-7S	11/09/2023		0.5800	***	0.1400
Fluoride	mg/L	MW-8S	11/10/2023		0.1000	**	0.1400
Fluoride	mg/L	MW-9S	11/09/2020		0.2100	*	0.1400
Fluoride	mg/L	MW-9SR	05/24/2023		0.6100	***	0.1400
Lead, Total	ug/L	MW-10S	05/25/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11S	05/25/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12S	05/06/2022	ND	10.0000		10.0000
Lead, Total	ug/L	MW-13S	05/26/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-14D	05/18/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1S	05/23/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2D	05/23/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2S	05/23/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-3S	05/18/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-4S	05/04/2022	ND	10.0000		10.0000
Lead, Total	ug/L	MW-4SR	05/24/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-5S	05/18/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6S	05/25/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-7S	05/26/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-8S	05/23/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9S	11/09/2020	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9SR	05/24/2023	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10S	11/08/2023		33.4000	***	20.0000
Lithium, Total	ug/L	MW-11S	11/08/2023	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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-12S	05/06/2022		67.8000	***	20.0000
Lithium, Total	ug/L	MW-13S	11/09/2023		57.1000	***	20.0000
Lithium, Total	ug/L	MW-14D	11/06/2023		666.0000	***	20.0000
Lithium, Total	ug/L	MW-1S	11/22/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2D	11/27/2023		45.2000	***	20.0000
Lithium, Total	ug/L	MW-2S	11/27/2023		32.3000	*	20.0000
Lithium, Total	ug/L	MW-3S	05/18/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/04/2022	ND	20.0000	**	20.0000
Lithium, Total	ug/L	MW-4SR	05/24/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-5S	05/18/2023		47.9000	***	20.0000
Lithium, Total	ug/L	MW-6S	11/07/2023		56.9000	***	20.0000
Lithium, Total	ug/L	MW-7S	11/09/2023		73.5000	***	20.0000
Lithium, Total	ug/L	MW-8S	11/10/2023		137.0000	***	20.0000
Lithium, Total	ug/L	MW-9S	11/09/2020		72.7000	***	20.0000
Lithium, Total	ug/L	MW-9SR	05/24/2023		61.5000	***	20.0000
Mercury	ug/L	MW-10S	05/25/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-11S	05/25/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-12S	05/06/2022	ND	0.2000		2.0000
Mercury	ug/L	MW-13S	05/26/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-14D	05/18/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-1S	05/23/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-2D	05/23/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-2S	05/23/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-3S	05/18/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-4S	05/04/2022	ND	0.2000		2.0000
Mercury	ug/L	MW-4SR	05/24/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-5S	05/18/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-6S	05/25/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-7S	05/26/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-8S	05/23/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-9S	05/29/2020	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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Mercury	ug/L	MW-9SR	05/24/2023	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10S	11/08/2023		162.0000	***	10.0000
Molybdenum, Total	ug/L	MW-11S	11/08/2023		72.2000	***	10.0000
Molybdenum, Total	ug/L	MW-12S	05/06/2022		118.0000	***	10.0000
Molybdenum, Total	ug/L	MW-13S	11/09/2023		350.0000	***	10.0000
Molybdenum, Total	ug/L	MW-14D	11/06/2023		222.0000	***	10.0000
Molybdenum, Total	ug/L	MW-1S	11/22/2023		19.7000	***	10.0000
Molybdenum, Total	ug/L	MW-2D	11/27/2023		68.1000	***	10.0000
Molybdenum, Total	ug/L	MW-2S	11/27/2023		27.5000	***	10.0000
Molybdenum, Total	ug/L	MW-3S	05/18/2023		27.3000	***	10.0000
Molybdenum, Total	ug/L	MW-4S	05/04/2022	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4SR	05/24/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-5S	05/18/2023		56.6000	***	10.0000
Molybdenum, Total	ug/L	MW-6S	11/07/2023		215.0000	***	10.0000
Molybdenum, Total	ug/L	MW-7S	11/09/2023		457.0000	***	10.0000
Molybdenum, Total	ug/L	MW-8S	11/10/2023		253.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9S	11/09/2020		201.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9SR	05/24/2023		226.0000	***	10.0000
Selenium, Total	ug/L	MW-10S	11/08/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-11S	11/08/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/06/2022		26.3000	***	1.3000
Selenium, Total	ug/L	MW-13S	11/09/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-14D	11/06/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-1S	11/22/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-2D	11/27/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-2S	11/27/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/18/2023		8.6000	***	1.3000
Selenium, Total	ug/L	MW-4S	05/04/2022		119.0000	***	1.3000
Selenium, Total	ug/L	MW-4SR	05/24/2023		3.7000	***	1.3000
Selenium, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6S	11/07/2023	ND	1.0000	**	1.3000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-7S	11/09/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	11/10/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-9S	11/09/2020		15.9000	***	1.3000
Selenium, Total	ug/L	MW-9SR	05/24/2023		28.4000	*	1.3000
Thallium, Total	ug/L	MW-10S	05/25/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11S	05/25/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12S	05/06/2022	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-13S	05/26/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-14D	05/18/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1S	05/23/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2D	05/23/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2S	05/23/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3S	05/18/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-4S	05/04/2022	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6S	05/25/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-7S	05/26/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-8S	05/23/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9S	05/29/2020	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9SR	05/24/2023	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10S	11/08/2023		1.1100		1.3200
Total Radium	pCi/L	MW-11S	11/08/2023		0.8400		1.3200
Total Radium	pCi/L	MW-12S	05/06/2022	ND	1.6700		1.3200
Total Radium	pCi/L	MW-13S	11/09/2023		0.8890		1.3200
Total Radium	pCi/L	MW-14D	11/06/2023		1.9900	***	1.3200
Total Radium	pCi/L	MW-1S	11/22/2023		1.6300	*	1.3200
Total Radium	pCi/L	MW-2D	11/27/2023		1.5300	***	1.3200
Total Radium	pCi/L	MW-2S	11/27/2023		2.4700	*	1.3200
Total Radium	pCi/L	MW-3S	05/18/2023		0.9340		1.3200
Total Radium	pCi/L	MW-4S	05/04/2022	ND	1.4500		1.3200

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Total Radium	pCi/L	MW-4SR	05/24/2023	ND	2.2200		1.3200
Total Radium	pCi/L	MW-5S	05/18/2023		2.1700	***	1.3200
Total Radium	pCi/L	MW-6S	11/07/2023		0.8620		1.3200
Total Radium	pCi/L	MW-7S	11/09/2023		1.2600		1.3200
Total Radium	pCi/L	MW-8S	11/10/2023	ND	1.4500		1.3200
Total Radium	pCi/L	MW-9S	11/09/2020	ND	1.8600	**	1.3200
Total Radium	pCi/L	MW-9SR	05/24/2023		1.0900	**	1.3200

* - 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 C-3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Antimony, Total	0	15	0.000	48	286	0.168
Arsenic, Total	1	15	0.067	188	285	0.660
Barium, Total	15	15	1.000	286	286	1.000
Beryllium, Total	0	13	0.000	2	246	0.008
Cadmium, Total	0	14	0.000	3	246	0.012
Chromium, Total	0	15	0.000	10	270	0.037
Cobalt, Total	1	15	0.067	28	271	0.103
Fluoride	9	15	0.600	281	301	0.934
Lead, Total	0	15	0.000	2	261	0.008
Lithium, Total	0	15	0.000	226	286	0.790
Mercury	0	12	0.000	0	215	0.000
Molybdenum, Total	0	15	0.000	269	286	0.941
Selenium, Total	4	15	0.267	55	286	0.192
Thallium, Total	0	12	0.000	0	221	0.000
Total Radium	8	15	0.533	230	284	0.810

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table C-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	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Arsenic, Total	1	15	0.067	4.373	4.373					2.326	non-norm	nonpar
Barium, Total	15	15	1.000	0.394	0.204					2.326	normal	normal
Beryllium, Total	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Cadmium, Total	0	14	0.000	4.155	4.155					2.326	non-norm	nonpar
Chromium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Cobalt, Total	1	15	0.067	4.373	4.373					2.326	non-norm	nonpar
Fluoride	9	15	0.600	2.907	2.717					2.326	non-norm	nonpar
Lead, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Lithium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Mercury	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Molybdenum, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Selenium, Total	4	15	0.267	5.143	5.060					2.326	non-norm	nonpar
Thallium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Total Radium	8	15	0.533	2.941	3.019					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 C-5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, Total	ug/L	0	15					1.0000	nonpar	***	0.90
Arsenic, Total	ug/L	1	15					6.4000	nonpar		0.90
Barium, Total	ug/L	15	15	56.2733	7.2719	0.0100	2.7079	75.9648	normal		
Beryllium, Total	ug/L	0	13					0.2000	nonpar	***	0.88
Cadmium, Total	ug/L	0	14					2.0000	nonpar	***	0.89
Chromium, Total	ug/L	0	15					10.0000	nonpar	***	0.90
Cobalt, Total	ug/L	1	15					2.3000	nonpar		0.90
Fluoride	mg/L	9	15					0.1400	nonpar		0.90
Lead, Total	ug/L	0	15					10.0000	nonpar	***	0.90
Lithium, Total	ug/L	0	15					20.0000	nonpar	***	0.90
Mercury	ug/L	0	12					2.0000	nonpar	***	0.86
Molybdenum, Total	ug/L	0	15					10.0000	nonpar	***	0.90
Selenium, Total	ug/L	4	15					1.3000	nonpar		0.90
Thallium, Total	ug/L	0	12					1.0000	nonpar	***	0.86
Total Radium	pCi/L	8	15					1.3200	nonpar		0.90

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 C-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 C-7

Historical Downgradient 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	04/06/2016		6.0000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/25/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	08/09/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	09/27/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	11/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	01/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/23/2017		7.7000	*	1.0000
Antimony, Total	ug/L	MW-12S	08/08/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/30/2018	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	09/17/2018		3.7000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/16/2019		4.4000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/29/2020		2.1000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/05/2020		2.8000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/01/2021		2.8000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/06/2022		2.0000	*	1.0000
Antimony, Total	ug/L	MW-3S	04/05/2016		9.5000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/25/2016		8.5000	*	1.0000
Antimony, Total	ug/L	MW-3S	08/08/2016		8.9000	*	1.0000
Antimony, Total	ug/L	MW-3S	09/26/2016		10.0000	*	1.0000
Antimony, Total	ug/L	MW-3S	11/28/2016		8.5000	*	1.0000
Antimony, Total	ug/L	MW-3S	01/24/2017		6.4000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/22/2017		9.6000	*	1.0000
Antimony, Total	ug/L	MW-3S	08/07/2017		7.3000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/29/2018		8.9000	*	1.0000
Antimony, Total	ug/L	MW-3S	09/17/2018		9.1000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/14/2019		7.3000	*	1.0000
Antimony, Total	ug/L	MW-3S	11/05/2019		8.7000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/18/2020		7.1000	*	1.0000
Antimony, Total	ug/L	MW-3S	11/03/2020		7.7000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/03/2021		5.5000	*	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 C-7

Historical Downgradient 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-3S	11/01/2021		7.3000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/02/2022		4.9000	*	1.0000
Antimony, Total	ug/L	MW-3S	01/19/2023		5.7000	*	1.0000
Antimony, Total	ug/L	MW-3S	03/24/2023		5.2000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/18/2023		4.7000	*	1.0000
Antimony, Total	ug/L	MW-9S	04/06/2016		14.9000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/25/2016		14.4000	*	1.0000
Antimony, Total	ug/L	MW-9S	08/08/2016		13.0000	*	1.0000
Antimony, Total	ug/L	MW-9S	09/27/2016		14.1000	*	1.0000
Antimony, Total	ug/L	MW-9S	11/28/2016		11.9000	*	1.0000
Antimony, Total	ug/L	MW-9S	01/25/2017		12.5000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/23/2017		12.6000	*	1.0000
Antimony, Total	ug/L	MW-9S	08/08/2017		8.0000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/30/2018		11.5000	*	1.0000
Antimony, Total	ug/L	MW-9S	09/17/2018		11.5000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/16/2019		9.2000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/29/2020		8.8000	*	1.0000
Antimony, Total	ug/L	MW-9S	11/09/2020		7.3000	*	1.0000
Antimony, Total	ug/L	MW-9SR	01/31/2023		1.0000	**	1.0000
Antimony, Total	ug/L	MW-9SR	05/24/2023		1.8000	*	1.0000
Arsenic, Total	ug/L	MW-10S	04/06/2016		455.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/25/2016		440.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	08/09/2016		484.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	09/27/2016		492.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/29/2016		545.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	01/25/2017		507.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/23/2017		440.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	08/08/2017		494.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/30/2018		444.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	09/18/2018		343.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-10S	05/16/2019		349.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/05/2019		385.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/19/2020		358.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/05/2020		349.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/06/2021		413.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/02/2021		429.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/02/2022		448.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/03/2022		368.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/25/2023		401.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/08/2023		320.0000	*	6.4000
Arsenic, Total	ug/L	MW-12S	04/06/2016		15.6000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/25/2016		14.7000	*	6.4000
Arsenic, Total	ug/L	MW-12S	08/09/2016		15.5000	*	6.4000
Arsenic, Total	ug/L	MW-12S	09/27/2016		15.6000	*	6.4000
Arsenic, Total	ug/L	MW-12S	11/29/2016		14.4000	*	6.4000
Arsenic, Total	ug/L	MW-12S	01/25/2017		18.1000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/23/2017		19.4000	*	6.4000
Arsenic, Total	ug/L	MW-12S	08/08/2017		16.2000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/30/2018		43.5000	*	6.4000
Arsenic, Total	ug/L	MW-12S	09/17/2018		38.2000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/16/2019		30.0000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/29/2020		64.7000	*	6.4000
Arsenic, Total	ug/L	MW-12S	11/05/2020		46.9000	*	6.4000
Arsenic, Total	ug/L	MW-12S	11/01/2021		43.4000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/06/2022		46.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	04/06/2016		365.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/25/2016		369.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	08/09/2016		376.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	09/27/2016		416.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/29/2016		426.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-13S	01/25/2017		397.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/23/2017		386.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	08/08/2017		371.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/30/2018		375.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	09/18/2018		320.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/15/2019		324.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/07/2019		352.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/19/2020		311.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/05/2020		433.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/06/2021		321.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/02/2021		368.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/04/2022		312.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/01/2022		298.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/26/2023		328.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/09/2023		288.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	04/07/2016		89.1000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/26/2016		87.6000	*	6.4000
Arsenic, Total	ug/L	MW-14D	08/10/2016		86.5000	*	6.4000
Arsenic, Total	ug/L	MW-14D	09/28/2016		92.3000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/30/2016		103.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	01/26/2017		116.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/23/2017		124.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	08/09/2017		128.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/30/2018		147.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	09/17/2018		116.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/15/2019		108.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/07/2019		111.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/26/2020		131.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/05/2020		105.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/05/2021		133.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-14D	11/01/2021		113.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/11/2022		127.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/07/2022		109.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/18/2023		123.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/06/2023		112.0000	*	6.4000
Arsenic, Total	ug/L	MW-1S	04/07/2016		49.4000	*	6.4000
Arsenic, Total	ug/L	MW-1S	05/26/2016		22.8000	*	6.4000
Arsenic, Total	ug/L	MW-1S	08/09/2016		34.1000	*	6.4000
Arsenic, Total	ug/L	MW-1S	09/27/2016		10.6000	*	6.4000
Arsenic, Total	ug/L	MW-1S	11/29/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-1S	01/26/2017		35.8000	*	6.4000
Arsenic, Total	ug/L	MW-1S	05/23/2017		23.3000	*	6.4000
Arsenic, Total	ug/L	MW-1S	08/09/2017		14.5000	*	6.4000
Arsenic, Total	ug/L	MW-1S	05/29/2018		168.0000	***	6.4000
Arsenic, Total	ug/L	MW-1S	09/17/2018		33.6000	*	6.4000
Arsenic, Total	ug/L	MW-1S	05/15/2019		13.5000	*	6.4000
Arsenic, Total	ug/L	MW-1S	11/07/2019		50.6000	*	6.4000
Arsenic, Total	ug/L	MW-1S	05/26/2020		12.4000	*	6.4000
Arsenic, Total	ug/L	MW-1S	11/06/2020		21.2000	*	6.4000
Arsenic, Total	ug/L	MW-1S	05/05/2021		24.6000	*	6.4000
Arsenic, Total	ug/L	MW-1S	11/03/2021		7.4000	*	6.4000
Arsenic, Total	ug/L	MW-1S	05/09/2022		9.6000	*	6.4000
Arsenic, Total	ug/L	MW-1S	11/09/2022		5.7000		6.4000
Arsenic, Total	ug/L	MW-1S	05/23/2023		8.2000	*	6.4000
Arsenic, Total	ug/L	MW-1S	11/22/2023		5.9000		6.4000
Arsenic, Total	ug/L	MW-2D	04/05/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	05/24/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	08/08/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	09/26/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	11/28/2016	ND	10.0000		6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-2D	01/24/2017	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	05/22/2017	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	08/07/2017	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	05/29/2018	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	09/17/2018		1.8000		6.4000
Arsenic, Total	ug/L	MW-2D	05/15/2019		2.2000		6.4000
Arsenic, Total	ug/L	MW-2D	11/05/2019		3.1000		6.4000
Arsenic, Total	ug/L	MW-2D	05/19/2020		1.9000		6.4000
Arsenic, Total	ug/L	MW-2D	11/04/2020		3.8000		6.4000
Arsenic, Total	ug/L	MW-2D	05/03/2021		2.5000		6.4000
Arsenic, Total	ug/L	MW-2D	11/01/2021		3.8000		6.4000
Arsenic, Total	ug/L	MW-2D	05/04/2022		4.0000		6.4000
Arsenic, Total	ug/L	MW-2D	11/08/2022		5.9000		6.4000
Arsenic, Total	ug/L	MW-2D	05/23/2023		4.3000		6.4000
Arsenic, Total	ug/L	MW-2D	11/27/2023		6.5000	*	6.4000
Arsenic, Total	ug/L	MW-2S	04/05/2016		26.5000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/24/2016		22.0000	*	6.4000
Arsenic, Total	ug/L	MW-2S	08/08/2016		27.3000	*	6.4000
Arsenic, Total	ug/L	MW-2S	09/26/2016		22.4000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/28/2016		21.7000	*	6.4000
Arsenic, Total	ug/L	MW-2S	01/24/2017		17.3000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/22/2017		27.0000	*	6.4000
Arsenic, Total	ug/L	MW-2S	08/07/2017		19.8000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/29/2018		18.4000	*	6.4000
Arsenic, Total	ug/L	MW-2S	09/17/2018		14.6000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/14/2019		12.5000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/05/2019		14.6000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/19/2020		9.0000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/04/2020		16.4000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/03/2021		6.9000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	11/01/2021		28.9000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/04/2022		8.8000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/08/2022		14.9000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/23/2023		7.9000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/27/2023		12.7000	*	6.4000
Arsenic, Total	ug/L	MW-6S	04/06/2016		28.3000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/25/2016		23.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	08/09/2016		34.3000	*	6.4000
Arsenic, Total	ug/L	MW-6S	09/27/2016		30.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/29/2016		35.1000	*	6.4000
Arsenic, Total	ug/L	MW-6S	01/25/2017		11.6000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/23/2017		12.4000	*	6.4000
Arsenic, Total	ug/L	MW-6S	08/08/2017		11.2000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/30/2018		13.6000	*	6.4000
Arsenic, Total	ug/L	MW-6S	09/18/2018		15.5000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/14/2019		11.4000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/28/2020		23.8000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/09/2020		39.2000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/05/2021		11.9000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/01/2021		11.8000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/04/2022		6.9000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/02/2022		13.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/25/2023		9.7000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/07/2023		17.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	04/06/2016		320.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/25/2016		353.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	08/09/2016		365.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	09/27/2016		352.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/29/2016		372.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	01/25/2017		352.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-7S	05/23/2017		373.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	08/08/2017		359.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/30/2018		383.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	09/18/2018		317.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/15/2019		345.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/06/2019		439.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/27/2020		367.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/17/2020		462.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/06/2021		419.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/02/2021		376.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/04/2022		374.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/02/2022		388.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/26/2023		385.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/09/2023		379.0000	*	6.4000
Barium, Total	ug/L	MW-10S	04/06/2016		119.0000	*	75.9648
Barium, Total	ug/L	MW-10S	05/25/2016		62.7000		75.9648
Barium, Total	ug/L	MW-10S	08/09/2016		77.2000	*	75.9648
Barium, Total	ug/L	MW-10S	09/27/2016		72.6000		75.9648
Barium, Total	ug/L	MW-10S	11/29/2016		66.5000		75.9648
Barium, Total	ug/L	MW-10S	01/25/2017		77.0000	*	75.9648
Barium, Total	ug/L	MW-10S	05/23/2017		53.4000		75.9648
Barium, Total	ug/L	MW-10S	08/08/2017		71.4000		75.9648
Barium, Total	ug/L	MW-10S	05/30/2018		43.0000		75.9648
Barium, Total	ug/L	MW-10S	09/18/2018		54.2000		75.9648
Barium, Total	ug/L	MW-10S	05/16/2019		42.6000		75.9648
Barium, Total	ug/L	MW-10S	11/05/2019		51.1000		75.9648
Barium, Total	ug/L	MW-10S	05/19/2020		81.1000	*	75.9648
Barium, Total	ug/L	MW-10S	11/05/2020		46.8000		75.9648
Barium, Total	ug/L	MW-10S	05/06/2021		87.8000	*	75.9648
Barium, Total	ug/L	MW-10S	11/02/2021		73.3000		75.9648

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-10S	05/02/2022		75.8000		75.9648
Barium, Total	ug/L	MW-10S	11/03/2022		72.4000		75.9648
Barium, Total	ug/L	MW-10S	05/25/2023		85.8000	*	75.9648
Barium, Total	ug/L	MW-10S	11/08/2023		53.7000		75.9648
Barium, Total	ug/L	MW-11S	04/07/2016		111.0000	*	75.9648
Barium, Total	ug/L	MW-11S	05/26/2016		101.0000	*	75.9648
Barium, Total	ug/L	MW-11S	08/10/2016		89.5000	*	75.9648
Barium, Total	ug/L	MW-11S	09/28/2016		81.2000	*	75.9648
Barium, Total	ug/L	MW-11S	11/30/2016		161.0000	*	75.9648
Barium, Total	ug/L	MW-11S	01/26/2017		86.1000	*	75.9648
Barium, Total	ug/L	MW-11S	05/24/2017		79.7000	*	75.9648
Barium, Total	ug/L	MW-11S	08/09/2017		300.0000	*	75.9648
Barium, Total	ug/L	MW-11S	05/29/2018		168.0000	*	75.9648
Barium, Total	ug/L	MW-11S	09/14/2018		90.6000	*	75.9648
Barium, Total	ug/L	MW-11S	05/15/2019		81.1000	*	75.9648
Barium, Total	ug/L	MW-11S	11/07/2019		76.7000	*	75.9648
Barium, Total	ug/L	MW-11S	05/27/2020		304.0000	*	75.9648
Barium, Total	ug/L	MW-11S	11/05/2020		76.2000	*	75.9648
Barium, Total	ug/L	MW-11S	05/05/2021		75.1000		75.9648
Barium, Total	ug/L	MW-11S	11/01/2021		74.3000		75.9648
Barium, Total	ug/L	MW-11S	05/11/2022		175.0000	*	75.9648
Barium, Total	ug/L	MW-11S	11/08/2022		69.4000		75.9648
Barium, Total	ug/L	MW-11S	05/25/2023		74.3000		75.9648
Barium, Total	ug/L	MW-11S	11/08/2023		123.0000	*	75.9648
Barium, Total	ug/L	MW-1S	04/07/2016		100.0000	*	75.9648
Barium, Total	ug/L	MW-1S	05/26/2016		76.4000	*	75.9648
Barium, Total	ug/L	MW-1S	08/09/2016		97.3000	*	75.9648
Barium, Total	ug/L	MW-1S	09/27/2016		67.8000		75.9648
Barium, Total	ug/L	MW-1S	11/29/2016		43.3000		75.9648
Barium, Total	ug/L	MW-1S	01/26/2017		127.0000	*	75.9648

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/23/2017		72.5000		75.9648
Barium, Total	ug/L	MW-1S	08/09/2017		62.2000		75.9648
Barium, Total	ug/L	MW-1S	05/29/2018		279.0000	*	75.9648
Barium, Total	ug/L	MW-1S	09/17/2018		95.8000	*	75.9648
Barium, Total	ug/L	MW-1S	05/15/2019		63.5000		75.9648
Barium, Total	ug/L	MW-1S	11/07/2019		140.0000	*	75.9648
Barium, Total	ug/L	MW-1S	05/26/2020		69.8000		75.9648
Barium, Total	ug/L	MW-1S	11/06/2020		112.0000	*	75.9648
Barium, Total	ug/L	MW-1S	05/05/2021		125.0000	*	75.9648
Barium, Total	ug/L	MW-1S	11/03/2021		64.8000		75.9648
Barium, Total	ug/L	MW-1S	05/09/2022		69.9000		75.9648
Barium, Total	ug/L	MW-1S	11/09/2022		57.7000		75.9648
Barium, Total	ug/L	MW-1S	05/23/2023		66.3000		75.9648
Barium, Total	ug/L	MW-1S	11/22/2023		76.1000	*	75.9648
Barium, Total	ug/L	MW-2S	04/05/2016		205.0000	*	75.9648
Barium, Total	ug/L	MW-2S	05/24/2016		158.0000	*	75.9648
Barium, Total	ug/L	MW-2S	08/08/2016		168.0000	*	75.9648
Barium, Total	ug/L	MW-2S	09/26/2016		180.0000	*	75.9648
Barium, Total	ug/L	MW-2S	11/28/2016		185.0000	*	75.9648
Barium, Total	ug/L	MW-2S	01/24/2017		97.4000	*	75.9648
Barium, Total	ug/L	MW-2S	05/22/2017		138.0000	*	75.9648
Barium, Total	ug/L	MW-2S	08/07/2017		127.0000	*	75.9648
Barium, Total	ug/L	MW-2S	05/29/2018		90.3000	*	75.9648
Barium, Total	ug/L	MW-2S	09/17/2018		86.0000	*	75.9648
Barium, Total	ug/L	MW-2S	05/14/2019		123.0000	*	75.9648
Barium, Total	ug/L	MW-2S	11/05/2019		195.0000	*	75.9648
Barium, Total	ug/L	MW-2S	05/19/2020		86.1000	*	75.9648
Barium, Total	ug/L	MW-2S	11/04/2020		137.0000	*	75.9648
Barium, Total	ug/L	MW-2S	05/03/2021		92.4000	*	75.9648
Barium, Total	ug/L	MW-2S	11/01/2021		103.0000	*	75.9648

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/04/2022		97.1000	*	75.9648
Barium, Total	ug/L	MW-2S	11/08/2022		230.0000	*	75.9648
Barium, Total	ug/L	MW-2S	05/23/2023		91.8000	*	75.9648
Barium, Total	ug/L	MW-2S	11/27/2023		121.0000	*	75.9648
Barium, Total	ug/L	MW-4S	04/05/2016		117.0000	*	75.9648
Barium, Total	ug/L	MW-4S	05/25/2016		136.0000	*	75.9648
Barium, Total	ug/L	MW-4S	08/08/2016		140.0000	*	75.9648
Barium, Total	ug/L	MW-4S	09/26/2016		123.0000	*	75.9648
Barium, Total	ug/L	MW-4S	11/29/2016		128.0000	*	75.9648
Barium, Total	ug/L	MW-4S	01/24/2017		119.0000	*	75.9648
Barium, Total	ug/L	MW-4S	05/22/2017		70.3000		75.9648
Barium, Total	ug/L	MW-4S	08/07/2017		93.8000	*	75.9648
Barium, Total	ug/L	MW-4S	05/29/2018		49.4000		75.9648
Barium, Total	ug/L	MW-4S	09/14/2018		93.0000	*	75.9648
Barium, Total	ug/L	MW-4S	05/14/2019		60.0000		75.9648
Barium, Total	ug/L	MW-4S	06/05/2020		86.0000	*	75.9648
Barium, Total	ug/L	MW-4S	11/03/2020		113.0000	*	75.9648
Barium, Total	ug/L	MW-4S	11/01/2021		80.8000	*	75.9648
Barium, Total	ug/L	MW-4S	05/04/2022		90.7000	*	75.9648
Barium, Total	ug/L	MW-6S	04/06/2016		150.0000	*	75.9648
Barium, Total	ug/L	MW-6S	05/25/2016		112.0000	*	75.9648
Barium, Total	ug/L	MW-6S	08/09/2016		166.0000	*	75.9648
Barium, Total	ug/L	MW-6S	09/27/2016		160.0000	*	75.9648
Barium, Total	ug/L	MW-6S	11/29/2016		189.0000	*	75.9648
Barium, Total	ug/L	MW-6S	01/25/2017		105.0000	*	75.9648
Barium, Total	ug/L	MW-6S	05/23/2017		80.5000	*	75.9648
Barium, Total	ug/L	MW-6S	08/08/2017		80.6000	*	75.9648
Barium, Total	ug/L	MW-6S	05/30/2018		116.0000	*	75.9648
Barium, Total	ug/L	MW-6S	09/18/2018		132.0000	*	75.9648
Barium, Total	ug/L	MW-6S	05/14/2019		103.0000	*	75.9648

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/28/2020		141.0000	*	75.9648
Barium, Total	ug/L	MW-6S	11/09/2020		121.0000	*	75.9648
Barium, Total	ug/L	MW-6S	05/05/2021		113.0000	*	75.9648
Barium, Total	ug/L	MW-6S	11/01/2021		117.0000	*	75.9648
Barium, Total	ug/L	MW-6S	05/04/2022		132.0000	*	75.9648
Barium, Total	ug/L	MW-6S	11/02/2022		91.4000	*	75.9648
Barium, Total	ug/L	MW-6S	05/25/2023		94.8000	*	75.9648
Barium, Total	ug/L	MW-6S	11/07/2023		107.0000	*	75.9648
Fluoride	mg/L	MW-10S	04/06/2016		3.5000	*	0.1400
Fluoride	mg/L	MW-10S	05/25/2016		3.0000	*	0.1400
Fluoride	mg/L	MW-10S	08/09/2016		2.2000	*	0.1400
Fluoride	mg/L	MW-10S	09/27/2016		2.6000	*	0.1400
Fluoride	mg/L	MW-10S	11/29/2016		3.1000	*	0.1400
Fluoride	mg/L	MW-10S	01/25/2017		2.7000	*	0.1400
Fluoride	mg/L	MW-10S	05/23/2017		2.4000	*	0.1400
Fluoride	mg/L	MW-10S	08/08/2017		2.1000	*	0.1400
Fluoride	mg/L	MW-10S	09/20/2017		1.8000	*	0.1400
Fluoride	mg/L	MW-10S	05/30/2018		2.2000	*	0.1400
Fluoride	mg/L	MW-10S	09/18/2018		2.7000	*	0.1400
Fluoride	mg/L	MW-10S	05/16/2019		2.5000	*	0.1400
Fluoride	mg/L	MW-10S	11/05/2019		2.1000	*	0.1400
Fluoride	mg/L	MW-10S	05/19/2020		2.0000	*	0.1400
Fluoride	mg/L	MW-10S	11/05/2020		2.4000	*	0.1400
Fluoride	mg/L	MW-10S	05/06/2021		2.5000	*	0.1400
Fluoride	mg/L	MW-10S	11/02/2021		2.5000	*	0.1400
Fluoride	mg/L	MW-10S	05/02/2022		2.6000	*	0.1400
Fluoride	mg/L	MW-10S	11/03/2022		3.0000	*	0.1400
Fluoride	mg/L	MW-10S	05/25/2023		2.7000	*	0.1400
Fluoride	mg/L	MW-10S	11/08/2023		3.1000	*	0.1400
Fluoride	mg/L	MW-11S	04/07/2016		1.2000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/26/2016		1.3000	*	0.1400
Fluoride	mg/L	MW-11S	08/10/2016		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	09/28/2016		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	11/30/2016		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	01/26/2017		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	05/24/2017		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	08/09/2017		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	09/20/2017		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	05/29/2018		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	09/14/2018		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	05/15/2019		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	11/07/2019		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	05/27/2020		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	11/05/2020		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	05/05/2021		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	11/01/2021		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	05/11/2022		1.8000	*	0.1400
Fluoride	mg/L	MW-11S	11/08/2022		1.7000	*	0.1400
Fluoride	mg/L	MW-11S	05/25/2023		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	11/08/2023		1.5000	*	0.1400
Fluoride	mg/L	MW-12S	04/06/2016		0.3500	*	0.1400
Fluoride	mg/L	MW-12S	05/25/2016		0.3700	*	0.1400
Fluoride	mg/L	MW-12S	08/09/2016		0.3800	*	0.1400
Fluoride	mg/L	MW-12S	09/27/2016		0.3800	*	0.1400
Fluoride	mg/L	MW-12S	11/29/2016		0.4200	*	0.1400
Fluoride	mg/L	MW-12S	01/25/2017		0.5200	*	0.1400
Fluoride	mg/L	MW-12S	05/23/2017		0.5100	*	0.1400
Fluoride	mg/L	MW-12S	08/08/2017		0.5700	*	0.1400
Fluoride	mg/L	MW-12S	09/20/2017		0.7500	*	0.1400
Fluoride	mg/L	MW-12S	05/30/2018		1.8000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-12S	09/17/2018		1.7000	*	0.1400
Fluoride	mg/L	MW-12S	05/16/2019		1.5000	*	0.1400
Fluoride	mg/L	MW-12S	05/29/2020		1.8000	*	0.1400
Fluoride	mg/L	MW-12S	11/05/2020		1.8000	*	0.1400
Fluoride	mg/L	MW-12S	11/01/2021		1.8000	*	0.1400
Fluoride	mg/L	MW-12S	05/06/2022		2.1000	*	0.1400
Fluoride	mg/L	MW-13S	04/06/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-13S	05/25/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-13S	08/09/2016		0.4900	*	0.1400
Fluoride	mg/L	MW-13S	09/27/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-13S	11/29/2016		0.5500	*	0.1400
Fluoride	mg/L	MW-13S	01/25/2017		0.5700	*	0.1400
Fluoride	mg/L	MW-13S	05/23/2017		0.6300	*	0.1400
Fluoride	mg/L	MW-13S	08/08/2017		0.7200	*	0.1400
Fluoride	mg/L	MW-13S	09/20/2017		0.6500	*	0.1400
Fluoride	mg/L	MW-13S	05/30/2018		0.8600	*	0.1400
Fluoride	mg/L	MW-13S	09/18/2018		0.8800	*	0.1400
Fluoride	mg/L	MW-13S	05/15/2019		0.8300	*	0.1400
Fluoride	mg/L	MW-13S	11/07/2019		0.7800	*	0.1400
Fluoride	mg/L	MW-13S	05/19/2020		0.9300	*	0.1400
Fluoride	mg/L	MW-13S	11/05/2020		0.9400	*	0.1400
Fluoride	mg/L	MW-13S	05/06/2021		0.9200	*	0.1400
Fluoride	mg/L	MW-13S	11/02/2021		0.8300	*	0.1400
Fluoride	mg/L	MW-13S	05/04/2022		1.1000	*	0.1400
Fluoride	mg/L	MW-13S	11/01/2022		0.9300	*	0.1400
Fluoride	mg/L	MW-13S	05/26/2023		0.9000	*	0.1400
Fluoride	mg/L	MW-13S	11/09/2023		0.8000	*	0.1400
Fluoride	mg/L	MW-14D	04/07/2016		0.3700	*	0.1400
Fluoride	mg/L	MW-14D	05/26/2016		0.3600	*	0.1400
Fluoride	mg/L	MW-14D	08/10/2016		0.3600	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-14D	09/28/2016		0.3700	*	0.1400
Fluoride	mg/L	MW-14D	11/30/2016		0.3900	*	0.1400
Fluoride	mg/L	MW-14D	01/26/2017		0.3100	*	0.1400
Fluoride	mg/L	MW-14D	05/23/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-14D	08/09/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-14D	09/20/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-14D	05/30/2018		0.3200	*	0.1400
Fluoride	mg/L	MW-14D	09/17/2018		0.2300	*	0.1400
Fluoride	mg/L	MW-14D	05/15/2019		0.2800	*	0.1400
Fluoride	mg/L	MW-14D	11/07/2019		0.2100	*	0.1400
Fluoride	mg/L	MW-14D	05/26/2020	ND	0.1000		0.1400
Fluoride	mg/L	MW-14D	11/05/2020		0.2600	*	0.1400
Fluoride	mg/L	MW-14D	05/05/2021	ND	0.1000		0.1400
Fluoride	mg/L	MW-14D	11/01/2021		0.2000	*	0.1400
Fluoride	mg/L	MW-14D	05/11/2022		0.3300	*	0.1400
Fluoride	mg/L	MW-14D	11/07/2022		0.2500	*	0.1400
Fluoride	mg/L	MW-14D	05/18/2023		0.2400	*	0.1400
Fluoride	mg/L	MW-14D	11/06/2023		0.2600	*	0.1400
Fluoride	mg/L	MW-1S	04/07/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-1S	05/26/2016		0.5700	*	0.1400
Fluoride	mg/L	MW-1S	08/09/2016		0.4900	*	0.1400
Fluoride	mg/L	MW-1S	09/27/2016		0.5100	*	0.1400
Fluoride	mg/L	MW-1S	11/29/2016		0.5800	*	0.1400
Fluoride	mg/L	MW-1S	01/26/2017		0.6900	*	0.1400
Fluoride	mg/L	MW-1S	05/23/2017		0.6900	*	0.1400
Fluoride	mg/L	MW-1S	08/09/2017		0.7000	*	0.1400
Fluoride	mg/L	MW-1S	09/20/2017		0.6200	*	0.1400
Fluoride	mg/L	MW-1S	05/29/2018		0.6200	*	0.1400
Fluoride	mg/L	MW-1S	09/17/2018		0.6200	*	0.1400
Fluoride	mg/L	MW-1S	05/15/2019		0.5000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	11/07/2019		0.4200	*	0.1400
Fluoride	mg/L	MW-1S	05/26/2020		0.3600	*	0.1400
Fluoride	mg/L	MW-1S	11/06/2020		0.3500	*	0.1400
Fluoride	mg/L	MW-1S	05/05/2021		0.2400	*	0.1400
Fluoride	mg/L	MW-1S	11/03/2021		0.3100	*	0.1400
Fluoride	mg/L	MW-1S	05/09/2022		0.4100	*	0.1400
Fluoride	mg/L	MW-1S	11/09/2022		0.4700	*	0.1400
Fluoride	mg/L	MW-1S	05/23/2023		0.4600	*	0.1400
Fluoride	mg/L	MW-1S	11/22/2023		0.3200	*	0.1400
Fluoride	mg/L	MW-2D	04/05/2016		2.1000	*	0.1400
Fluoride	mg/L	MW-2D	05/24/2016		2.2000	*	0.1400
Fluoride	mg/L	MW-2D	08/08/2016		2.2000	*	0.1400
Fluoride	mg/L	MW-2D	09/26/2016		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	11/28/2016		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	01/24/2017		2.4000	*	0.1400
Fluoride	mg/L	MW-2D	05/22/2017		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	08/07/2017		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	09/20/2017		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	05/29/2018		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	09/17/2018		2.8000	*	0.1400
Fluoride	mg/L	MW-2D	05/15/2019		1.6000	*	0.1400
Fluoride	mg/L	MW-2D	11/05/2019		1.3000	*	0.1400
Fluoride	mg/L	MW-2D	05/19/2020		1.2000	*	0.1400
Fluoride	mg/L	MW-2D	11/04/2020		1.0000	*	0.1400
Fluoride	mg/L	MW-2D	05/03/2021		0.8700	*	0.1400
Fluoride	mg/L	MW-2D	11/01/2021		0.8600	*	0.1400
Fluoride	mg/L	MW-2D	05/04/2022		0.9500	*	0.1400
Fluoride	mg/L	MW-2D	11/08/2022		0.9400	*	0.1400
Fluoride	mg/L	MW-2D	05/23/2023		0.7300	*	0.1400
Fluoride	mg/L	MW-2D	11/27/2023		0.6800	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	04/05/2016		0.8400	*	0.1400
Fluoride	mg/L	MW-2S	05/24/2016		1.1000	*	0.1400
Fluoride	mg/L	MW-2S	08/08/2016		1.2000	*	0.1400
Fluoride	mg/L	MW-2S	09/26/2016		1.8000	*	0.1400
Fluoride	mg/L	MW-2S	11/28/2016		1.3000	*	0.1400
Fluoride	mg/L	MW-2S	01/24/2017		2.4000	*	0.1400
Fluoride	mg/L	MW-2S	05/22/2017		1.4000	*	0.1400
Fluoride	mg/L	MW-2S	08/07/2017		1.8000	*	0.1400
Fluoride	mg/L	MW-2S	09/20/2017		1.6000	*	0.1400
Fluoride	mg/L	MW-2S	05/29/2018		1.1000	*	0.1400
Fluoride	mg/L	MW-2S	09/17/2018		1.8000	*	0.1400
Fluoride	mg/L	MW-2S	05/14/2019		0.9600	*	0.1400
Fluoride	mg/L	MW-2S	11/05/2019		0.7000	*	0.1400
Fluoride	mg/L	MW-2S	05/19/2020		0.5800	*	0.1400
Fluoride	mg/L	MW-2S	11/04/2020		0.2800	*	0.1400
Fluoride	mg/L	MW-2S	05/03/2021		0.4600	*	0.1400
Fluoride	mg/L	MW-2S	11/01/2021		0.5000	*	0.1400
Fluoride	mg/L	MW-2S	05/04/2022		0.3900	*	0.1400
Fluoride	mg/L	MW-2S	11/08/2022		0.2900	*	0.1400
Fluoride	mg/L	MW-2S	05/23/2023		0.3000	*	0.1400
Fluoride	mg/L	MW-2S	11/27/2023		0.2300	*	0.1400
Fluoride	mg/L	MW-3S	04/05/2016		1.9000	*	0.1400
Fluoride	mg/L	MW-3S	05/25/2016		1.8000	*	0.1400
Fluoride	mg/L	MW-3S	08/08/2016		1.4000	*	0.1400
Fluoride	mg/L	MW-3S	09/26/2016		1.0000	*	0.1400
Fluoride	mg/L	MW-3S	11/28/2016		1.3000	*	0.1400
Fluoride	mg/L	MW-3S	01/24/2017		1.2000	*	0.1400
Fluoride	mg/L	MW-3S	05/22/2017		0.7600	*	0.1400
Fluoride	mg/L	MW-3S	08/07/2017		0.8700	*	0.1400
Fluoride	mg/L	MW-3S	09/20/2017		0.7700	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/29/2018		0.5200	*	0.1400
Fluoride	mg/L	MW-3S	09/17/2018		0.3500	*	0.1400
Fluoride	mg/L	MW-3S	05/14/2019		0.2700	*	0.1400
Fluoride	mg/L	MW-3S	11/05/2019		0.2400	*	0.1400
Fluoride	mg/L	MW-3S	05/18/2020		0.2600	*	0.1400
Fluoride	mg/L	MW-3S	11/03/2020		0.2100	*	0.1400
Fluoride	mg/L	MW-3S	05/03/2021		0.1700	*	0.1400
Fluoride	mg/L	MW-3S	11/01/2021		0.1400		0.1400
Fluoride	mg/L	MW-3S	05/02/2022	ND	0.1000		0.1400
Fluoride	mg/L	MW-3S	01/19/2023		0.1900	*	0.1400
Fluoride	mg/L	MW-3S	03/24/2023		0.1700	*	0.1400
Fluoride	mg/L	MW-3S	05/18/2023		0.1700	*	0.1400
Fluoride	mg/L	MW-5S	04/06/2016		4.0000	*	0.1400
Fluoride	mg/L	MW-5S	05/25/2016		4.0000	*	0.1400
Fluoride	mg/L	MW-5S	08/09/2016		3.5000	*	0.1400
Fluoride	mg/L	MW-5S	09/27/2016		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	11/29/2016		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	01/25/2017		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	05/23/2017		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	08/08/2017		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	09/20/2017		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	05/30/2018		2.6000	*	0.1400
Fluoride	mg/L	MW-5S	09/18/2018		3.0000	*	0.1400
Fluoride	mg/L	MW-5S	05/14/2019		2.5000	*	0.1400
Fluoride	mg/L	MW-5S	05/18/2020		2.4000	*	0.1400
Fluoride	mg/L	MW-5S	11/05/2020		2.3000	*	0.1400
Fluoride	mg/L	MW-5S	05/06/2021		1.7000	*	0.1400
Fluoride	mg/L	MW-5S	11/01/2021		1.9000	*	0.1400
Fluoride	mg/L	MW-5S	05/04/2022		1.8000	*	0.1400
Fluoride	mg/L	MW-5S	11/11/2022		1.5000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-5S	05/18/2023		1.1000	*	0.1400
Fluoride	mg/L	MW-6S	04/06/2016		0.9300	*	0.1400
Fluoride	mg/L	MW-6S	05/25/2016		0.9400	*	0.1400
Fluoride	mg/L	MW-6S	08/09/2016		0.7600	*	0.1400
Fluoride	mg/L	MW-6S	09/27/2016		0.8400	*	0.1400
Fluoride	mg/L	MW-6S	11/29/2016		0.9100	*	0.1400
Fluoride	mg/L	MW-6S	01/25/2017		0.7400	*	0.1400
Fluoride	mg/L	MW-6S	05/23/2017		0.8300	*	0.1400
Fluoride	mg/L	MW-6S	08/08/2017		1.1000	*	0.1400
Fluoride	mg/L	MW-6S	09/20/2017		0.9300	*	0.1400
Fluoride	mg/L	MW-6S	05/30/2018		1.0000	*	0.1400
Fluoride	mg/L	MW-6S	09/18/2018		1.2000	*	0.1400
Fluoride	mg/L	MW-6S	05/14/2019		0.5500	*	0.1400
Fluoride	mg/L	MW-6S	05/28/2020		1.0000	*	0.1400
Fluoride	mg/L	MW-6S	11/09/2020		1.4000	*	0.1400
Fluoride	mg/L	MW-6S	05/05/2021		1.3000	*	0.1400
Fluoride	mg/L	MW-6S	11/01/2021		1.2000	*	0.1400
Fluoride	mg/L	MW-6S	05/04/2022		1.3000	*	0.1400
Fluoride	mg/L	MW-6S	11/02/2022		1.5000	*	0.1400
Fluoride	mg/L	MW-6S	05/25/2023		1.5000	*	0.1400
Fluoride	mg/L	MW-6S	11/07/2023		1.2000	*	0.1400
Fluoride	mg/L	MW-7S	04/06/2016		0.3400	*	0.1400
Fluoride	mg/L	MW-7S	05/25/2016		0.3800	*	0.1400
Fluoride	mg/L	MW-7S	08/09/2016		0.3400	*	0.1400
Fluoride	mg/L	MW-7S	09/27/2016		0.3600	*	0.1400
Fluoride	mg/L	MW-7S	11/29/2016		0.3600	*	0.1400
Fluoride	mg/L	MW-7S	01/25/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-7S	05/23/2017		0.3700	*	0.1400
Fluoride	mg/L	MW-7S	08/08/2017		0.4100	*	0.1400
Fluoride	mg/L	MW-7S	09/20/2017		0.4000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-7S	05/30/2018		0.4200	*	0.1400
Fluoride	mg/L	MW-7S	09/18/2018		0.4500	*	0.1400
Fluoride	mg/L	MW-7S	05/15/2019		0.5000	*	0.1400
Fluoride	mg/L	MW-7S	11/06/2019		0.4600	*	0.1400
Fluoride	mg/L	MW-7S	05/27/2020		0.5700	*	0.1400
Fluoride	mg/L	MW-7S	11/17/2020		0.5400	*	0.1400
Fluoride	mg/L	MW-7S	05/06/2021		0.5100	*	0.1400
Fluoride	mg/L	MW-7S	11/02/2021		0.5000	*	0.1400
Fluoride	mg/L	MW-7S	05/04/2022		0.7200	*	0.1400
Fluoride	mg/L	MW-7S	11/02/2022		0.5800	*	0.1400
Fluoride	mg/L	MW-7S	05/26/2023		0.6200	*	0.1400
Fluoride	mg/L	MW-7S	11/09/2023		0.5800	*	0.1400
Fluoride	mg/L	MW-8S	04/07/2016		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	05/26/2016		0.2300	*	0.1400
Fluoride	mg/L	MW-8S	08/09/2016		0.2000	*	0.1400
Fluoride	mg/L	MW-8S	09/28/2016		0.2000	*	0.1400
Fluoride	mg/L	MW-8S	11/30/2016		0.2000	*	0.1400
Fluoride	mg/L	MW-8S	01/26/2017		0.1800	*	0.1400
Fluoride	mg/L	MW-8S	05/23/2017		0.1600	*	0.1400
Fluoride	mg/L	MW-8S	08/09/2017		0.1600	*	0.1400
Fluoride	mg/L	MW-8S	09/20/2017		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	05/29/2018		0.1400		0.1400
Fluoride	mg/L	MW-8S	09/17/2018	ND	0.1000		0.1400
Fluoride	mg/L	MW-8S	05/15/2019		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	11/07/2019		0.1300		0.1400
Fluoride	mg/L	MW-8S	05/26/2020		0.1100		0.1400
Fluoride	mg/L	MW-8S	11/09/2020		0.1500	*	0.1400
Fluoride	mg/L	MW-8S	05/05/2021	ND	0.1000		0.1400
Fluoride	mg/L	MW-8S	11/04/2021		0.1200		0.1400
Fluoride	mg/L	MW-8S	05/13/2022	ND	0.1000		0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-8S	11/08/2022		0.1600	*	0.1400
Fluoride	mg/L	MW-8S	05/23/2023		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	11/10/2023		0.1000		0.1400
Fluoride	mg/L	MW-9S	04/06/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	05/25/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	08/08/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	09/27/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	11/28/2016		0.1500	*	0.1400
Fluoride	mg/L	MW-9S	01/25/2017		0.1000		0.1400
Fluoride	mg/L	MW-9S	05/23/2017	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	08/08/2017	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	09/20/2017	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	05/30/2018	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	09/17/2018	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	05/16/2019		0.1600	*	0.1400
Fluoride	mg/L	MW-9S	05/29/2020	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	11/09/2020		0.2100	*	0.1400
Fluoride	mg/L	MW-9SR	01/31/2023		0.5900	*	0.1400
Fluoride	mg/L	MW-9SR	05/24/2023		0.6100	*	0.1400
Lithium, Total	ug/L	MW-10S	04/06/2016		106.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2016		94.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/09/2016		98.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/27/2016		79.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/29/2016		96.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	01/25/2017		95.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/23/2017		72.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/08/2017		93.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/30/2018		57.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/18/2018		59.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/16/2019		69.5000	*	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 C-7

Historical Downgradient 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	11/05/2019		60.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/19/2020		75.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/05/2020		49.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/06/2021		45.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/02/2021		53.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/02/2022		40.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/03/2022		33.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2023		33.7000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/08/2023		33.4000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/06/2016		215.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/25/2016		196.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	08/09/2016		193.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/27/2016		176.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/29/2016		189.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	01/25/2017		158.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/23/2017		155.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	08/08/2017		160.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/30/2018		106.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/17/2018		116.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/16/2019		127.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/29/2020		97.5000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/05/2020		84.6000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/01/2021		73.2000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/06/2022		67.8000	*	20.0000
Lithium, Total	ug/L	MW-13S	04/06/2016		89.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/25/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	08/09/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	09/27/2016		119.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/29/2016		148.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	01/25/2017		143.0000	*	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 C-7

Historical Downgradient 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-13S	05/23/2017		116.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	08/08/2017		107.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/30/2018		91.4000	*	20.0000
Lithium, Total	ug/L	MW-13S	09/18/2018		84.6000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/15/2019		99.7000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/07/2019		75.1000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/19/2020		83.6000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/05/2020		69.3000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/06/2021		62.5000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/02/2021		73.3000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/04/2022		62.2000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/01/2022		63.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/26/2023		58.4000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/09/2023		57.1000	*	20.0000
Lithium, Total	ug/L	MW-14D	04/07/2016		526.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/26/2016		620.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	08/10/2016		358.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	09/28/2016		355.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/30/2016		352.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	01/26/2017		520.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/23/2017		662.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	08/09/2017		541.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/30/2018		664.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	09/17/2018		610.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/15/2019		567.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/07/2019		479.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/26/2020		820.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/05/2020		445.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/05/2021		809.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/01/2021		751.0000	*	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 C-7

Historical Downgradient 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-14D	05/11/2022		768.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/07/2022		545.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/18/2023		960.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/06/2023		666.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/05/2016		108.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/24/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/08/2016		103.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/26/2016		77.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/28/2016		91.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	01/24/2017		90.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/22/2017		73.3000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/07/2017		87.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/29/2018		36.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/17/2018		32.1000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/15/2019		45.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/05/2019		65.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/19/2020		42.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/04/2020		55.4000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/03/2021		40.3000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/01/2021		56.1000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/04/2022		49.4000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/08/2022		54.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/23/2023		50.1000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/27/2023		45.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/05/2016		112.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/24/2016		87.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/08/2016		87.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/26/2016		71.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/28/2016		88.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	01/24/2017		72.6000	*	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 C-7

Historical Downgradient 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	05/22/2017		60.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/07/2017		75.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/29/2018		25.7000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/17/2018		25.1000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/14/2019	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/05/2019		26.1000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/19/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/04/2020		23.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/03/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/01/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	05/04/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/08/2022		21.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/23/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/27/2023		32.3000	*	20.0000
Lithium, Total	ug/L	MW-4S	04/05/2016		23.9000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/25/2016		21.5000	*	20.0000
Lithium, Total	ug/L	MW-4S	08/08/2016		20.7000	*	20.0000
Lithium, Total	ug/L	MW-4S	09/26/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	11/29/2016		25.4000	*	20.0000
Lithium, Total	ug/L	MW-4S	01/24/2017		20.9000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/22/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	08/07/2017		22.2000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/29/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	09/14/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/14/2019	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	06/05/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	11/03/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	11/01/2021		23.4000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/04/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-5S	04/06/2016		89.6000	*	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 C-7

Historical Downgradient 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-5S	05/25/2016		78.3000	*	20.0000
Lithium, Total	ug/L	MW-5S	08/09/2016		75.3000	*	20.0000
Lithium, Total	ug/L	MW-5S	09/27/2016		76.3000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/29/2016		94.6000	*	20.0000
Lithium, Total	ug/L	MW-5S	01/25/2017		85.7000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/23/2017		57.4000	*	20.0000
Lithium, Total	ug/L	MW-5S	08/08/2017		63.9000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/30/2018		57.5000	*	20.0000
Lithium, Total	ug/L	MW-5S	09/18/2018		52.8000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/14/2019		59.9000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/18/2020		54.9000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/05/2020		41.7000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/06/2021		42.2000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/01/2021		46.2000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/04/2022		46.5000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/11/2022		44.7000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/18/2023		47.9000	*	20.0000
Lithium, Total	ug/L	MW-6S	04/06/2016		112.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/25/2016		99.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/09/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/27/2016		89.1000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/29/2016		101.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	01/25/2017		114.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/23/2017		99.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/08/2017		86.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/30/2018		75.8000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/18/2018		58.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/14/2019		117.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/28/2020		84.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/09/2020		61.9000	*	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 C-7

Historical Downgradient 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	05/05/2021		62.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/01/2021		73.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/04/2022		71.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/02/2022		48.7000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/25/2023		48.8000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/07/2023		56.9000	*	20.0000
Lithium, Total	ug/L	MW-7S	04/06/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/25/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/09/2016		109.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/27/2016		101.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/29/2016		128.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	01/25/2017		145.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/23/2017		135.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/08/2017		131.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/30/2018		103.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/18/2018		94.3000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/15/2019		106.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/06/2019		89.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/27/2020		87.1000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/17/2020		86.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/06/2021		81.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/02/2021		85.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/04/2022		86.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/02/2022		86.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/26/2023		79.2000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/09/2023		73.5000	*	20.0000
Lithium, Total	ug/L	MW-8S	04/07/2016		182.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/26/2016		135.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	08/09/2016		204.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	09/28/2016		184.0000	*	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 C-7

Historical Downgradient 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-8S	11/30/2016		184.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	01/26/2017		155.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/23/2017		94.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	08/09/2017		73.8000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/29/2018		132.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	09/17/2018		147.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/15/2019		124.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/07/2019		174.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/26/2020		124.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/09/2020		188.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/05/2021		123.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/04/2021		137.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/13/2022		101.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/08/2022		169.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/23/2023		118.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/10/2023		137.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	04/06/2016		126.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/25/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	08/08/2016		103.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	09/27/2016		84.9000	*	20.0000
Lithium, Total	ug/L	MW-9S	11/28/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	01/25/2017		114.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/23/2017		86.7000	*	20.0000
Lithium, Total	ug/L	MW-9S	08/08/2017		90.6000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/30/2018		93.3000	*	20.0000
Lithium, Total	ug/L	MW-9S	09/17/2018		89.4000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/16/2019		70.3000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/29/2020		86.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	11/09/2020		72.7000	*	20.0000
Lithium, Total	ug/L	MW-9SR	01/31/2023		93.6000	*	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 C-7

Historical Downgradient 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-9SR	05/24/2023		61.5000	*	20.0000
Molybdenum, Total	ug/L	MW-10S	04/06/2016		324.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2016		299.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/09/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/27/2016		247.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/29/2016		241.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	01/25/2017		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/23/2017		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/08/2017		166.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/30/2018		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/18/2018		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/16/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/19/2020		82.7000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2020		77.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/06/2021		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/02/2021		71.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/02/2022		65.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/03/2022		69.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2023		60.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/08/2023		162.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	04/07/2016		77.3000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/26/2016		81.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/10/2016		82.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	09/28/2016		80.7000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/30/2016		82.9000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	01/26/2017		83.4000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/24/2017		78.7000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/09/2017		73.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/29/2018		73.3000	*	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 C-7

Historical Downgradient 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-11S	09/14/2018		74.4000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/15/2019		73.2000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/07/2019		75.9000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/27/2020		83.3000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/05/2020		80.6000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/05/2021		77.6000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/01/2021		76.1000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/11/2022		82.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/08/2022		73.8000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/25/2023		77.9000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/08/2023		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/06/2016		256.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/25/2016		274.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/09/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	09/27/2016		265.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/29/2016		269.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	01/25/2017		227.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/23/2017		273.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/08/2017		283.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/30/2018		287.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	09/17/2018		294.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/16/2019		241.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/29/2020		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/05/2020		196.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/01/2021		144.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/06/2022		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	04/06/2016		577.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/25/2016		563.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	08/09/2016		552.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	09/27/2016		517.0000	*	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 C-7

Historical Downgradient 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-13S	11/29/2016		517.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	01/25/2017		481.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/23/2017		508.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	08/08/2017		511.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/30/2018		720.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	09/18/2018		770.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/15/2019		782.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/07/2019		809.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/19/2020		746.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/05/2020		722.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/06/2021		692.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/02/2021		553.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/04/2022		557.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/01/2022		544.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/26/2023		480.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/09/2023		350.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	04/07/2016		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/26/2016		187.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	08/10/2016		254.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	09/28/2016		242.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/30/2016		245.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	01/26/2017		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/23/2017		224.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	08/09/2017		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/30/2018		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	09/17/2018		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/15/2019		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/07/2019		267.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/26/2020		187.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/05/2020		259.0000	*	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 C-7

Historical Downgradient 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-14D	05/05/2021		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/01/2021		257.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/11/2022		203.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/07/2022		263.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/18/2023		216.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/06/2023		222.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/07/2016		456.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/26/2016		309.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/09/2016		199.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/27/2016		167.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/29/2016		151.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	01/26/2017		247.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/23/2017		106.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/09/2017		88.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/29/2018		57.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/17/2018		51.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/15/2019		50.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/07/2019		28.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/26/2020		37.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/06/2020		25.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/05/2021		24.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/03/2021		28.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/09/2022		25.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/09/2022		18.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/23/2023		21.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/22/2023		19.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/05/2016		289.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/24/2016		286.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/08/2016		273.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/26/2016		256.0000	*	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 C-7

Historical Downgradient 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-2D	11/28/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	01/24/2017		262.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/22/2017		263.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/07/2017		241.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/29/2018		250.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/17/2018		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/15/2019		106.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/05/2019		79.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/19/2020		89.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/04/2020		76.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/03/2021		56.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/01/2021		56.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/04/2022		52.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/08/2022		82.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/23/2023		65.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/27/2023		68.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	04/05/2016		458.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/24/2016		352.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/08/2016		248.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/26/2016		179.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/28/2016		190.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	01/24/2017		214.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/22/2017		135.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/07/2017		141.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/29/2018		78.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/17/2018		85.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/14/2019		36.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/05/2019		31.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/19/2020		27.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/04/2020		36.0000	*	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 C-7

Historical Downgradient 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	05/03/2021		35.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/01/2021		38.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/04/2022		15.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/08/2022		20.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/23/2023		18.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/27/2023		27.5000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/05/2016		139.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/25/2016		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/08/2016		97.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/26/2016		77.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/28/2016		98.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	01/24/2017		88.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/22/2017		63.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/07/2017		64.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/29/2018		78.8000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/17/2018		52.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/14/2019		43.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/05/2019		41.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/18/2020		49.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/03/2020		40.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/03/2021		36.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/01/2021		46.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/02/2022		32.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	01/19/2023		27.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	03/24/2023		27.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/18/2023		27.3000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	04/06/2016		251.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/25/2016		266.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	08/09/2016		266.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	09/27/2016		275.0000	*	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 C-7

Historical Downgradient 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-5S	11/29/2016		321.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	01/25/2017		313.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/23/2017		319.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	08/08/2017		307.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/30/2018		265.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	09/18/2018		254.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/14/2019		231.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/18/2020		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	11/05/2020		182.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/06/2021		131.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	11/01/2021		152.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/04/2022		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	11/11/2022		92.1000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/18/2023		56.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	04/06/2016		309.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/25/2016		261.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/09/2016		240.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/27/2016		226.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/29/2016		243.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	01/25/2017		166.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/23/2017		142.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/08/2017		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/30/2018		150.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/18/2018		157.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/14/2019		65.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/28/2020		146.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/09/2020		211.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/05/2021		216.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/01/2021		186.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/04/2022		150.0000	*	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 C-7

Historical Downgradient 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-6S	11/02/2022		211.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/25/2023		203.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/07/2023		215.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	04/06/2016		435.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/25/2016		448.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/09/2016		477.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/27/2016		468.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/29/2016		486.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	01/25/2017		439.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/23/2017		429.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/08/2017		425.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/30/2018		528.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/18/2018		518.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/15/2019		575.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/06/2019		608.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/27/2020		705.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/17/2020		681.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/06/2021		676.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/02/2021		625.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/04/2022		582.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/02/2022		605.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/26/2023		514.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/09/2023		457.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	04/07/2016		258.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/26/2016		210.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	08/09/2016		329.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	09/28/2016		331.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/30/2016		389.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	01/26/2017		294.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/23/2017		208.0000	*	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 C-7

Historical Downgradient 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-8S	08/09/2017		150.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/29/2018		419.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	09/17/2018		311.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/15/2019		329.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/07/2019		530.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/26/2020		306.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/09/2020		532.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/05/2021		354.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/04/2021		270.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/13/2022		165.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/08/2022		386.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/23/2023		261.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/10/2023		253.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	04/06/2016		519.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/25/2016		438.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	08/08/2016		374.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	09/27/2016		344.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	11/28/2016		368.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	01/25/2017		290.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/23/2017		217.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	08/08/2017		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/30/2018		116.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	09/17/2018		98.4000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/16/2019		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/29/2020		93.9000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	11/09/2020		201.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9SR	01/31/2023		238.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9SR	05/24/2023		226.0000	*	10.0000
Selenium, Total	ug/L	MW-12S	04/06/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/25/2016	ND	10.0000		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 C-7

Historical Downgradient 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	08/09/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	09/27/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	11/29/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	01/25/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/23/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	08/08/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/30/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	09/17/2018	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/16/2019		1.4000	*	1.3000
Selenium, Total	ug/L	MW-12S	05/29/2020	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	11/05/2020	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	11/01/2021		10.7000	*	1.3000
Selenium, Total	ug/L	MW-12S	05/06/2022		26.3000	*	1.3000
Selenium, Total	ug/L	MW-3S	04/05/2016		11.1000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/25/2016		10.7000	*	1.3000
Selenium, Total	ug/L	MW-3S	08/08/2016		15.0000	*	1.3000
Selenium, Total	ug/L	MW-3S	09/26/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	11/28/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	01/24/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/22/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	08/07/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/29/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	09/17/2018		3.4000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/14/2019		16.5000	*	1.3000
Selenium, Total	ug/L	MW-3S	11/05/2019	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/18/2020		8.2000	*	1.3000
Selenium, Total	ug/L	MW-3S	11/03/2020		1.5000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/03/2021		9.5000	*	1.3000
Selenium, Total	ug/L	MW-3S	11/01/2021		3.6000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/02/2022		26.4000	*	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 C-7

Historical Downgradient 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-3S	01/19/2023		1.8000	*	1.3000
Selenium, Total	ug/L	MW-3S	03/24/2023		4.8000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/18/2023		8.6000	*	1.3000
Selenium, Total	ug/L	MW-4S	04/05/2016		50.8000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/25/2016		31.5000	*	1.3000
Selenium, Total	ug/L	MW-4S	08/08/2016		35.6000	*	1.3000
Selenium, Total	ug/L	MW-4S	09/26/2016		13.4000	*	1.3000
Selenium, Total	ug/L	MW-4S	11/29/2016		39.0000	*	1.3000
Selenium, Total	ug/L	MW-4S	01/24/2017		19.6000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/22/2017		20.5000	*	1.3000
Selenium, Total	ug/L	MW-4S	08/07/2017		19.9000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/29/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-4S	09/14/2018		33.8000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/14/2019		16.1000	*	1.3000
Selenium, Total	ug/L	MW-4S	06/05/2020		12.4000	*	1.3000
Selenium, Total	ug/L	MW-4S	11/03/2020		41.4000	*	1.3000
Selenium, Total	ug/L	MW-4S	11/01/2021		20.3000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/04/2022		119.0000	*	1.3000
Selenium, Total	ug/L	MW-4SR	12/08/2022		6.1000	*	1.3000
Selenium, Total	ug/L	MW-4SR	01/19/2023		7.4000	*	1.3000
Selenium, Total	ug/L	MW-4SR	03/23/2023		2.4000	*	1.3000
Selenium, Total	ug/L	MW-4SR	05/24/2023		3.7000	*	1.3000
Selenium, Total	ug/L	MW-6S	04/06/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/25/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	08/09/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	09/27/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	11/29/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	01/25/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/23/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	08/08/2017	ND	10.0000		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 C-7

Historical Downgradient 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	05/30/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	09/18/2018		2.0000	*	1.3000
Selenium, Total	ug/L	MW-6S	05/14/2019		1.7000	*	1.3000
Selenium, Total	ug/L	MW-6S	05/28/2020		3.7000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/09/2020	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/05/2021		3.9000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/01/2021		6.0000	*	1.3000
Selenium, Total	ug/L	MW-6S	05/04/2022		4.4000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/02/2022	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/25/2023		8.9000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/07/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-9S	04/06/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	05/25/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	08/08/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	09/27/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	11/28/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	01/25/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	05/23/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	08/08/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	05/30/2018		146.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	09/17/2018		66.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	05/16/2019		2.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	05/29/2020		120.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	11/09/2020		15.9000	*	1.3000
Selenium, Total	ug/L	MW-9SR	01/31/2023		1.2000		1.3000
Selenium, Total	ug/L	MW-9SR	05/24/2023		28.4000	*	1.3000
Total Radium	pCi/L	MW-14D	04/07/2016		2.2400	*	1.3200
Total Radium	pCi/L	MW-14D	05/26/2016		2.1900	*	1.3200
Total Radium	pCi/L	MW-14D	08/10/2016		2.2600	*	1.3200
Total Radium	pCi/L	MW-14D	09/28/2016		2.0900	*	1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-14D	11/30/2016		1.2200		1.3200
Total Radium	pCi/L	MW-14D	01/26/2017		1.1300		1.3200
Total Radium	pCi/L	MW-14D	05/23/2017		1.2600		1.3200
Total Radium	pCi/L	MW-14D	08/09/2017		1.9000	*	1.3200
Total Radium	pCi/L	MW-14D	05/30/2018		2.4200	*	1.3200
Total Radium	pCi/L	MW-14D	09/17/2018		1.4600	*	1.3200
Total Radium	pCi/L	MW-14D	05/15/2019		1.3300	*	1.3200
Total Radium	pCi/L	MW-14D	11/07/2019		1.7300	*	1.3200
Total Radium	pCi/L	MW-14D	05/26/2020		1.9000	*	1.3200
Total Radium	pCi/L	MW-14D	11/05/2020		1.6300	*	1.3200
Total Radium	pCi/L	MW-14D	05/05/2021		2.0700	*	1.3200
Total Radium	pCi/L	MW-14D	11/01/2021		1.4900	*	1.3200
Total Radium	pCi/L	MW-14D	05/11/2022		1.0300		1.3200
Total Radium	pCi/L	MW-14D	11/07/2022		1.1200		1.3200
Total Radium	pCi/L	MW-14D	05/18/2023		1.6000	*	1.3200
Total Radium	pCi/L	MW-14D	11/06/2023		1.9900	*	1.3200
Total Radium	pCi/L	MW-1S	04/07/2016		2.0400	*	1.3200
Total Radium	pCi/L	MW-1S	05/26/2016		1.5300	*	1.3200
Total Radium	pCi/L	MW-1S	08/09/2016		4.2400	*	1.3200
Total Radium	pCi/L	MW-1S	09/27/2016		1.7500	*	1.3200
Total Radium	pCi/L	MW-1S	11/29/2016		1.3400	*	1.3200
Total Radium	pCi/L	MW-1S	01/26/2017		2.1400	*	1.3200
Total Radium	pCi/L	MW-1S	05/23/2017		2.4100	*	1.3200
Total Radium	pCi/L	MW-1S	08/09/2017		1.2400		1.3200
Total Radium	pCi/L	MW-1S	05/29/2018		4.8400	*	1.3200
Total Radium	pCi/L	MW-1S	09/17/2018		2.2700	*	1.3200
Total Radium	pCi/L	MW-1S	05/15/2019		1.7600	*	1.3200
Total Radium	pCi/L	MW-1S	11/07/2019		5.3800	*	1.3200
Total Radium	pCi/L	MW-1S	05/26/2020		0.9380		1.3200
Total Radium	pCi/L	MW-1S	11/06/2020		3.0800	*	1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-1S	05/05/2021		3.5400	*	1.3200
Total Radium	pCi/L	MW-1S	11/03/2021		1.1100		1.3200
Total Radium	pCi/L	MW-1S	05/09/2022		0.9560		1.3200
Total Radium	pCi/L	MW-1S	11/09/2022		1.9500	*	1.3200
Total Radium	pCi/L	MW-1S	05/23/2023		1.2100		1.3200
Total Radium	pCi/L	MW-1S	11/22/2023		1.6300	*	1.3200
Total Radium	pCi/L	MW-2D	04/05/2016		1.4500	*	1.3200
Total Radium	pCi/L	MW-2D	05/24/2016		1.5300	*	1.3200
Total Radium	pCi/L	MW-2D	08/08/2016		1.1600		1.3200
Total Radium	pCi/L	MW-2D	09/26/2016		1.6300	*	1.3200
Total Radium	pCi/L	MW-2D	11/28/2016		0.7300		1.3200
Total Radium	pCi/L	MW-2D	01/24/2017		1.2900		1.3200
Total Radium	pCi/L	MW-2D	05/22/2017		1.4200	*	1.3200
Total Radium	pCi/L	MW-2D	08/07/2017		1.3700	*	1.3200
Total Radium	pCi/L	MW-2D	05/29/2018	ND	1.9000		1.3200
Total Radium	pCi/L	MW-2D	09/17/2018		1.8800	*	1.3200
Total Radium	pCi/L	MW-2D	05/15/2019		1.8900	*	1.3200
Total Radium	pCi/L	MW-2D	11/05/2019		3.1500	*	1.3200
Total Radium	pCi/L	MW-2D	05/19/2020		1.8200	*	1.3200
Total Radium	pCi/L	MW-2D	11/04/2020		3.9600	*	1.3200
Total Radium	pCi/L	MW-2D	05/03/2021		1.8400	*	1.3200
Total Radium	pCi/L	MW-2D	11/01/2021		1.5800	*	1.3200
Total Radium	pCi/L	MW-2D	05/04/2022		1.8800	*	1.3200
Total Radium	pCi/L	MW-2D	11/08/2022		2.0400	*	1.3200
Total Radium	pCi/L	MW-2D	05/23/2023		1.7300	*	1.3200
Total Radium	pCi/L	MW-2D	11/27/2023		1.5300	*	1.3200
Total Radium	pCi/L	MW-2S	04/05/2016		1.6900	*	1.3200
Total Radium	pCi/L	MW-2S	05/24/2016		2.2300	*	1.3200
Total Radium	pCi/L	MW-2S	08/08/2016		1.2300		1.3200
Total Radium	pCi/L	MW-2S	09/26/2016		0.9650		1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-2S	11/28/2016		2.4400	*	1.3200
Total Radium	pCi/L	MW-2S	01/24/2017		0.9750		1.3200
Total Radium	pCi/L	MW-2S	05/22/2017		1.5000	*	1.3200
Total Radium	pCi/L	MW-2S	08/07/2017		1.3000		1.3200
Total Radium	pCi/L	MW-2S	05/29/2018		1.3800	*	1.3200
Total Radium	pCi/L	MW-2S	09/17/2018		1.1400		1.3200
Total Radium	pCi/L	MW-2S	05/14/2019		2.1200	*	1.3200
Total Radium	pCi/L	MW-2S	11/05/2019		2.6900	*	1.3200
Total Radium	pCi/L	MW-2S	05/19/2020		1.3600	*	1.3200
Total Radium	pCi/L	MW-2S	11/04/2020		4.4600	*	1.3200
Total Radium	pCi/L	MW-2S	05/03/2021		0.8270		1.3200
Total Radium	pCi/L	MW-2S	11/01/2021		2.2300	*	1.3200
Total Radium	pCi/L	MW-2S	05/04/2022		1.6700	*	1.3200
Total Radium	pCi/L	MW-2S	11/08/2022		3.0600	*	1.3200
Total Radium	pCi/L	MW-2S	05/23/2023		1.2800		1.3200
Total Radium	pCi/L	MW-2S	11/27/2023		2.4700	*	1.3200
Total Radium	pCi/L	MW-5S	04/06/2016		1.4400	*	1.3200
Total Radium	pCi/L	MW-5S	05/25/2016		1.0900		1.3200
Total Radium	pCi/L	MW-5S	08/09/2016		1.2700		1.3200
Total Radium	pCi/L	MW-5S	09/27/2016		2.2900	*	1.3200
Total Radium	pCi/L	MW-5S	11/29/2016		1.2900		1.3200
Total Radium	pCi/L	MW-5S	01/25/2017		1.6300	*	1.3200
Total Radium	pCi/L	MW-5S	05/23/2017		1.3500	*	1.3200
Total Radium	pCi/L	MW-5S	08/08/2017		1.0300		1.3200
Total Radium	pCi/L	MW-5S	05/30/2018		1.3700	*	1.3200
Total Radium	pCi/L	MW-5S	09/18/2018		1.6700	*	1.3200
Total Radium	pCi/L	MW-5S	05/14/2019		1.4900	*	1.3200
Total Radium	pCi/L	MW-5S	05/18/2020		0.8640		1.3200
Total Radium	pCi/L	MW-5S	11/05/2020		1.1700		1.3200
Total Radium	pCi/L	MW-5S	05/06/2021		1.1800		1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-5S	11/01/2021		1.0200		1.3200
Total Radium	pCi/L	MW-5S	05/04/2022		1.0100		1.3200
Total Radium	pCi/L	MW-5S	11/11/2022		1.3400	*	1.3200
Total Radium	pCi/L	MW-5S	05/18/2023		2.1700	*	1.3200
Total Radium	pCi/L	MW-9S	04/06/2016		0.9460		1.3200
Total Radium	pCi/L	MW-9S	05/25/2016		0.9220		1.3200
Total Radium	pCi/L	MW-9S	08/08/2016	ND	1.5300		1.3200
Total Radium	pCi/L	MW-9S	09/27/2016		1.0400		1.3200
Total Radium	pCi/L	MW-9S	11/28/2016		1.1300		1.3200
Total Radium	pCi/L	MW-9S	01/25/2017		1.2200		1.3200
Total Radium	pCi/L	MW-9S	05/23/2017		0.9700		1.3200
Total Radium	pCi/L	MW-9S	08/08/2017		1.3900	*	1.3200
Total Radium	pCi/L	MW-9S	05/30/2018	ND	2.5900		1.3200
Total Radium	pCi/L	MW-9S	09/17/2018		1.9100	*	1.3200
Total Radium	pCi/L	MW-9S	05/16/2019		1.3400	*	1.3200
Total Radium	pCi/L	MW-9S	11/09/2020	ND	1.8600		1.3200
Total Radium	pCi/L	MW-9SR	01/31/2023		1.5300	*	1.3200
Total Radium	pCi/L	MW-9SR	05/24/2023		1.0900		1.3200

* - 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

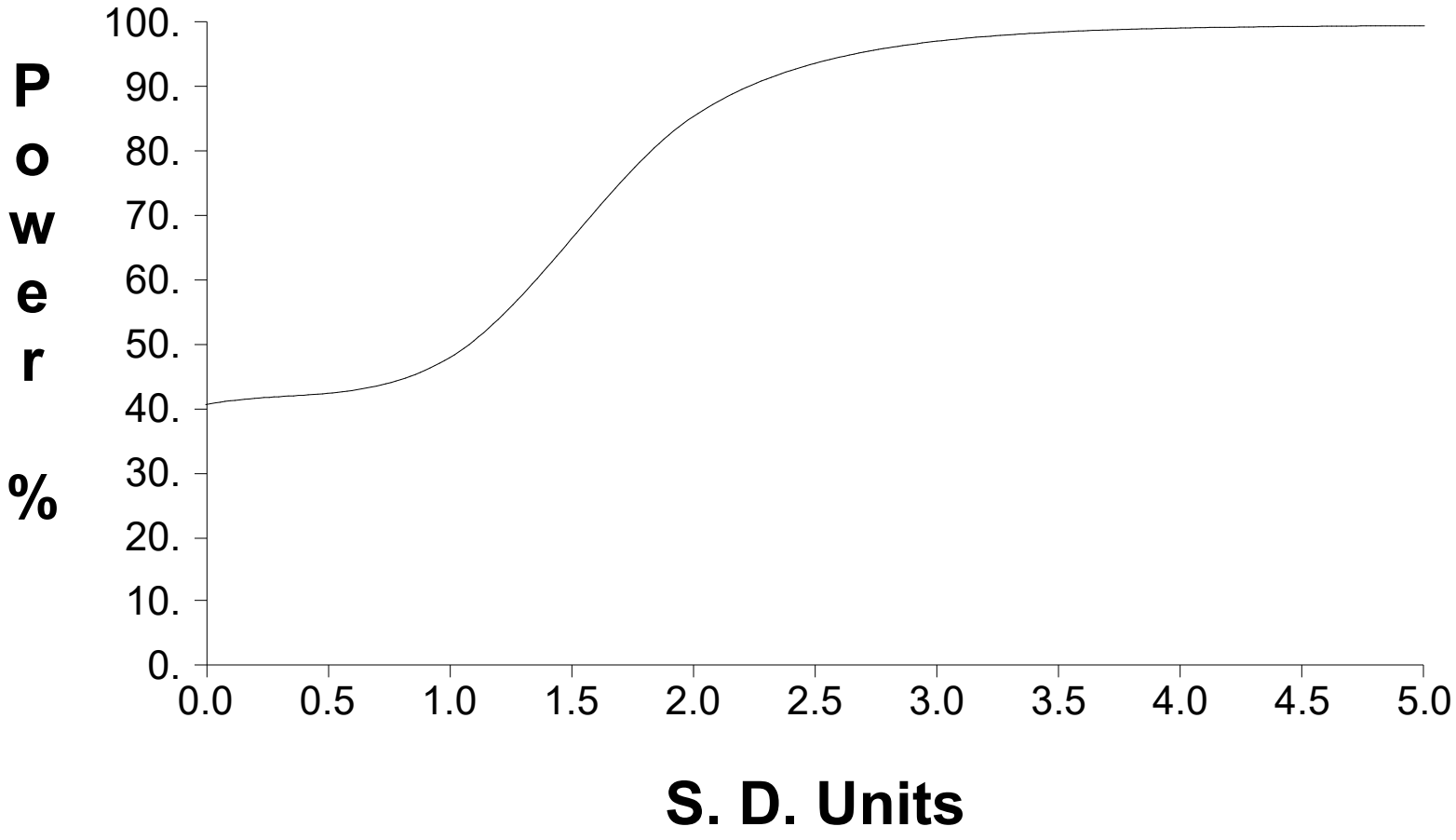


Table C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/29/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	01/29/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/03/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/03/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/03/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/29/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/29/2018	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	01/29/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/03/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/03/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/03/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/29/2023	ND	1.0000		
Barium, Total	ug/L	MW-15I	09/18/2018		62.1000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-15I	11/29/2018		66.0000		
Barium, Total	ug/L	MW-15I	02/04/2019		77.1000		
Barium, Total	ug/L	MW-15I	03/25/2019		78.8000		
Barium, Total	ug/L	MW-15I	05/14/2019		78.1000		
Barium, Total	ug/L	MW-15I	07/24/2019		66.2000		
Barium, Total	ug/L	MW-15I	11/05/2019		59.0000		
Barium, Total	ug/L	MW-15I	01/29/2020		56.6000		
Barium, Total	ug/L	MW-15I	05/27/2020		72.8000		
Barium, Total	ug/L	MW-15I	11/03/2020		61.9000		
Barium, Total	ug/L	MW-15I	05/06/2021		67.4000		
Barium, Total	ug/L	MW-15I	11/03/2021		67.9000		
Barium, Total	ug/L	MW-15I	05/05/2022		56.0000		
Barium, Total	ug/L	MW-15I	11/03/2022		85.1000		
Barium, Total	ug/L	MW-15I	05/18/2023		65.2000		
Barium, Total	ug/L	MW-15I	11/29/2023		72.4000		
Beryllium, Total	ug/L	MW-15I	09/18/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/29/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	02/04/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	03/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/14/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	07/24/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/05/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	01/29/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/27/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/03/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/06/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/05/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/29/2023	ND	0.2000		
Cadmium, Total	ug/L	MW-15I	09/18/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/29/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	02/04/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	03/25/2019	ND	2.0000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-15I	05/14/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	07/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/05/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	01/29/2020	ND	1.0000	2.0000	**
Cadmium, Total	ug/L	MW-15I	05/27/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/06/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/03/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/05/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/03/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/18/2023	ND	2.0000		
Chromium, Total	ug/L	MW-15I	09/18/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/29/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15I	02/04/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	03/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/14/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	07/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/05/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	01/29/2020	ND	20.0000	10.0000	**
Chromium, Total	ug/L	MW-15I	05/27/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/06/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/05/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/03/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/18/2023	ND	10.0000		
Cobalt, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/29/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	01/29/2020	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/03/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/03/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/03/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/29/2023	ND	1.0000		
Fluoride	mg/L	MW-15I	09/18/2018		0.1100		
Fluoride	mg/L	MW-15I	11/29/2018		0.1300		
Fluoride	mg/L	MW-15I	02/04/2019		0.1200		
Fluoride	mg/L	MW-15I	03/25/2019		0.1300		
Fluoride	mg/L	MW-15I	05/14/2019		0.1100		
Fluoride	mg/L	MW-15I	07/24/2019	ND	0.1000		
Fluoride	mg/L	MW-15I	11/05/2019	ND	0.1000		
Fluoride	mg/L	MW-15I	01/29/2020		0.1200		
Fluoride	mg/L	MW-15I	05/27/2020		0.1200		
Fluoride	mg/L	MW-15I	11/03/2020	ND	0.1000		
Fluoride	mg/L	MW-15I	05/06/2021	ND	0.1000		
Fluoride	mg/L	MW-15I	11/03/2021	ND	0.1000		
Fluoride	mg/L	MW-15I	05/05/2022		0.1200		
Fluoride	mg/L	MW-15I	11/03/2022	ND	0.1000		
Fluoride	mg/L	MW-15I	05/18/2023		0.1100		
Fluoride	mg/L	MW-15I	11/29/2023	ND	0.1000		
Lead, Total	ug/L	MW-15I	09/18/2018	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/29/2018	ND	10.0000		
Lead, Total	ug/L	MW-15I	02/04/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	03/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/14/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	07/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/05/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	01/29/2020	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/27/2020	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-15I	11/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/06/2021	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/05/2022	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/03/2022	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/18/2023	ND	10.0000		
Lithium, Total	ug/L	MW-15I	09/18/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/29/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15I	02/04/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	03/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/14/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	07/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/05/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	01/29/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/27/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/03/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/06/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/03/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/05/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/03/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/29/2023	ND	20.0000		
Mercury	ug/L	MW-15I	09/18/2018	ND	2.0000		
Mercury	ug/L	MW-15I	11/29/2018	ND	2.0000		
Mercury	ug/L	MW-15I	02/04/2019	ND	2.0000		
Mercury	ug/L	MW-15I	03/25/2019	ND	2.0000		
Mercury	ug/L	MW-15I	05/14/2019	ND	2.0000		
Mercury	ug/L	MW-15I	07/24/2019	ND	2.0000		
Mercury	ug/L	MW-15I	11/05/2019	ND	2.0000		
Mercury	ug/L	MW-15I	01/29/2020	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15I	05/27/2020	ND	2.0000		
Mercury	ug/L	MW-15I	05/06/2021	ND	2.0000		
Mercury	ug/L	MW-15I	05/05/2022	ND	0.2000	2.0000	**

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	MW-15I	05/18/2023	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-15I	09/18/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/29/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	02/04/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	03/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/14/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	07/24/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/05/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	01/29/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/27/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/03/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/06/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/03/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/05/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/03/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/29/2023	ND	10.0000		
Selenium, Total	ug/L	MW-15I	09/18/2018		1.9000		
Selenium, Total	ug/L	MW-15I	11/29/2018		1.9000		
Selenium, Total	ug/L	MW-15I	02/04/2019		2.1000		
Selenium, Total	ug/L	MW-15I	03/25/2019		1.9000		
Selenium, Total	ug/L	MW-15I	05/14/2019		1.5000		
Selenium, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15I	01/29/2020		1.7000		
Selenium, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15I	11/03/2020		2.0000		
Selenium, Total	ug/L	MW-15I	05/06/2021		1.7000		
Selenium, Total	ug/L	MW-15I	11/03/2021		1.0000		
Selenium, Total	ug/L	MW-15I	05/05/2022		1.9000		
Selenium, Total	ug/L	MW-15I	11/03/2022		1.2000		
Selenium, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-15I	11/29/2023	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15I	11/29/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	01/29/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Total Radium	pCi/L	MW-15I	09/18/2018		0.7100		
Total Radium	pCi/L	MW-15I	11/29/2018		0.7930		
Total Radium	pCi/L	MW-15I	02/04/2019		0.8490		
Total Radium	pCi/L	MW-15I	03/25/2019		1.6500		
Total Radium	pCi/L	MW-15I	05/14/2019		1.6300		
Total Radium	pCi/L	MW-15I	07/24/2019		1.6200		
Total Radium	pCi/L	MW-15I	11/05/2019	ND	1.4600		
Total Radium	pCi/L	MW-15I	01/29/2020		0.5700		
Total Radium	pCi/L	MW-15I	05/27/2020		1.0500		
Total Radium	pCi/L	MW-15I	11/03/2020		0.6830		
Total Radium	pCi/L	MW-15I	05/06/2021		0.9160		
Total Radium	pCi/L	MW-15I	11/03/2021		1.1800		
Total Radium	pCi/L	MW-15I	05/05/2022	ND	1.4100	1.4600	**
Total Radium	pCi/L	MW-15I	11/03/2022		1.1300		
Total Radium	pCi/L	MW-15I	05/18/2023		1.0500		
Total Radium	pCi/L	MW-15I	11/29/2023	ND	1.6800	1.4600	**

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10D	11/08/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-10S	11/08/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-11D	11/08/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-12D	11/07/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-13D	11/09/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1D	11/22/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-7D	11/09/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9I	11/03/2023	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-10D	11/08/2023		89.1000	***	1.0000
Arsenic, Total	ug/L	MW-10S	11/08/2023		320.0000	***	1.0000
Arsenic, Total	ug/L	MW-11D	11/08/2023		15.0000	***	1.0000
Arsenic, Total	ug/L	MW-12D	11/07/2023		288.0000	***	1.0000
Arsenic, Total	ug/L	MW-13D	11/09/2023		228.0000	***	1.0000
Arsenic, Total	ug/L	MW-1D	11/22/2023		4.4000	***	1.0000
Arsenic, Total	ug/L	MW-7D	11/09/2023		438.0000	***	1.0000
Arsenic, Total	ug/L	MW-9I	11/03/2023		52.7000	***	1.0000
Barium, Total	ug/L	MW-10D	11/08/2023		30.7000		91.0039
Barium, Total	ug/L	MW-10S	11/08/2023		53.7000		91.0039
Barium, Total	ug/L	MW-11D	11/08/2023		23.8000		91.0039
Barium, Total	ug/L	MW-12D	11/07/2023		35.5000		91.0039
Barium, Total	ug/L	MW-13D	11/09/2023		28.7000		91.0039
Barium, Total	ug/L	MW-1D	11/22/2023		76.1000	**	91.0039
Barium, Total	ug/L	MW-7D	11/09/2023		39.5000		91.0039
Barium, Total	ug/L	MW-9I	11/03/2023		81.5000		91.0039
Beryllium, Total	ug/L	MW-10D	11/08/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-10S	11/08/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11D	11/08/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12D	11/07/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-13D	11/09/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1D	11/22/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-7D	11/09/2023	ND	0.2000		0.2000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Beryllium, Total	ug/L	MW-9I	11/03/2023	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-10D	05/25/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-10S	05/25/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-11D	05/24/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12D	05/25/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-13D	05/26/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1D	05/23/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-7D	05/26/2023	ND	4.0000		2.0000
Cadmium, Total	ug/L	MW-9I	05/24/2023	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10D	05/25/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-10S	05/25/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11D	05/24/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12D	05/25/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-13D	05/26/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1D	05/23/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-7D	05/26/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9I	05/24/2023	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10D	11/08/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-10S	11/08/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-11D	11/08/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-12D	11/07/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-13D	11/09/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-1D	11/22/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-7D	11/09/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9I	11/03/2023	ND	1.0000		1.0000
Fluoride	mg/L	MW-10D	11/08/2023		1.9000	***	0.1300
Fluoride	mg/L	MW-10S	11/08/2023		3.1000	***	0.1300
Fluoride	mg/L	MW-11D	11/08/2023		0.3400	***	0.1300
Fluoride	mg/L	MW-12D	11/07/2023		1.5000	***	0.1300
Fluoride	mg/L	MW-13D	11/09/2023		0.6100	***	0.1300
Fluoride	mg/L	MW-1D	11/22/2023		0.4200	***	0.1300

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-7D	11/09/2023		0.4800	***	0.1300
Fluoride	mg/L	MW-9I	11/03/2023		0.6100	***	0.1300
Lead, Total	ug/L	MW-10D	05/25/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-10S	05/25/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11D	05/24/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12D	05/25/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-13D	05/26/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1D	05/23/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-7D	05/26/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9I	05/24/2023	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10D	11/08/2023		49.7000	***	20.0000
Lithium, Total	ug/L	MW-10S	11/08/2023		33.4000	***	20.0000
Lithium, Total	ug/L	MW-11D	11/08/2023		137.0000	***	20.0000
Lithium, Total	ug/L	MW-12D	11/07/2023		50.0000	***	20.0000
Lithium, Total	ug/L	MW-13D	11/09/2023		66.8000	***	20.0000
Lithium, Total	ug/L	MW-1D	11/22/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-7D	11/09/2023		80.8000	***	20.0000
Lithium, Total	ug/L	MW-9I	11/03/2023		25.3000	*	20.0000
Mercury	ug/L	MW-10D	05/25/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-10S	05/25/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-11D	05/24/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-12D	05/25/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-13D	05/26/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-1D	05/23/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-7D	05/26/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-9I	05/24/2023	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10D	11/08/2023		68.8000	***	10.0000
Molybdenum, Total	ug/L	MW-10S	11/08/2023		162.0000	***	10.0000
Molybdenum, Total	ug/L	MW-11D	11/08/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-12D	11/07/2023		113.0000	***	10.0000
Molybdenum, Total	ug/L	MW-13D	11/09/2023		338.0000	***	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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-1D	11/22/2023		18.7000	***	10.0000
Molybdenum, Total	ug/L	MW-7D	11/09/2023		469.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9I	11/03/2023		89.6000	***	10.0000
Selenium, Total	ug/L	MW-10D	11/08/2023	ND	1.0000		2.1000
Selenium, Total	ug/L	MW-10S	11/08/2023	ND	1.0000		2.1000
Selenium, Total	ug/L	MW-11D	11/08/2023	ND	1.0000		2.1000
Selenium, Total	ug/L	MW-12D	11/07/2023	ND	1.0000		2.1000
Selenium, Total	ug/L	MW-13D	11/09/2023	ND	1.0000		2.1000
Selenium, Total	ug/L	MW-1D	11/22/2023	ND	1.0000		2.1000
Selenium, Total	ug/L	MW-7D	11/09/2023	ND	1.0000		2.1000
Selenium, Total	ug/L	MW-9I	11/03/2023	ND	1.0000		2.1000
Thallium, Total	ug/L	MW-10D	05/25/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-10S	05/25/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11D	05/24/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12D	05/25/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-13D	05/26/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1D	05/23/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-7D	05/26/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9I	05/24/2023	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10D	11/08/2023		1.5700		2.3214
Total Radium	pCi/L	MW-10S	11/08/2023		1.1100		2.3214
Total Radium	pCi/L	MW-11D	11/08/2023		1.1300		2.3214
Total Radium	pCi/L	MW-12D	11/07/2023		0.8680		2.3214
Total Radium	pCi/L	MW-13D	11/09/2023		1.7100		2.3214
Total Radium	pCi/L	MW-1D	11/22/2023		1.4600		2.3214
Total Radium	pCi/L	MW-7D	11/09/2023		1.7300		2.3214
Total Radium	pCi/L	MW-9I	11/03/2023		1.1400		2.3214

* - 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 C-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	160	0.006
Arsenic, Total	0	16	0.000	144	160	0.900
Barium, Total	16	16	1.000	160	160	1.000
Beryllium, Total	0	14	0.000	0	136	0.000
Cadmium, Total	0	14	0.000	8	136	0.059
Chromium, Total	0	15	0.000	4	152	0.026
Cobalt, Total	0	16	0.000	3	152	0.020
Fluoride	9	16	0.563	168	168	1.000
Lead, Total	0	15	0.000	0	144	0.000
Lithium, Total	0	16	0.000	154	160	0.963
Mercury	0	12	0.000	1	120	0.008
Molybdenum, Total	0	16	0.000	140	160	0.875
Selenium, Total	11	16	0.688	0	160	0.000
Thallium, Total	0	12	0.000	0	120	0.000
Total Radium	13	16	0.813	138	160	0.863

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table C-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	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Barium, Total	16	16	1.000	0.411	0.744					2.326	normal	normal
Beryllium, Total	0	14	0.000	4.155	4.155					2.326	non-norm	nonpar
Cadmium, Total	0	14	0.000	4.155	4.155					2.326	non-norm	nonpar
Chromium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Cobalt, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Fluoride	9	16	0.563	2.624	2.631					2.326	non-norm	nonpar
Lead, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Lithium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Mercury	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Molybdenum, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Selenium, Total	11	16	0.688	2.729	2.977					2.326	non-norm	nonpar
Thallium, Total	0	12	0.000	3.731	3.731					2.326	non-norm	nonpar
Total Radium	13	16	0.813	0.887	0.718					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 C-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	0	16					1.0000	nonpar	***	0.95
Barium, Total	ug/L	16	16	68.2875	8.4750	0.0100	2.6804	91.0039	normal		
Beryllium, Total	ug/L	0	14					0.2000	nonpar	***	0.94
Cadmium, Total	ug/L	0	14					2.0000	nonpar	***	0.94
Chromium, Total	ug/L	0	15					10.0000	nonpar	***	0.95
Cobalt, Total	ug/L	0	16					1.0000	nonpar	***	0.95
Fluoride	mg/L	9	16					0.1300	nonpar		0.95
Lead, Total	ug/L	0	15					10.0000	nonpar	***	0.95
Lithium, Total	ug/L	0	16					20.0000	nonpar	***	0.95
Mercury	ug/L	0	12					2.0000	nonpar	***	0.92
Molybdenum, Total	ug/L	0	16					10.0000	nonpar	***	0.95
Selenium, Total	ug/L	11	16					2.1000	nonpar		0.95
Thallium, Total	ug/L	0	12					1.0000	nonpar	***	0.92
Total Radium	pCi/L	13	16	0.8644	0.5436	0.0100	2.6804	2.3214	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 C-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 C-7

Historical Downgradient 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-10D	04/06/2016		412.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/25/2016		440.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	08/09/2016		464.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	09/27/2016		488.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/29/2016		406.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	01/25/2017		433.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/23/2017		399.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	08/08/2017		447.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/30/2018		396.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	09/18/2018		323.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/16/2019		313.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/05/2019		275.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/19/2020		268.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/05/2020		265.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/06/2021		250.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/02/2021		173.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/02/2022		140.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/03/2022		161.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/25/2023		116.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/08/2023		89.1000	*	1.0000
Arsenic, Total	ug/L	MW-10S	04/06/2016		455.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/25/2016		440.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	08/09/2016		484.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	09/27/2016		492.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/29/2016		545.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	01/25/2017		507.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/23/2017		440.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	08/08/2017		494.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/30/2018		444.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	09/18/2018		343.0000	*	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 C-7

Historical Downgradient 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-10S	05/16/2019		349.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/05/2019		385.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/19/2020		358.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/05/2020		349.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/06/2021		413.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/02/2021		429.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/02/2022		448.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/03/2022		368.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/25/2023		401.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/08/2023		320.0000	*	1.0000
Arsenic, Total	ug/L	MW-11D	04/07/2016		10.6000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/26/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-11D	08/10/2016		14.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	09/28/2016		14.8000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/30/2016		12.0000	*	1.0000
Arsenic, Total	ug/L	MW-11D	01/26/2017		10.7000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/24/2017		14.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	08/09/2017		14.5000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/29/2018		18.2000	*	1.0000
Arsenic, Total	ug/L	MW-11D	09/14/2018		14.6000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/14/2019		14.3000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/07/2019		15.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/27/2020		15.7000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/05/2020		14.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/05/2021		15.4500	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/01/2021		14.8000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/10/2022		16.1000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/07/2022		17.5000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/24/2023		15.0000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/08/2023		15.0000	*	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 C-7

Historical Downgradient 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-12D	04/06/2016		241.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/25/2016		252.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	08/09/2016		243.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	09/27/2016		257.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/29/2016		280.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	01/25/2017		275.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/23/2017		268.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	08/08/2017		204.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/30/2018		223.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	09/17/2018		214.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/16/2019		210.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/06/2019		232.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/18/2020		287.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/05/2020		513.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/03/2021		463.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/01/2021		428.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/06/2022		387.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/02/2022		360.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/25/2023		338.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/07/2023		288.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	04/06/2016		214.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/25/2016		215.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	08/09/2016		245.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	09/27/2016		282.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/29/2016		291.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	01/25/2017		315.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/23/2017		306.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	08/08/2017		277.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/30/2018		253.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	09/18/2018		214.0000	*	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 C-7

Historical Downgradient 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-13D	05/16/2019		225.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/06/2019		219.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/19/2020		241.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/05/2020		224.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/06/2021		242.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/01/2021		231.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/04/2022		245.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/01/2022		231.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/26/2023		234.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/09/2023		228.0000	*	1.0000
Arsenic, Total	ug/L	MW-1D	04/07/2016		10.3000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/26/2016		12.0000	*	1.0000
Arsenic, Total	ug/L	MW-1D	08/09/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	09/27/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	11/29/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	01/26/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	05/23/2017		11.7000	*	1.0000
Arsenic, Total	ug/L	MW-1D	08/09/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	05/29/2018	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	09/17/2018		4.2000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/15/2019		4.7000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/07/2019		5.2000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/26/2020		7.4000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/06/2020		50.6000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/05/2021		5.9000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/03/2021		3.4000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/09/2022		4.5000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/09/2022		4.2000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/23/2023		3.3000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/22/2023		4.4000	*	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 C-7

Historical Downgradient 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-7D	04/06/2016		428.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/25/2016		435.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	08/09/2016		412.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	09/27/2016		408.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/29/2016		417.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	01/25/2017		468.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/23/2017		509.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	08/08/2017		504.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/30/2018		491.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	09/18/2018		433.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/15/2019		471.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/06/2019		432.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/27/2020		467.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/17/2020		402.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/06/2021		476.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/02/2021		457.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/04/2022		484.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/02/2022		438.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/26/2023		462.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/09/2023		438.0000	*	1.0000
Arsenic, Total	ug/L	MW-9I	04/06/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	05/25/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	08/08/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	09/27/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	11/28/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	01/25/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	05/23/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	08/08/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	05/30/2018	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	09/17/2018		5.0000	*	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 C-7

Historical Downgradient 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-9I	05/16/2019		3.8000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/06/2019		4.0000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/19/2020		4.2000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/04/2020		4.6000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/03/2021		4.8000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/04/2021		5.2000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/06/2022		11.3000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/02/2022		16.6000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/24/2023		30.6000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/03/2023		52.7000	*	1.0000
Barium, Total	ug/L	MW-1D	04/07/2016		47.2000		91.0039
Barium, Total	ug/L	MW-1D	05/26/2016		49.6000		91.0039
Barium, Total	ug/L	MW-1D	08/09/2016		51.6000		91.0039
Barium, Total	ug/L	MW-1D	09/27/2016		49.8000		91.0039
Barium, Total	ug/L	MW-1D	11/29/2016		39.3000		91.0039
Barium, Total	ug/L	MW-1D	01/26/2017		44.2000		91.0039
Barium, Total	ug/L	MW-1D	05/23/2017		48.4000		91.0039
Barium, Total	ug/L	MW-1D	08/09/2017		51.3000		91.0039
Barium, Total	ug/L	MW-1D	05/29/2018		49.8000		91.0039
Barium, Total	ug/L	MW-1D	09/17/2018		51.7000		91.0039
Barium, Total	ug/L	MW-1D	05/15/2019		61.8000		91.0039
Barium, Total	ug/L	MW-1D	11/07/2019		55.5000		91.0039
Barium, Total	ug/L	MW-1D	05/26/2020		71.0000		91.0039
Barium, Total	ug/L	MW-1D	11/06/2020		113.0000	*	91.0039
Barium, Total	ug/L	MW-1D	05/05/2021		77.5000		91.0039
Barium, Total	ug/L	MW-1D	11/03/2021		72.0000		91.0039
Barium, Total	ug/L	MW-1D	05/09/2022		78.0000		91.0039
Barium, Total	ug/L	MW-1D	11/09/2022		87.6000		91.0039
Barium, Total	ug/L	MW-1D	05/23/2023		95.4000	*	91.0039
Barium, Total	ug/L	MW-1D	11/22/2023		76.1000		91.0039

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-10D	04/06/2016		1.7000	*	0.1300
Fluoride	mg/L	MW-10D	05/25/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	08/09/2016		2.1000	*	0.1300
Fluoride	mg/L	MW-10D	09/27/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	11/29/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	01/25/2017		2.3000	*	0.1300
Fluoride	mg/L	MW-10D	05/23/2017		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	08/08/2017		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	09/20/2017		2.1000	*	0.1300
Fluoride	mg/L	MW-10D	05/30/2018		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	09/18/2018		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	05/16/2019		2.4000	*	0.1300
Fluoride	mg/L	MW-10D	11/05/2019		2.3000	*	0.1300
Fluoride	mg/L	MW-10D	05/19/2020		2.5000	*	0.1300
Fluoride	mg/L	MW-10D	11/05/2020		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	05/06/2021		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	11/02/2021		2.0000	*	0.1300
Fluoride	mg/L	MW-10D	05/02/2022		1.9000	*	0.1300
Fluoride	mg/L	MW-10D	11/03/2022		2.5000	*	0.1300
Fluoride	mg/L	MW-10D	05/25/2023		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	11/08/2023		1.9000	*	0.1300
Fluoride	mg/L	MW-10S	04/06/2016		3.5000	*	0.1300
Fluoride	mg/L	MW-10S	05/25/2016		3.0000	*	0.1300
Fluoride	mg/L	MW-10S	08/09/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10S	09/27/2016		2.6000	*	0.1300
Fluoride	mg/L	MW-10S	11/29/2016		3.1000	*	0.1300
Fluoride	mg/L	MW-10S	01/25/2017		2.7000	*	0.1300
Fluoride	mg/L	MW-10S	05/23/2017		2.4000	*	0.1300
Fluoride	mg/L	MW-10S	08/08/2017		2.1000	*	0.1300
Fluoride	mg/L	MW-10S	09/20/2017		1.8000	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/30/2018		2.2000	*	0.1300
Fluoride	mg/L	MW-10S	09/18/2018		2.7000	*	0.1300
Fluoride	mg/L	MW-10S	05/16/2019		2.5000	*	0.1300
Fluoride	mg/L	MW-10S	11/05/2019		2.1000	*	0.1300
Fluoride	mg/L	MW-10S	05/19/2020		2.0000	*	0.1300
Fluoride	mg/L	MW-10S	11/05/2020		2.4000	*	0.1300
Fluoride	mg/L	MW-10S	05/06/2021		2.5000	*	0.1300
Fluoride	mg/L	MW-10S	11/02/2021		2.5000	*	0.1300
Fluoride	mg/L	MW-10S	05/02/2022		2.6000	*	0.1300
Fluoride	mg/L	MW-10S	11/03/2022		3.0000	*	0.1300
Fluoride	mg/L	MW-10S	05/25/2023		2.7000	*	0.1300
Fluoride	mg/L	MW-10S	11/08/2023		3.1000	*	0.1300
Fluoride	mg/L	MW-11D	04/07/2016		0.3800	*	0.1300
Fluoride	mg/L	MW-11D	05/26/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-11D	08/10/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	09/28/2016		0.3000	*	0.1300
Fluoride	mg/L	MW-11D	11/30/2016		0.2900	*	0.1300
Fluoride	mg/L	MW-11D	01/26/2017		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	05/24/2017		0.4300	*	0.1300
Fluoride	mg/L	MW-11D	08/09/2017		0.4500	*	0.1300
Fluoride	mg/L	MW-11D	09/20/2017		0.4800	*	0.1300
Fluoride	mg/L	MW-11D	05/29/2018		0.4500	*	0.1300
Fluoride	mg/L	MW-11D	09/14/2018		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	05/14/2019		0.4700	*	0.1300
Fluoride	mg/L	MW-11D	11/07/2019		0.4100	*	0.1300
Fluoride	mg/L	MW-11D	05/27/2020		0.3700	*	0.1300
Fluoride	mg/L	MW-11D	11/05/2020		0.4300	*	0.1300
Fluoride	mg/L	MW-11D	05/05/2021		0.2500	*	0.1300
Fluoride	mg/L	MW-11D	11/01/2021		0.3600	*	0.1300
Fluoride	mg/L	MW-11D	05/10/2022		0.3000	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	11/07/2022		0.4000	*	0.1300
Fluoride	mg/L	MW-11D	05/24/2023		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	11/08/2023		0.3400	*	0.1300
Fluoride	mg/L	MW-12D	04/06/2016		0.2200	*	0.1300
Fluoride	mg/L	MW-12D	05/25/2016		0.2700	*	0.1300
Fluoride	mg/L	MW-12D	08/09/2016		0.2800	*	0.1300
Fluoride	mg/L	MW-12D	09/27/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-12D	11/29/2016		0.3800	*	0.1300
Fluoride	mg/L	MW-12D	01/25/2017		0.4900	*	0.1300
Fluoride	mg/L	MW-12D	05/23/2017		0.5000	*	0.1300
Fluoride	mg/L	MW-12D	08/08/2017		0.5300	*	0.1300
Fluoride	mg/L	MW-12D	09/20/2017		0.4400	*	0.1300
Fluoride	mg/L	MW-12D	05/30/2018		1.1000	*	0.1300
Fluoride	mg/L	MW-12D	09/17/2018		0.9500	*	0.1300
Fluoride	mg/L	MW-12D	05/16/2019		1.3000	*	0.1300
Fluoride	mg/L	MW-12D	11/06/2019		1.2000	*	0.1300
Fluoride	mg/L	MW-12D	05/18/2020		1.1000	*	0.1300
Fluoride	mg/L	MW-12D	11/05/2020		0.9700	*	0.1300
Fluoride	mg/L	MW-12D	05/03/2021		1.3000	*	0.1300
Fluoride	mg/L	MW-12D	11/01/2021		1.3000	*	0.1300
Fluoride	mg/L	MW-12D	05/06/2022		1.9000	*	0.1300
Fluoride	mg/L	MW-12D	11/02/2022		1.5000	*	0.1300
Fluoride	mg/L	MW-12D	05/25/2023		1.4000	*	0.1300
Fluoride	mg/L	MW-12D	11/07/2023		1.5000	*	0.1300
Fluoride	mg/L	MW-13D	04/06/2016		0.3900	*	0.1300
Fluoride	mg/L	MW-13D	05/25/2016		0.4000	*	0.1300
Fluoride	mg/L	MW-13D	08/09/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-13D	09/27/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-13D	11/29/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-13D	01/25/2017		0.3700	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-13D	05/23/2017		0.3600	*	0.1300
Fluoride	mg/L	MW-13D	08/08/2017		0.4300	*	0.1300
Fluoride	mg/L	MW-13D	09/20/2017		0.4100	*	0.1300
Fluoride	mg/L	MW-13D	05/30/2018		0.4500	*	0.1300
Fluoride	mg/L	MW-13D	09/18/2018		0.4700	*	0.1300
Fluoride	mg/L	MW-13D	05/16/2019		0.4900	*	0.1300
Fluoride	mg/L	MW-13D	11/06/2019		0.4900	*	0.1300
Fluoride	mg/L	MW-13D	05/19/2020		0.5900	*	0.1300
Fluoride	mg/L	MW-13D	11/05/2020		0.6200	*	0.1300
Fluoride	mg/L	MW-13D	05/06/2021		0.6000	*	0.1300
Fluoride	mg/L	MW-13D	11/01/2021		0.5500	*	0.1300
Fluoride	mg/L	MW-13D	05/04/2022		0.7600	*	0.1300
Fluoride	mg/L	MW-13D	11/01/2022		0.6000	*	0.1300
Fluoride	mg/L	MW-13D	05/26/2023		0.6100	*	0.1300
Fluoride	mg/L	MW-13D	11/09/2023		0.6100	*	0.1300
Fluoride	mg/L	MW-1D	04/07/2016		0.4300	*	0.1300
Fluoride	mg/L	MW-1D	05/26/2016		0.4700	*	0.1300
Fluoride	mg/L	MW-1D	08/09/2016		0.3800	*	0.1300
Fluoride	mg/L	MW-1D	09/27/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-1D	11/29/2016		0.3900	*	0.1300
Fluoride	mg/L	MW-1D	01/26/2017		0.4100	*	0.1300
Fluoride	mg/L	MW-1D	05/23/2017		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	08/09/2017		0.4100	*	0.1300
Fluoride	mg/L	MW-1D	09/20/2017		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	05/29/2018		0.3700	*	0.1300
Fluoride	mg/L	MW-1D	09/17/2018		0.3700	*	0.1300
Fluoride	mg/L	MW-1D	05/15/2019		0.3400	*	0.1300
Fluoride	mg/L	MW-1D	11/07/2019		0.3100	*	0.1300
Fluoride	mg/L	MW-1D	05/26/2020		0.2600	*	0.1300
Fluoride	mg/L	MW-1D	11/06/2020		0.3300	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/05/2021		0.2300	*	0.1300
Fluoride	mg/L	MW-1D	11/03/2021		0.3100	*	0.1300
Fluoride	mg/L	MW-1D	05/09/2022		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	11/09/2022		0.4400	*	0.1300
Fluoride	mg/L	MW-1D	05/23/2023		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	11/22/2023		0.4200	*	0.1300
Fluoride	mg/L	MW-7D	04/06/2016		0.2800	*	0.1300
Fluoride	mg/L	MW-7D	05/25/2016		0.3300	*	0.1300
Fluoride	mg/L	MW-7D	08/09/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-7D	09/27/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-7D	11/29/2016		0.3000	*	0.1300
Fluoride	mg/L	MW-7D	01/25/2017		0.2600	*	0.1300
Fluoride	mg/L	MW-7D	05/23/2017		0.2500	*	0.1300
Fluoride	mg/L	MW-7D	08/08/2017		0.2800	*	0.1300
Fluoride	mg/L	MW-7D	09/20/2017		0.2600	*	0.1300
Fluoride	mg/L	MW-7D	05/30/2018		0.2900	*	0.1300
Fluoride	mg/L	MW-7D	09/18/2018		0.3000	*	0.1300
Fluoride	mg/L	MW-7D	05/15/2019		0.3200	*	0.1300
Fluoride	mg/L	MW-7D	11/06/2019		0.3500	*	0.1300
Fluoride	mg/L	MW-7D	05/27/2020		0.3900	*	0.1300
Fluoride	mg/L	MW-7D	11/17/2020		0.4200	*	0.1300
Fluoride	mg/L	MW-7D	05/06/2021		0.3600	*	0.1300
Fluoride	mg/L	MW-7D	11/02/2021		0.3800	*	0.1300
Fluoride	mg/L	MW-7D	05/04/2022		0.5100	*	0.1300
Fluoride	mg/L	MW-7D	11/02/2022		0.4600	*	0.1300
Fluoride	mg/L	MW-7D	05/26/2023		0.4800	*	0.1300
Fluoride	mg/L	MW-7D	11/09/2023		0.4800	*	0.1300
Fluoride	mg/L	MW-9I	04/06/2016		0.4400	*	0.1300
Fluoride	mg/L	MW-9I	05/25/2016		0.5300	*	0.1300
Fluoride	mg/L	MW-9I	08/08/2016		0.5500	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	09/27/2016		0.5800	*	0.1300
Fluoride	mg/L	MW-9I	11/28/2016		0.6100	*	0.1300
Fluoride	mg/L	MW-9I	01/25/2017		0.5300	*	0.1300
Fluoride	mg/L	MW-9I	05/23/2017		0.5700	*	0.1300
Fluoride	mg/L	MW-9I	08/08/2017		0.5800	*	0.1300
Fluoride	mg/L	MW-9I	09/20/2017		0.5900	*	0.1300
Fluoride	mg/L	MW-9I	05/30/2018		0.5300	*	0.1300
Fluoride	mg/L	MW-9I	09/17/2018		0.5800	*	0.1300
Fluoride	mg/L	MW-9I	05/16/2019		0.6800	*	0.1300
Fluoride	mg/L	MW-9I	11/06/2019		0.6900	*	0.1300
Fluoride	mg/L	MW-9I	05/19/2020		0.7300	*	0.1300
Fluoride	mg/L	MW-9I	11/04/2020		0.7800	*	0.1300
Fluoride	mg/L	MW-9I	05/03/2021		0.9700	*	0.1300
Fluoride	mg/L	MW-9I	11/04/2021		0.9800	*	0.1300
Fluoride	mg/L	MW-9I	05/06/2022		1.2000	*	0.1300
Fluoride	mg/L	MW-9I	11/02/2022		0.9700	*	0.1300
Fluoride	mg/L	MW-9I	05/24/2023		0.7800	*	0.1300
Fluoride	mg/L	MW-9I	11/03/2023		0.6100	*	0.1300
Lithium, Total	ug/L	MW-10D	04/06/2016		123.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/25/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	08/09/2016		96.3000	*	20.0000
Lithium, Total	ug/L	MW-10D	09/27/2016		82.9000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/29/2016		92.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	01/25/2017		92.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/23/2017		85.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	08/08/2017		86.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/30/2018		63.3000	*	20.0000
Lithium, Total	ug/L	MW-10D	09/18/2018		61.6000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/16/2019		69.4000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/05/2019		61.6000	*	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 C-7

Historical Downgradient 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-10D	05/19/2020		62.5000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/05/2020		52.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/06/2021		49.8000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/02/2021		67.4000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/02/2022		65.6000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/03/2022		45.3000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/25/2023		41.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/08/2023		49.7000	*	20.0000
Lithium, Total	ug/L	MW-10S	04/06/2016		106.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2016		94.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/09/2016		98.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/27/2016		79.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/29/2016		96.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	01/25/2017		95.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/23/2017		72.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/08/2017		93.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/30/2018		57.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/18/2018		59.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/16/2019		69.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/05/2019		60.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/19/2020		75.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/05/2020		49.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/06/2021		45.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/02/2021		53.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/02/2022		40.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/03/2022		33.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2023		33.7000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/08/2023		33.4000	*	20.0000
Lithium, Total	ug/L	MW-11D	04/07/2016		127.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/26/2016		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 C-7

Historical Downgradient 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	08/10/2016		132.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/28/2016		128.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/30/2016		137.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	01/26/2017		133.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/24/2017		109.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	08/09/2017		124.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/29/2018		122.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/14/2018		126.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/14/2019		128.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/07/2019		128.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/27/2020		142.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/05/2020		134.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/05/2021		141.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/01/2021		150.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/10/2022		147.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/07/2022		139.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/24/2023		130.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/08/2023		137.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	04/06/2016		141.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/25/2016		152.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	08/09/2016		140.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	09/27/2016		147.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/29/2016		140.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	01/25/2017		166.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/23/2017		129.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	08/08/2017		151.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/30/2018		118.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	09/17/2018		122.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/16/2019		104.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/06/2019		104.0000	*	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 C-7

Historical Downgradient 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-12D	05/18/2020		113.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/05/2020		108.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/03/2021		69.6000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/01/2021		95.5000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/06/2022		74.8000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/02/2022		77.2000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/25/2023		60.9000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/07/2023		50.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	04/06/2016		87.6000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/25/2016		99.8000	*	20.0000
Lithium, Total	ug/L	MW-13D	08/09/2016		112.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	09/27/2016		133.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/29/2016		176.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	01/25/2017		190.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/23/2017		154.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	08/08/2017		128.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/30/2018		112.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	09/18/2018		101.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/16/2019		105.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/06/2019		85.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/19/2020		96.8000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/05/2020		79.6000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/06/2021		72.7000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/01/2021		84.7000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/04/2022		76.3000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/01/2022		76.5000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/26/2023		70.1000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/09/2023		66.8000	*	20.0000
Lithium, Total	ug/L	MW-7D	04/06/2016		150.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/25/2016		132.0000	*	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 C-7

Historical Downgradient 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-7D	08/09/2016		120.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	09/27/2016		107.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/29/2016		127.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	01/25/2017		150.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/23/2017		136.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	08/08/2017		152.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/30/2018		120.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	09/18/2018		110.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/15/2019		125.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/06/2019		95.5000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/27/2020		104.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/17/2020		91.7000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/06/2021		96.9000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/02/2021		103.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/04/2022		100.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/02/2022		93.7000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/26/2023		94.9000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/09/2023		80.8000	*	20.0000
Lithium, Total	ug/L	MW-9I	04/06/2016		104.0000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/25/2016		79.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	08/08/2016		68.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	09/27/2016		58.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/28/2016		62.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	01/25/2017		59.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/23/2017		51.5000	*	20.0000
Lithium, Total	ug/L	MW-9I	08/08/2017		56.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/30/2018		35.4000	*	20.0000
Lithium, Total	ug/L	MW-9I	09/17/2018		37.0000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/16/2019		38.4000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/06/2019		30.2000	*	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 C-7

Historical Downgradient 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	05/19/2020		30.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/04/2020		23.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/03/2021		30.5000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/04/2021		28.5000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/06/2022		25.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/02/2022		22.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/24/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	11/03/2023		25.3000	*	20.0000
Molybdenum, Total	ug/L	MW-10D	04/06/2016		264.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/25/2016		288.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	08/09/2016		290.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	09/27/2016		259.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/29/2016		274.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	01/25/2017		251.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/23/2017		235.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	08/08/2017		220.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/30/2018		168.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	09/18/2018		141.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/16/2019		99.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/05/2019		76.5000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/19/2020		72.8000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/05/2020		88.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/06/2021		97.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/02/2021		84.1000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/02/2022		82.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/03/2022		100.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/25/2023		74.9000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/08/2023		68.8000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	04/06/2016		324.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2016		299.0000	*	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 C-7

Historical Downgradient 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	08/09/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/27/2016		247.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/29/2016		241.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	01/25/2017		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/23/2017		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/08/2017		166.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/30/2018		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/18/2018		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/16/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/19/2020		82.7000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2020		77.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/06/2021		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/02/2021		71.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/02/2022		65.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/03/2022		69.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2023		60.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/08/2023		162.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	04/06/2016		286.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/25/2016		257.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	08/09/2016		270.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	09/27/2016		274.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/29/2016		249.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	01/25/2017		254.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/23/2017		214.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	08/08/2017		232.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/30/2018		232.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	09/17/2018		239.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/16/2019		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/06/2019		218.0000	*	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 C-7

Historical Downgradient 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-12D	05/18/2020		227.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/05/2020		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/03/2021		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/01/2021		176.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/06/2022		154.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/02/2022		166.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/25/2023		146.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/07/2023		113.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	04/06/2016		646.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/25/2016		575.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	08/09/2016		671.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	09/27/2016		647.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/29/2016		695.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	01/25/2017		704.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/23/2017		667.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	08/08/2017		651.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/30/2018		922.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	09/18/2018		857.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/16/2019		1090.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/06/2019		880.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/19/2020		881.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/05/2020		859.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/06/2021		762.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/01/2021		599.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/04/2022		565.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/01/2022		503.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/26/2023		414.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/09/2023		338.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/07/2016		234.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/26/2016		205.0000	*	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 C-7

Historical Downgradient 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	08/09/2016		159.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/27/2016		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/29/2016		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	01/26/2017		121.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/23/2017		97.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	08/09/2017		76.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/29/2018		63.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/17/2018		51.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/15/2019		54.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/07/2019		47.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/26/2020		44.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/06/2020		34.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/05/2021		39.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/03/2021		33.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/09/2022		37.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/09/2022		27.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/23/2023		28.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/22/2023		18.7000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	04/06/2016		423.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/25/2016		445.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	08/09/2016		460.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	09/27/2016		448.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/29/2016		488.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	01/25/2017		461.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/23/2017		441.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	08/08/2017		455.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/30/2018		544.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	09/18/2018		574.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/15/2019		616.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/06/2019		617.0000	*	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 C-7

Historical Downgradient 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-7D	05/27/2020		736.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/17/2020		697.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/06/2021		704.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/02/2021		688.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/04/2022		592.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/02/2022		632.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/26/2023		548.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/09/2023		469.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	04/06/2016		214.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/25/2016		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	08/08/2016		201.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	09/27/2016		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/28/2016		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	01/25/2017		157.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/23/2017		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	08/08/2017		115.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/30/2018		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	09/17/2018		110.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/16/2019		96.8000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/06/2019		91.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/19/2020		95.9000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/04/2020		89.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/03/2021		134.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/04/2021		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/06/2022		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/02/2022		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/24/2023		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/03/2023		89.6000	*	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

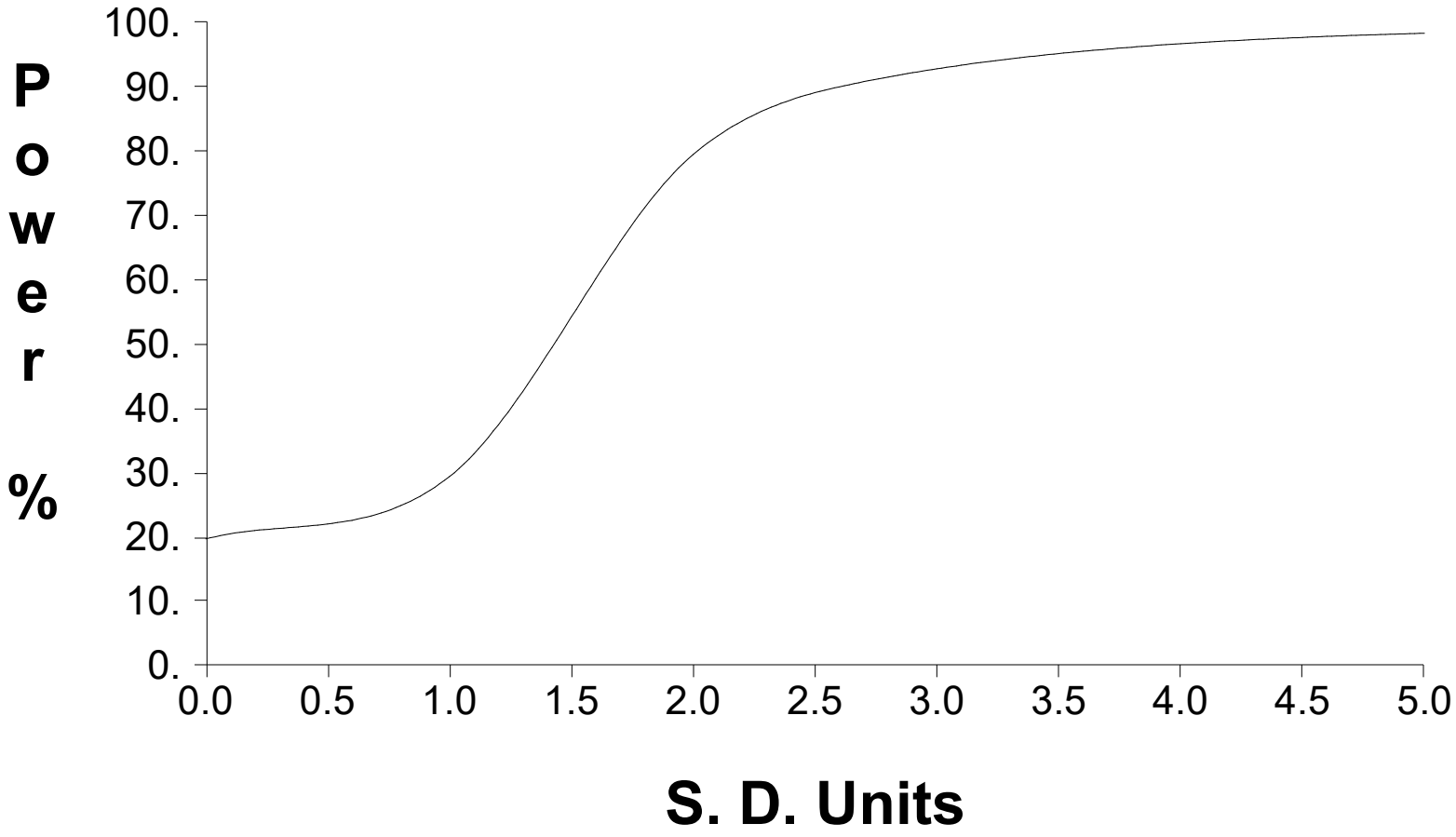


Table C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/29/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	03/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	01/29/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/03/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/03/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/03/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/29/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-15D	09/18/2018		1.3000		
Arsenic, Total	ug/L	MW-15D	11/29/2018		1.2000		
Arsenic, Total	ug/L	MW-15D	02/04/2019		1.3000		
Arsenic, Total	ug/L	MW-15D	03/25/2019		1.1000		
Arsenic, Total	ug/L	MW-15D	05/14/2019		1.0000		
Arsenic, Total	ug/L	MW-15D	07/24/2019		1.1000		
Arsenic, Total	ug/L	MW-15D	11/05/2019		1.1000		
Arsenic, Total	ug/L	MW-15D	01/29/2020		1.1000		
Arsenic, Total	ug/L	MW-15D	05/27/2020		1.2000		
Arsenic, Total	ug/L	MW-15D	11/03/2020		1.7000		
Arsenic, Total	ug/L	MW-15D	05/06/2021		1.1000		
Arsenic, Total	ug/L	MW-15D	11/03/2021		1.2000		
Arsenic, Total	ug/L	MW-15D	05/11/2022		1.2000		
Arsenic, Total	ug/L	MW-15D	11/03/2022		1.1000		
Arsenic, Total	ug/L	MW-15D	05/18/2023		1.5000		
Arsenic, Total	ug/L	MW-15D	11/29/2023		1.1000		
Barium, Total	ug/L	MW-15D	09/18/2018		71.4000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-15D	11/29/2018		67.8000		
Barium, Total	ug/L	MW-15D	02/04/2019		69.6000		
Barium, Total	ug/L	MW-15D	03/25/2019		68.4000		
Barium, Total	ug/L	MW-15D	05/14/2019		65.6000		
Barium, Total	ug/L	MW-15D	07/24/2019		64.6000		
Barium, Total	ug/L	MW-15D	11/05/2019		65.3000		
Barium, Total	ug/L	MW-15D	01/29/2020		65.2000		
Barium, Total	ug/L	MW-15D	05/27/2020		64.2000		
Barium, Total	ug/L	MW-15D	11/03/2020		63.2000		
Barium, Total	ug/L	MW-15D	05/06/2021		68.9000		
Barium, Total	ug/L	MW-15D	11/03/2021		69.2000		
Barium, Total	ug/L	MW-15D	05/11/2022		75.1000		
Barium, Total	ug/L	MW-15D	11/03/2022		73.6000		
Barium, Total	ug/L	MW-15D	05/18/2023		75.0000		
Barium, Total	ug/L	MW-15D	11/29/2023		73.5000		
Beryllium, Total	ug/L	MW-15D	09/18/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/29/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	02/04/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	03/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/14/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	07/24/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/05/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	01/29/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/27/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/03/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/06/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/11/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/29/2023	ND	0.2000		
Cadmium, Total	ug/L	MW-15D	09/18/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/29/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	02/04/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	03/25/2019	ND	2.0000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-15D	05/14/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	07/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/05/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	01/29/2020	ND	1.0000	2.0000	**
Cadmium, Total	ug/L	MW-15D	05/27/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/06/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/03/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/11/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/03/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/18/2023	ND	2.0000		
Chromium, Total	ug/L	MW-15D	09/18/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/29/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15D	02/04/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	03/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/14/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	07/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/05/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	01/29/2020	ND	20.0000	10.0000	**
Chromium, Total	ug/L	MW-15D	05/27/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/06/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/11/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/03/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/18/2023	ND	10.0000		
Cobalt, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/29/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	03/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	01/29/2020	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/03/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/03/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/03/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/29/2023	ND	1.0000		
Fluoride	mg/L	MW-15D	09/18/2018	ND	0.1000		
Fluoride	mg/L	MW-15D	11/29/2018		0.1200		
Fluoride	mg/L	MW-15D	02/04/2019		0.1200		
Fluoride	mg/L	MW-15D	03/25/2019		0.1300		
Fluoride	mg/L	MW-15D	05/14/2019		0.1100		
Fluoride	mg/L	MW-15D	07/24/2019	ND	0.1000		
Fluoride	mg/L	MW-15D	11/05/2019	ND	0.1000		
Fluoride	mg/L	MW-15D	01/29/2020		0.1000		
Fluoride	mg/L	MW-15D	05/27/2020		0.1100		
Fluoride	mg/L	MW-15D	11/03/2020	ND	0.1000		
Fluoride	mg/L	MW-15D	05/06/2021	ND	0.1000		
Fluoride	mg/L	MW-15D	11/03/2021	ND	0.1000		
Fluoride	mg/L	MW-15D	05/11/2022		0.1200		
Fluoride	mg/L	MW-15D	11/03/2022	ND	0.1000		
Fluoride	mg/L	MW-15D	05/18/2023		0.1000		
Fluoride	mg/L	MW-15D	11/29/2023	ND	0.1000		
Lead, Total	ug/L	MW-15D	09/18/2018	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/29/2018	ND	10.0000		
Lead, Total	ug/L	MW-15D	02/04/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	03/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/14/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	07/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/05/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	01/29/2020	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/27/2020	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-15D	11/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/06/2021	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/11/2022	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/03/2022	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/18/2023	ND	10.0000		
Lithium, Total	ug/L	MW-15D	09/18/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/29/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15D	02/04/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	03/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/14/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	07/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/05/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	01/29/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/27/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/03/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/06/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/03/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/11/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/03/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/29/2023	ND	20.0000		
Mercury	ug/L	MW-15D	09/18/2018	ND	2.0000		
Mercury	ug/L	MW-15D	11/29/2018	ND	2.0000		
Mercury	ug/L	MW-15D	02/04/2019	ND	2.0000		
Mercury	ug/L	MW-15D	03/25/2019	ND	2.0000		
Mercury	ug/L	MW-15D	05/14/2019	ND	2.0000		
Mercury	ug/L	MW-15D	07/24/2019	ND	2.0000		
Mercury	ug/L	MW-15D	11/05/2019	ND	2.0000		
Mercury	ug/L	MW-15D	01/29/2020	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15D	05/27/2020	ND	2.0000		
Mercury	ug/L	MW-15D	05/06/2021	ND	2.0000		
Mercury	ug/L	MW-15D	05/11/2022	ND	0.2000	2.0000	**

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	MW-15D	05/18/2023	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-15D	09/18/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/29/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	02/04/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	03/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/14/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	07/24/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/05/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	01/29/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/27/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/03/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/06/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/03/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/11/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/03/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/29/2023	ND	10.0000		
Selenium, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/29/2018	ND	1.0000		
Selenium, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	03/25/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	01/29/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/03/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/03/2021	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/03/2022	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/29/2023	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15D	11/29/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	03/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	01/29/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Total Radium	pCi/L	MW-15D	09/18/2018		1.1700		
Total Radium	pCi/L	MW-15D	11/29/2018		1.6500		
Total Radium	pCi/L	MW-15D	02/04/2019		1.0600		
Total Radium	pCi/L	MW-15D	03/25/2019		1.4600		
Total Radium	pCi/L	MW-15D	05/14/2019		2.0600		
Total Radium	pCi/L	MW-15D	07/24/2019		1.4500		
Total Radium	pCi/L	MW-15D	11/05/2019		1.1000		
Total Radium	pCi/L	MW-15D	01/29/2020		0.8340		
Total Radium	pCi/L	MW-15D	05/27/2020		1.2100		
Total Radium	pCi/L	MW-15D	11/03/2020		1.4300		
Total Radium	pCi/L	MW-15D	05/06/2021		1.7400		
Total Radium	pCi/L	MW-15D	11/03/2021		1.1300		
Total Radium	pCi/L	MW-15D	05/11/2022	ND	2.1300		
Total Radium	pCi/L	MW-15D	11/03/2022		1.3100		
Total Radium	pCi/L	MW-15D	05/18/2023		1.4700		
Total Radium	pCi/L	MW-15D	11/29/2023		1.4100		

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-3D	11/27/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9D	11/03/2023	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-3D	11/27/2023		3.3000	***	1.7000
Arsenic, Total	ug/L	MW-9D	11/03/2023		53.2000	***	1.7000
Barium, Total	ug/L	MW-3D	11/27/2023		106.0000	***	79.4553
Barium, Total	ug/L	MW-9D	11/03/2023		62.8000		79.4553
Beryllium, Total	ug/L	MW-3D	11/27/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9D	11/03/2023	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-3D	05/18/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9D	05/24/2023	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-3D	05/18/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9D	05/24/2023	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-3D	11/27/2023	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9D	11/03/2023	ND	1.0000		1.0000
Fluoride	mg/L	MW-3D	11/27/2023		0.1600	***	0.1300
Fluoride	mg/L	MW-9D	11/03/2023		0.5700	***	0.1300
Lead, Total	ug/L	MW-3D	05/18/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9D	05/24/2023	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-3D	11/27/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9D	11/03/2023		24.9000	*	20.0000
Mercury	ug/L	MW-3D	05/18/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-9D	05/24/2023	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-3D	11/27/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9D	11/03/2023		74.4000	***	10.0000
Selenium, Total	ug/L	MW-3D	11/27/2023	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-9D	11/03/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3D	05/18/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9D	05/24/2023	ND	1.0000		1.0000
Total Radium	pCi/L	MW-3D	11/27/2023		1.1700		2.4905
Total Radium	pCi/L	MW-9D	11/03/2023		1.1400		2.4905

* - 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 C-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	42	0.000
Arsenic, Total	16	16	1.000	24	42	0.571
Barium, Total	16	16	1.000	42	42	1.000
Beryllium, Total	0	14	0.000	0	36	0.000
Cadmium, Total	0	14	0.000	0	36	0.000
Chromium, Total	0	15	0.000	0	38	0.000
Cobalt, Total	0	16	0.000	0	40	0.000
Fluoride	8	16	0.500	44	44	1.000
Lead, Total	0	15	0.000	0	38	0.000
Lithium, Total	0	16	0.000	27	42	0.643
Mercury	0	12	0.000	0	30	0.000
Molybdenum, Total	0	16	0.000	35	42	0.833
Selenium, Total	0	16	0.000	0	42	0.000
Thallium, Total	0	12	0.000	0	32	0.000
Total Radium	15	16	0.938	34	42	0.810

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table C-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	16	16	1.000	3.067	2.534					2.326	non-norm	nonpar
Barium, Total	16	16	1.000	0.836	0.733					2.326	normal	normal
Beryllium, Total	0	14	0.000	4.155	4.155					2.326	non-norm	nonpar
Cadmium, Total	0	14	0.000	4.155	4.155					2.326	non-norm	nonpar
Chromium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Cobalt, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Fluoride	8	16	0.500	3.853	3.843					2.326	non-norm	nonpar
Lead, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Lithium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Mercury	0	12	0.000	3.731	3.731					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	15	16	0.938	0.210	1.081					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 C-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	***	0.99
Arsenic, Total	ug/L	16	16					1.7000	nonpar		0.99
Barium, Total	ug/L	16	16	68.7875	3.9799	0.0100	2.6804	79.4553	normal		
Beryllium, Total	ug/L	0	14					0.2000	nonpar	***	0.98
Cadmium, Total	ug/L	0	14					2.0000	nonpar	***	0.98
Chromium, Total	ug/L	0	15					10.0000	nonpar	***	0.99
Cobalt, Total	ug/L	0	16					1.0000	nonpar	***	0.99
Fluoride	mg/L	8	16					0.1300	nonpar		0.99
Lead, Total	ug/L	0	15					10.0000	nonpar	***	0.99
Lithium, Total	ug/L	0	16					20.0000	nonpar	***	0.99
Mercury	ug/L	0	12					2.0000	nonpar	***	0.98
Molybdenum, Total	ug/L	0	16					10.0000	nonpar	***	0.99
Selenium, Total	ug/L	0	16					1.0000	nonpar	***	0.99
Thallium, Total	ug/L	0	12					1.0000	nonpar	***	0.98
Total Radium	pCi/L	15	16	1.2802	0.4515	0.0100	2.6804	2.4905	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 C-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 C-7

Historical Downgradient 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-3D	04/05/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	05/25/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	08/08/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	09/26/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	11/28/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	01/24/2017	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	05/22/2017	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	08/07/2017	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	05/29/2018	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-3D	09/17/2018		2.7000	*	1.7000
Arsenic, Total	ug/L	MW-3D	05/15/2019		2.9000	*	1.7000
Arsenic, Total	ug/L	MW-3D	11/06/2019		2.9000	*	1.7000
Arsenic, Total	ug/L	MW-3D	05/18/2020		3.3000	*	1.7000
Arsenic, Total	ug/L	MW-3D	11/03/2020		2.9000	*	1.7000
Arsenic, Total	ug/L	MW-3D	05/03/2021		3.8000	*	1.7000
Arsenic, Total	ug/L	MW-3D	11/01/2021		3.4000	*	1.7000
Arsenic, Total	ug/L	MW-3D	05/02/2022		3.3000	*	1.7000
Arsenic, Total	ug/L	MW-3D	11/08/2022		4.2000	*	1.7000
Arsenic, Total	ug/L	MW-3D	01/19/2023		3.1000	*	1.7000
Arsenic, Total	ug/L	MW-3D	03/24/2023		3.2000	*	1.7000
Arsenic, Total	ug/L	MW-3D	05/18/2023		4.1000	*	1.7000
Arsenic, Total	ug/L	MW-3D	11/27/2023		3.3000	*	1.7000
Arsenic, Total	ug/L	MW-9D	04/06/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	05/25/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	08/08/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	09/27/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	11/29/2016	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	01/25/2017	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	05/23/2017	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	08/08/2017	ND	10.0000		1.7000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-9D	05/30/2018	ND	10.0000		1.7000
Arsenic, Total	ug/L	MW-9D	09/17/2018		2.8000	*	1.7000
Arsenic, Total	ug/L	MW-9D	05/16/2019		2.1000	*	1.7000
Arsenic, Total	ug/L	MW-9D	11/06/2019		3.2000	*	1.7000
Arsenic, Total	ug/L	MW-9D	05/19/2020		5.3000	*	1.7000
Arsenic, Total	ug/L	MW-9D	11/04/2020		4.7000	*	1.7000
Arsenic, Total	ug/L	MW-9D	05/03/2021		8.7000	*	1.7000
Arsenic, Total	ug/L	MW-9D	11/04/2021		9.0000	*	1.7000
Arsenic, Total	ug/L	MW-9D	05/06/2022		21.3000	*	1.7000
Arsenic, Total	ug/L	MW-9D	11/02/2022		17.8000	*	1.7000
Arsenic, Total	ug/L	MW-9D	05/24/2023		23.2000	*	1.7000
Arsenic, Total	ug/L	MW-9D	11/03/2023		53.2000	*	1.7000
Barium, Total	ug/L	MW-3D	04/05/2016		42.2000		79.4553
Barium, Total	ug/L	MW-3D	05/25/2016		20.5000		79.4553
Barium, Total	ug/L	MW-3D	08/08/2016		31.6000		79.4553
Barium, Total	ug/L	MW-3D	09/26/2016		47.5000		79.4553
Barium, Total	ug/L	MW-3D	11/28/2016		47.4000		79.4553
Barium, Total	ug/L	MW-3D	01/24/2017		53.2000		79.4553
Barium, Total	ug/L	MW-3D	05/22/2017		62.4000		79.4553
Barium, Total	ug/L	MW-3D	08/07/2017		64.4000		79.4553
Barium, Total	ug/L	MW-3D	05/29/2018		70.5000		79.4553
Barium, Total	ug/L	MW-3D	09/17/2018		75.3000		79.4553
Barium, Total	ug/L	MW-3D	05/15/2019		68.8000		79.4553
Barium, Total	ug/L	MW-3D	11/06/2019		50.8000		79.4553
Barium, Total	ug/L	MW-3D	05/18/2020		49.8000		79.4553
Barium, Total	ug/L	MW-3D	11/03/2020		53.2000		79.4553
Barium, Total	ug/L	MW-3D	05/03/2021		39.3000		79.4553
Barium, Total	ug/L	MW-3D	11/01/2021		66.9000		79.4553
Barium, Total	ug/L	MW-3D	05/02/2022		66.0000		79.4553
Barium, Total	ug/L	MW-3D	11/08/2022		85.6000	*	79.4553

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-3D	01/19/2023		87.9000	*	79.4553
Barium, Total	ug/L	MW-3D	03/24/2023		93.4000	*	79.4553
Barium, Total	ug/L	MW-3D	05/18/2023		93.8000	*	79.4553
Barium, Total	ug/L	MW-3D	11/27/2023		106.0000	*	79.4553
Fluoride	mg/L	MW-3D	04/05/2016		0.3300	*	0.1300
Fluoride	mg/L	MW-3D	05/25/2016		0.4300	*	0.1300
Fluoride	mg/L	MW-3D	08/08/2016		0.4100	*	0.1300
Fluoride	mg/L	MW-3D	09/26/2016		0.4400	*	0.1300
Fluoride	mg/L	MW-3D	11/28/2016		0.4200	*	0.1300
Fluoride	mg/L	MW-3D	01/24/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-3D	05/22/2017		0.3800	*	0.1300
Fluoride	mg/L	MW-3D	08/07/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-3D	09/20/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-3D	05/29/2018		0.2900	*	0.1300
Fluoride	mg/L	MW-3D	09/17/2018		0.2800	*	0.1300
Fluoride	mg/L	MW-3D	05/15/2019		0.2400	*	0.1300
Fluoride	mg/L	MW-3D	11/06/2019		0.2100	*	0.1300
Fluoride	mg/L	MW-3D	05/18/2020		0.2300	*	0.1300
Fluoride	mg/L	MW-3D	11/03/2020		0.2000	*	0.1300
Fluoride	mg/L	MW-3D	05/03/2021		0.1800	*	0.1300
Fluoride	mg/L	MW-3D	11/01/2021		0.1500	*	0.1300
Fluoride	mg/L	MW-3D	05/02/2022		0.1400	*	0.1300
Fluoride	mg/L	MW-3D	11/08/2022		0.2500	*	0.1300
Fluoride	mg/L	MW-3D	01/19/2023		0.2100	*	0.1300
Fluoride	mg/L	MW-3D	03/24/2023		0.1900	*	0.1300
Fluoride	mg/L	MW-3D	05/18/2023		0.2300	*	0.1300
Fluoride	mg/L	MW-3D	11/27/2023		0.1600	*	0.1300
Fluoride	mg/L	MW-9D	04/06/2016		0.3400	*	0.1300
Fluoride	mg/L	MW-9D	05/25/2016		0.3900	*	0.1300
Fluoride	mg/L	MW-9D	08/08/2016		0.3900	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-9D	09/27/2016		0.4000	*	0.1300
Fluoride	mg/L	MW-9D	11/29/2016		0.4400	*	0.1300
Fluoride	mg/L	MW-9D	01/25/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-9D	05/23/2017		0.4600	*	0.1300
Fluoride	mg/L	MW-9D	08/08/2017		0.4900	*	0.1300
Fluoride	mg/L	MW-9D	09/20/2017		0.5200	*	0.1300
Fluoride	mg/L	MW-9D	05/30/2018		0.4500	*	0.1300
Fluoride	mg/L	MW-9D	09/17/2018		0.4300	*	0.1300
Fluoride	mg/L	MW-9D	05/16/2019		0.4400	*	0.1300
Fluoride	mg/L	MW-9D	11/06/2019		0.4400	*	0.1300
Fluoride	mg/L	MW-9D	05/19/2020		0.4600	*	0.1300
Fluoride	mg/L	MW-9D	11/04/2020		0.4200	*	0.1300
Fluoride	mg/L	MW-9D	05/03/2021		0.4000	*	0.1300
Fluoride	mg/L	MW-9D	11/04/2021		0.3600	*	0.1300
Fluoride	mg/L	MW-9D	05/06/2022		0.4800	*	0.1300
Fluoride	mg/L	MW-9D	11/02/2022		0.4500	*	0.1300
Fluoride	mg/L	MW-9D	05/24/2023		0.4800	*	0.1300
Fluoride	mg/L	MW-9D	11/03/2023		0.5700	*	0.1300
Lithium, Total	ug/L	MW-9D	04/06/2016		146.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/25/2016		134.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	08/08/2016		123.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	09/27/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/29/2016		119.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	01/25/2017		109.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/23/2017		71.9000	*	20.0000
Lithium, Total	ug/L	MW-9D	08/08/2017		65.9000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/30/2018		48.2000	*	20.0000
Lithium, Total	ug/L	MW-9D	09/17/2018		43.5000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/16/2019		44.4000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/06/2019		33.6000	*	20.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

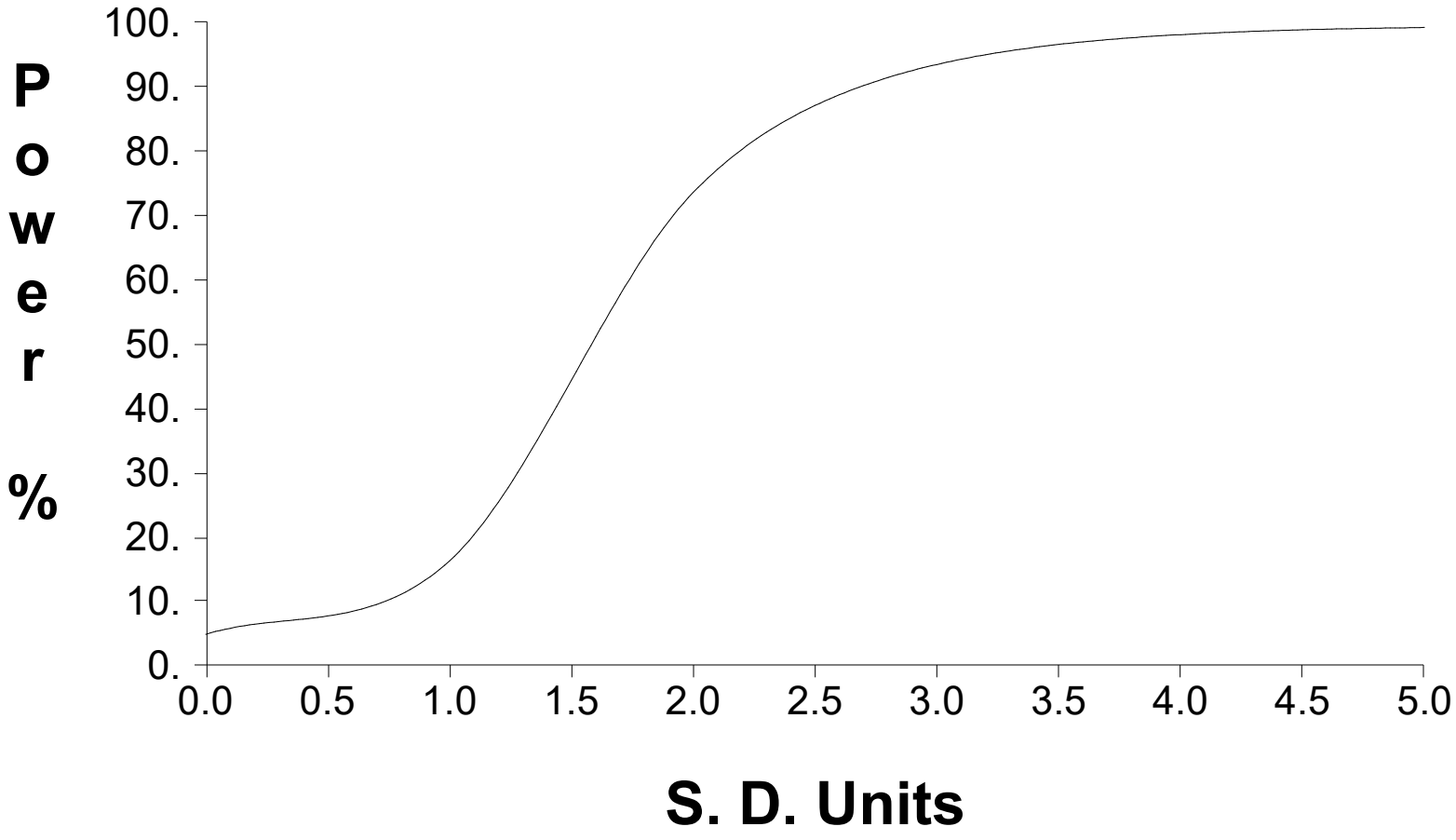
Table C-7

Historical Downgradient 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-9D	05/19/2020		32.1000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/04/2020		25.2000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/03/2021		25.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/04/2021		23.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/06/2022		22.6000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/02/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9D	05/24/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9D	11/03/2023		24.9000	*	20.0000
Molybdenum, Total	ug/L	MW-9D	04/06/2016		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/25/2016		132.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	08/08/2016		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	09/27/2016		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/29/2016		140.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	01/25/2017		143.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/23/2017		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	08/08/2017		96.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/30/2018		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	09/17/2018		85.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/16/2019		50.4000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/06/2019		53.3000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/19/2020		55.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/04/2020		45.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/03/2021		49.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/04/2021		41.3000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/06/2022		47.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/02/2022		53.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/24/2023		47.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/03/2023		74.4000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



May 2024

Table C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-15S	09/18/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	07/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/03/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-15S	05/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	09/18/2018		6.4000		
Arsenic, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	07/24/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/03/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-15S	05/10/2024	ND	1.0000		
Barium, Total	ug/L	MW-15S	09/18/2018		62.9000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium, Total	ug/L	MW-15S	11/29/2018		63.8000		
Barium, Total	ug/L	MW-15S	02/04/2019		54.5000		
Barium, Total	ug/L	MW-15S	03/25/2019		50.4000		
Barium, Total	ug/L	MW-15S	05/14/2019		42.8000		
Barium, Total	ug/L	MW-15S	07/24/2019		60.7000		
Barium, Total	ug/L	MW-15S	11/05/2019		69.4000		
Barium, Total	ug/L	MW-15S	01/29/2020		51.1000		
Barium, Total	ug/L	MW-15S	05/27/2020		55.8000		
Barium, Total	ug/L	MW-15S	11/03/2020		61.0000		
Barium, Total	ug/L	MW-15S	05/06/2021		51.8000		
Barium, Total	ug/L	MW-15S	11/03/2021		61.2000		
Barium, Total	ug/L	MW-15S	05/05/2022		49.0000		
Barium, Total	ug/L	MW-15S	11/11/2022		61.1000		
Barium, Total	ug/L	MW-15S	05/18/2023		48.6000		
Barium, Total	ug/L	MW-15S	05/10/2024		39.5000		
Beryllium, Total	ug/L	MW-15S	09/18/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	11/29/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	02/04/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	03/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/14/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	07/24/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	11/05/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	01/29/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/27/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	11/03/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/06/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/05/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-15S	05/10/2024	ND	0.2000		
Cadmium, Total	ug/L	MW-15S	09/18/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/29/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	02/04/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	03/25/2019	ND	2.0000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-15S	05/14/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	07/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/05/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	01/29/2020	ND	1.0000	2.0000	**
Cadmium, Total	ug/L	MW-15S	05/27/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/06/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/03/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/05/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	11/11/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/18/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-15S	05/10/2024	ND	2.0000		
Chromium, Total	ug/L	MW-15S	09/18/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/29/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15S	02/04/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	03/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/14/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	07/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/05/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15S	01/29/2020	ND	20.0000	10.0000	**
Chromium, Total	ug/L	MW-15S	05/27/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/06/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/05/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15S	11/11/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/18/2023	ND	10.0000		
Chromium, Total	ug/L	MW-15S	05/10/2024	ND	10.0000		
Cobalt, Total	ug/L	MW-15S	09/18/2018		2.3000		
Cobalt, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	07/24/2019	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	11/03/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-15S	05/10/2024	ND	1.0000		
Fluoride	mg/L	MW-15S	09/18/2018	ND	0.1000		
Fluoride	mg/L	MW-15S	11/29/2018		0.1200		
Fluoride	mg/L	MW-15S	02/04/2019		0.1100		
Fluoride	mg/L	MW-15S	03/25/2019		0.1200		
Fluoride	mg/L	MW-15S	05/14/2019		0.1000		
Fluoride	mg/L	MW-15S	07/24/2019	ND	0.1000		
Fluoride	mg/L	MW-15S	11/05/2019	ND	0.1000		
Fluoride	mg/L	MW-15S	01/29/2020		0.1100		
Fluoride	mg/L	MW-15S	05/27/2020		0.1100		
Fluoride	mg/L	MW-15S	11/03/2020	ND	0.1000		
Fluoride	mg/L	MW-15S	05/06/2021	ND	0.1000		
Fluoride	mg/L	MW-15S	11/03/2021	ND	0.1000		
Fluoride	mg/L	MW-15S	05/05/2022		0.1200		
Fluoride	mg/L	MW-15S	11/11/2022		0.1400		
Fluoride	mg/L	MW-15S	05/18/2023		0.1100		
Fluoride	mg/L	MW-15S	05/10/2024		0.1300		
Lead, Total	ug/L	MW-15S	09/18/2018	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/29/2018	ND	10.0000		
Lead, Total	ug/L	MW-15S	02/04/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	03/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/14/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	07/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/05/2019	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-15S	01/29/2020	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/27/2020	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/06/2021	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/05/2022	ND	10.0000		
Lead, Total	ug/L	MW-15S	11/11/2022	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/18/2023	ND	10.0000		
Lead, Total	ug/L	MW-15S	05/10/2024	ND	10.0000		
Lithium, Total	ug/L	MW-15S	09/18/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/29/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15S	02/04/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	03/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/14/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	07/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/05/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15S	01/29/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/27/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/03/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/06/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/03/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/05/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15S	11/11/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-15S	05/10/2024	ND	20.0000		
Mercury	ug/L	MW-15S	09/18/2018	ND	2.0000		
Mercury	ug/L	MW-15S	11/29/2018	ND	2.0000		
Mercury	ug/L	MW-15S	02/04/2019	ND	2.0000		
Mercury	ug/L	MW-15S	03/25/2019	ND	2.0000		
Mercury	ug/L	MW-15S	05/14/2019	ND	2.0000		
Mercury	ug/L	MW-15S	07/24/2019	ND	2.0000		
Mercury	ug/L	MW-15S	11/05/2019	ND	2.0000		
Mercury	ug/L	MW-15S	01/29/2020	ND	0.2000	2.0000	**

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	MW-15S	05/27/2020	ND	2.0000		
Mercury	ug/L	MW-15S	05/06/2021	ND	2.0000		
Mercury	ug/L	MW-15S	05/05/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15S	05/18/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15S	05/10/2024	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-15S	09/18/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/29/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	02/04/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	03/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/14/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	07/24/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/05/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	01/29/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/27/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/03/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/06/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/03/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/05/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	11/11/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-15S	05/10/2024	ND	10.0000		
Selenium, Total	ug/L	MW-15S	09/18/2018		1.3000		
Selenium, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Selenium, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	07/24/2019		1.1000		
Selenium, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15S	11/03/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Selenium, Total	ug/L	MW-15S	11/03/2021	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, Total	ug/L	MW-15S	05/05/2022		1.1000		
Selenium, Total	ug/L	MW-15S	11/11/2022	ND	1.0000		
Selenium, Total	ug/L	MW-15S	05/18/2023		1.3000		
Selenium, Total	ug/L	MW-15S	05/10/2024		1.2000		
Thallium, Total	ug/L	MW-15S	09/18/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15S	11/29/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15S	02/04/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	03/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/14/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	07/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	11/05/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15S	01/29/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/27/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/06/2021	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/05/2022	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/18/2023	ND	1.0000		
Thallium, Total	ug/L	MW-15S	05/10/2024	ND	1.0000		
Total Radium	pCi/L	MW-15S	09/18/2018		1.3200		
Total Radium	pCi/L	MW-15S	11/29/2018		0.6850		
Total Radium	pCi/L	MW-15S	02/04/2019	ND	0.4960	1.3200	**
Total Radium	pCi/L	MW-15S	03/25/2019		0.8850		
Total Radium	pCi/L	MW-15S	05/14/2019		1.0300		
Total Radium	pCi/L	MW-15S	07/24/2019		1.0300		
Total Radium	pCi/L	MW-15S	11/05/2019		0.7510		
Total Radium	pCi/L	MW-15S	01/29/2020	ND	1.2500	1.3200	**
Total Radium	pCi/L	MW-15S	05/27/2020	ND	1.3200		
Total Radium	pCi/L	MW-15S	11/03/2020	ND	1.2900	1.3200	**
Total Radium	pCi/L	MW-15S	05/06/2021	ND	1.3500	1.3200	**
Total Radium	pCi/L	MW-15S	11/03/2021	ND	2.0200	1.3200	**
Total Radium	pCi/L	MW-15S	05/05/2022		0.5950		
Total Radium	pCi/L	MW-15S	11/11/2022		1.0500		
Total Radium	pCi/L	MW-15S	05/18/2023	ND	1.4500	1.3200	**
Total Radium	pCi/L	MW-15S	05/10/2024	ND	1.6900	1.3200	**

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10S	05/21/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-11S	05/10/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/06/2022		2.0000	***	1.0000
Antimony, Total	ug/L	MW-13S	05/03/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-14D	05/08/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1S	05/06/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2D	05/09/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-2S	05/09/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-3S	05/07/2024		5.6000	***	1.0000
Antimony, Total	ug/L	MW-4S	05/04/2022	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-6S	05/10/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-7S	05/08/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-8S	05/06/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9S	11/09/2020		7.3000	***	1.0000
Antimony, Total	ug/L	MW-9SR	05/24/2023		1.8000	***	1.0000
Arsenic, Total	ug/L	MW-10S	05/21/2024		283.0000	***	6.4000
Arsenic, Total	ug/L	MW-11S	05/10/2024		1.7000		6.4000
Arsenic, Total	ug/L	MW-12S	05/06/2022		46.0000	***	6.4000
Arsenic, Total	ug/L	MW-13S	05/03/2024		319.0000	***	6.4000
Arsenic, Total	ug/L	MW-14D	05/08/2024		136.0000	***	6.4000
Arsenic, Total	ug/L	MW-1S	05/06/2024		5.1000		6.4000
Arsenic, Total	ug/L	MW-2D	05/09/2024		11.6000	***	6.4000
Arsenic, Total	ug/L	MW-2S	05/09/2024		8.0000	***	6.4000
Arsenic, Total	ug/L	MW-3S	05/07/2024	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-4S	05/04/2022		1.1000		6.4000
Arsenic, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-6S	05/10/2024		14.0000	***	6.4000
Arsenic, Total	ug/L	MW-7S	05/08/2024		309.0000	***	6.4000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Arsenic, Total	ug/L	MW-8S	05/06/2024	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-9S	11/09/2020	ND	1.0000		6.4000
Arsenic, Total	ug/L	MW-9SR	05/24/2023	ND	1.0000		6.4000
Barium, Total	ug/L	MW-10S	05/21/2024		94.7000	*	77.1551
Barium, Total	ug/L	MW-11S	05/10/2024		79.9000	***	77.1551
Barium, Total	ug/L	MW-12S	05/06/2022		31.1000		77.1551
Barium, Total	ug/L	MW-13S	05/03/2024		46.9000		77.1551
Barium, Total	ug/L	MW-14D	05/08/2024		40.7000		77.1551
Barium, Total	ug/L	MW-1S	05/06/2024		57.6000		77.1551
Barium, Total	ug/L	MW-2D	05/09/2024		39.6000		77.1551
Barium, Total	ug/L	MW-2S	05/09/2024		49.3000	**	77.1551
Barium, Total	ug/L	MW-3S	05/07/2024		54.5000		77.1551
Barium, Total	ug/L	MW-4S	05/04/2022		90.7000	***	77.1551
Barium, Total	ug/L	MW-4SR	05/24/2023		57.2000		77.1551
Barium, Total	ug/L	MW-5S	05/18/2023		48.4000		77.1551
Barium, Total	ug/L	MW-6S	05/10/2024		80.7000	***	77.1551
Barium, Total	ug/L	MW-7S	05/08/2024		44.2000		77.1551
Barium, Total	ug/L	MW-8S	05/06/2024		27.6000		77.1551
Barium, Total	ug/L	MW-9S	11/09/2020		52.0000		77.1551
Barium, Total	ug/L	MW-9SR	05/24/2023		39.1000		77.1551
Beryllium, Total	ug/L	MW-10S	05/21/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11S	05/10/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12S	05/06/2022	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-13S	05/03/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-14D	05/08/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1S	05/06/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2D	05/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-2S	05/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-3S	05/07/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-4S	05/04/2022	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-4SR	05/24/2023	ND	0.2000		0.2000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Beryllium, Total	ug/L	MW-5S	05/18/2023	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-6S	05/10/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-7S	05/08/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-8S	05/06/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9S	11/09/2020	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9SR	05/24/2023	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-10S	05/21/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-11S	05/10/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12S	05/06/2022	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-13S	05/03/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-14D	05/08/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1S	05/06/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2D	05/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-2S	05/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-3S	05/07/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-4S	05/04/2022	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-4SR	05/24/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-5S	05/18/2023	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-6S	05/10/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-7S	05/08/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-8S	05/06/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9S	05/29/2020	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9SR	05/24/2023	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10S	05/21/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11S	05/10/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12S	05/06/2022	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-13S	05/03/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-14D	05/08/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1S	05/06/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2D	05/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-2S	05/09/2024	ND	10.0000		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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Chromium, Total	ug/L	MW-3S	05/07/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-4S	05/04/2022	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-4SR	05/24/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-5S	05/18/2023	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-6S	05/10/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-7S	05/08/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-8S	05/06/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9S	11/09/2020	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9SR	05/24/2023	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10S	05/21/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-11S	05/10/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-12S	05/06/2022	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-13S	05/03/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-14D	05/08/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-1S	05/06/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-2D	05/09/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-2S	05/09/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-3S	05/07/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-4S	05/04/2022	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-5S	05/18/2023		1.1000		2.3000
Cobalt, Total	ug/L	MW-6S	05/10/2024		2.1000		2.3000
Cobalt, Total	ug/L	MW-7S	05/08/2024		1.3000		2.3000
Cobalt, Total	ug/L	MW-8S	05/06/2024	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-9S	11/09/2020	ND	1.0000		2.3000
Cobalt, Total	ug/L	MW-9SR	05/24/2023	ND	1.0000		2.3000
Fluoride	mg/L	MW-10S	05/21/2024		2.7000	***	0.1400
Fluoride	mg/L	MW-11S	05/10/2024		1.7000	***	0.1400
Fluoride	mg/L	MW-12S	05/06/2022		2.1000	***	0.1400
Fluoride	mg/L	MW-13S	05/03/2024		0.7800	***	0.1400
Fluoride	mg/L	MW-14D	05/08/2024		0.2400	***	0.1400

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-1S	05/06/2024		0.3500	***	0.1400
Fluoride	mg/L	MW-2D	05/09/2024		0.7800	***	0.1400
Fluoride	mg/L	MW-2S	05/09/2024		0.5900	***	0.1400
Fluoride	mg/L	MW-3S	05/07/2024		0.1300	**	0.1400
Fluoride	mg/L	MW-4S	05/04/2022	ND	0.1000		0.1400
Fluoride	mg/L	MW-4SR	05/24/2023		0.1000		0.1400
Fluoride	mg/L	MW-5S	05/18/2023		1.1000	***	0.1400
Fluoride	mg/L	MW-6S	05/10/2024		1.9000	***	0.1400
Fluoride	mg/L	MW-7S	05/08/2024		0.6100	***	0.1400
Fluoride	mg/L	MW-8S	05/06/2024		0.1500	*	0.1400
Fluoride	mg/L	MW-9S	11/09/2020		0.2100	*	0.1400
Fluoride	mg/L	MW-9SR	05/24/2023		0.6100	***	0.1400
Lead, Total	ug/L	MW-10S	05/21/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11S	05/10/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12S	05/06/2022	ND	10.0000		10.0000
Lead, Total	ug/L	MW-13S	05/03/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-14D	05/08/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1S	05/06/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2D	05/09/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-2S	05/09/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-3S	05/07/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-4S	05/04/2022	ND	10.0000		10.0000
Lead, Total	ug/L	MW-4SR	05/24/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-5S	05/18/2023	ND	10.0000		10.0000
Lead, Total	ug/L	MW-6S	05/10/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-7S	05/08/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-8S	05/06/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9S	11/09/2020	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9SR	05/24/2023	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10S	05/21/2024		46.7000	***	20.0000
Lithium, Total	ug/L	MW-11S	05/10/2024	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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Lithium, Total	ug/L	MW-12S	05/06/2022		67.8000	***	20.0000
Lithium, Total	ug/L	MW-13S	05/03/2024		60.4000	***	20.0000
Lithium, Total	ug/L	MW-14D	05/08/2024		587.0000	***	20.0000
Lithium, Total	ug/L	MW-1S	05/06/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2D	05/09/2024		34.9000	***	20.0000
Lithium, Total	ug/L	MW-2S	05/09/2024	ND	20.0000	**	20.0000
Lithium, Total	ug/L	MW-3S	05/07/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/04/2022	ND	20.0000	**	20.0000
Lithium, Total	ug/L	MW-4SR	05/24/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-5S	05/18/2023		47.9000	***	20.0000
Lithium, Total	ug/L	MW-6S	05/10/2024		48.0000	***	20.0000
Lithium, Total	ug/L	MW-7S	05/08/2024		83.3000	***	20.0000
Lithium, Total	ug/L	MW-8S	05/06/2024		78.9000	***	20.0000
Lithium, Total	ug/L	MW-9S	11/09/2020		72.7000	***	20.0000
Lithium, Total	ug/L	MW-9SR	05/24/2023		61.5000	***	20.0000
Mercury	ug/L	MW-10S	05/21/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-11S	05/10/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-12S	05/06/2022	ND	0.2000		2.0000
Mercury	ug/L	MW-13S	05/03/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-14D	05/08/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-1S	05/06/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-2D	05/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-2S	05/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-3S	05/07/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-4S	05/04/2022	ND	0.2000		2.0000
Mercury	ug/L	MW-4SR	05/24/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-5S	05/18/2023	ND	0.2000		2.0000
Mercury	ug/L	MW-6S	05/10/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-7S	05/08/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-8S	05/06/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-9S	05/29/2020	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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Mercury	ug/L	MW-9SR	05/24/2023	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10S	05/21/2024		111.0000	***	10.0000
Molybdenum, Total	ug/L	MW-11S	05/10/2024		67.4000	***	10.0000
Molybdenum, Total	ug/L	MW-12S	05/06/2022		118.0000	***	10.0000
Molybdenum, Total	ug/L	MW-13S	05/03/2024		342.0000	***	10.0000
Molybdenum, Total	ug/L	MW-14D	05/08/2024		198.0000	***	10.0000
Molybdenum, Total	ug/L	MW-1S	05/06/2024		21.0000	***	10.0000
Molybdenum, Total	ug/L	MW-2D	05/09/2024		63.6000	***	10.0000
Molybdenum, Total	ug/L	MW-2S	05/09/2024		57.4000	***	10.0000
Molybdenum, Total	ug/L	MW-3S	05/07/2024		22.9000	***	10.0000
Molybdenum, Total	ug/L	MW-4S	05/04/2022	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-4SR	05/24/2023	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-5S	05/18/2023		56.6000	***	10.0000
Molybdenum, Total	ug/L	MW-6S	05/10/2024		229.0000	***	10.0000
Molybdenum, Total	ug/L	MW-7S	05/08/2024		391.0000	***	10.0000
Molybdenum, Total	ug/L	MW-8S	05/06/2024		209.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9S	11/09/2020		201.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9SR	05/24/2023		226.0000	***	10.0000
Selenium, Total	ug/L	MW-10S	05/21/2024		1.3000		1.3000
Selenium, Total	ug/L	MW-11S	05/10/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/06/2022		26.3000	***	1.3000
Selenium, Total	ug/L	MW-13S	05/03/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-14D	05/08/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-1S	05/06/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-2D	05/09/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-2S	05/09/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/07/2024		42.8000	***	1.3000
Selenium, Total	ug/L	MW-4S	05/04/2022		119.0000	***	1.3000
Selenium, Total	ug/L	MW-4SR	05/24/2023		3.7000	***	1.3000
Selenium, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/10/2024		5.4000	*	1.3000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Selenium, Total	ug/L	MW-7S	05/08/2024	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/06/2024		3.2000	*	1.3000
Selenium, Total	ug/L	MW-9S	11/09/2020		15.9000	***	1.3000
Selenium, Total	ug/L	MW-9SR	05/24/2023		28.4000	*	1.3000
Thallium, Total	ug/L	MW-10S	05/21/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11S	05/10/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12S	05/06/2022	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-13S	05/03/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-14D	05/08/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1S	05/06/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2D	05/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-2S	05/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3S	05/07/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-4S	05/04/2022	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-4SR	05/24/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-5S	05/18/2023	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-6S	05/10/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-7S	05/08/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-8S	05/06/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9S	05/29/2020	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9SR	05/24/2023	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10S	05/21/2024	ND	1.4800		1.3200
Total Radium	pCi/L	MW-11S	05/10/2024	ND	2.3300		1.3200
Total Radium	pCi/L	MW-12S	05/06/2022	ND	1.6700		1.3200
Total Radium	pCi/L	MW-13S	05/03/2024		1.0800		1.3200
Total Radium	pCi/L	MW-14D	05/08/2024		1.0500	**	1.3200
Total Radium	pCi/L	MW-1S	05/06/2024		2.0100	***	1.3200
Total Radium	pCi/L	MW-2D	05/09/2024		1.1700	**	1.3200
Total Radium	pCi/L	MW-2S	05/09/2024	ND	2.3100	**	1.3200
Total Radium	pCi/L	MW-3S	05/07/2024		1.0400		1.3200
Total Radium	pCi/L	MW-4S	05/04/2022	ND	1.4500		1.3200

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Total Radium	pCi/L	MW-4SR	05/24/2023	ND	2.2200		1.3200
Total Radium	pCi/L	MW-5S	05/18/2023		2.1700	***	1.3200
Total Radium	pCi/L	MW-6S	05/10/2024		0.9690		1.3200
Total Radium	pCi/L	MW-7S	05/08/2024		1.3500	*	1.3200
Total Radium	pCi/L	MW-8S	05/06/2024	ND	1.7200		1.3200
Total Radium	pCi/L	MW-9S	11/09/2020	ND	1.8600	**	1.3200
Total Radium	pCi/L	MW-9SR	05/24/2023		1.0900	**	1.3200

* - 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 C-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	49	297	0.165
Arsenic, Total	1	16	0.063	197	296	0.666
Barium, Total	16	16	1.000	297	297	1.000
Beryllium, Total	0	14	0.000	2	257	0.008
Cadmium, Total	0	15	0.000	3	257	0.012
Chromium, Total	0	16	0.000	10	281	0.036
Cobalt, Total	1	16	0.063	30	282	0.106
Fluoride	10	16	0.625	292	312	0.936
Lead, Total	0	16	0.000	2	272	0.007
Lithium, Total	0	16	0.000	233	297	0.785
Mercury	0	13	0.000	0	226	0.000
Molybdenum, Total	0	16	0.000	280	297	0.943
Selenium, Total	5	16	0.313	59	297	0.199
Thallium, Total	0	13	0.000	0	232	0.000
Total Radium	8	16	0.500	237	295	0.803

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table C-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	0.471	0.107					2.326	normal	normal
Beryllium, Total	0	14	0.000	4.155	4.155					2.326	non-norm	nonpar
Cadmium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Chromium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Cobalt, Total	1	16	0.063	4.567	4.567					2.326	non-norm	nonpar
Fluoride	10	16	0.625	2.583	2.454					2.326	non-norm	nonpar
Lead, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Lithium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Mercury	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Molybdenum, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Selenium, Total	5	16	0.313	4.618	4.563					2.326	non-norm	nonpar
Thallium, Total	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Total Radium	8	16	0.500	3.300	3.386					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 C-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	***	0.91
Arsenic, Total	ug/L	1	16					6.4000	nonpar		0.91
Barium, Total	ug/L	16	16	55.2250	8.1816	0.0100	2.6804	77.1551	normal		
Beryllium, Total	ug/L	0	14					0.2000	nonpar	***	0.89
Cadmium, Total	ug/L	0	15					2.0000	nonpar	***	0.90
Chromium, Total	ug/L	0	16					10.0000	nonpar	***	0.91
Cobalt, Total	ug/L	1	16					2.3000	nonpar		0.91
Fluoride	mg/L	10	16					0.1400	nonpar		0.91
Lead, Total	ug/L	0	16					10.0000	nonpar	***	0.91
Lithium, Total	ug/L	0	16					20.0000	nonpar	***	0.91
Mercury	ug/L	0	13					2.0000	nonpar	***	0.88
Molybdenum, Total	ug/L	0	16					10.0000	nonpar	***	0.91
Selenium, Total	ug/L	5	16					1.3000	nonpar		0.91
Thallium, Total	ug/L	0	13					1.0000	nonpar	***	0.88
Total Radium	pCi/L	8	16					1.3200	nonpar		0.91

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 C-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 C-7

Historical Downgradient 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	04/06/2016		6.0000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/25/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	08/09/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	09/27/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	11/29/2016	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	01/25/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/23/2017		7.7000	*	1.0000
Antimony, Total	ug/L	MW-12S	08/08/2017	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	05/30/2018	ND	6.0000		1.0000
Antimony, Total	ug/L	MW-12S	09/17/2018		3.7000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/16/2019		4.4000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/29/2020		2.1000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/05/2020		2.8000	*	1.0000
Antimony, Total	ug/L	MW-12S	11/01/2021		2.8000	*	1.0000
Antimony, Total	ug/L	MW-12S	05/06/2022		2.0000	*	1.0000
Antimony, Total	ug/L	MW-3S	04/05/2016		9.5000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/25/2016		8.5000	*	1.0000
Antimony, Total	ug/L	MW-3S	08/08/2016		8.9000	*	1.0000
Antimony, Total	ug/L	MW-3S	09/26/2016		10.0000	*	1.0000
Antimony, Total	ug/L	MW-3S	11/28/2016		8.5000	*	1.0000
Antimony, Total	ug/L	MW-3S	01/24/2017		6.4000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/22/2017		9.6000	*	1.0000
Antimony, Total	ug/L	MW-3S	08/07/2017		7.3000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/29/2018		8.9000	*	1.0000
Antimony, Total	ug/L	MW-3S	09/17/2018		9.1000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/14/2019		7.3000	*	1.0000
Antimony, Total	ug/L	MW-3S	11/05/2019		8.7000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/18/2020		7.1000	*	1.0000
Antimony, Total	ug/L	MW-3S	11/03/2020		7.7000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/03/2021		5.5000	*	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 C-7

Historical Downgradient 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-3S	11/01/2021		7.3000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/02/2022		4.9000	*	1.0000
Antimony, Total	ug/L	MW-3S	01/19/2023		5.7000	*	1.0000
Antimony, Total	ug/L	MW-3S	03/24/2023		5.2000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/18/2023		4.7000	*	1.0000
Antimony, Total	ug/L	MW-3S	05/07/2024		5.6000	*	1.0000
Antimony, Total	ug/L	MW-9S	04/06/2016		14.9000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/25/2016		14.4000	*	1.0000
Antimony, Total	ug/L	MW-9S	08/08/2016		13.0000	*	1.0000
Antimony, Total	ug/L	MW-9S	09/27/2016		14.1000	*	1.0000
Antimony, Total	ug/L	MW-9S	11/28/2016		11.9000	*	1.0000
Antimony, Total	ug/L	MW-9S	01/25/2017		12.5000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/23/2017		12.6000	*	1.0000
Antimony, Total	ug/L	MW-9S	08/08/2017		8.0000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/30/2018		11.5000	*	1.0000
Antimony, Total	ug/L	MW-9S	09/17/2018		11.5000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/16/2019		9.2000	*	1.0000
Antimony, Total	ug/L	MW-9S	05/29/2020		8.8000	*	1.0000
Antimony, Total	ug/L	MW-9S	11/09/2020		7.3000	*	1.0000
Antimony, Total	ug/L	MW-9SR	01/31/2023		1.0000	**	1.0000
Antimony, Total	ug/L	MW-9SR	05/24/2023		1.8000	*	1.0000
Arsenic, Total	ug/L	MW-10S	04/06/2016		455.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/25/2016		440.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	08/09/2016		484.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	09/27/2016		492.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/29/2016		545.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	01/25/2017		507.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/23/2017		440.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	08/08/2017		494.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/30/2018		444.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-10S	09/18/2018		343.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/16/2019		349.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/05/2019		385.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/19/2020		358.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/05/2020		349.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/06/2021		413.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/02/2021		429.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/02/2022		448.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/03/2022		368.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/25/2023		401.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	11/08/2023		320.0000	*	6.4000
Arsenic, Total	ug/L	MW-10S	05/21/2024		283.0000	*	6.4000
Arsenic, Total	ug/L	MW-12S	04/06/2016		15.6000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/25/2016		14.7000	*	6.4000
Arsenic, Total	ug/L	MW-12S	08/09/2016		15.5000	*	6.4000
Arsenic, Total	ug/L	MW-12S	09/27/2016		15.6000	*	6.4000
Arsenic, Total	ug/L	MW-12S	11/29/2016		14.4000	*	6.4000
Arsenic, Total	ug/L	MW-12S	01/25/2017		18.1000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/23/2017		19.4000	*	6.4000
Arsenic, Total	ug/L	MW-12S	08/08/2017		16.2000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/30/2018		43.5000	*	6.4000
Arsenic, Total	ug/L	MW-12S	09/17/2018		38.2000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/16/2019		30.0000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/29/2020		64.7000	*	6.4000
Arsenic, Total	ug/L	MW-12S	11/05/2020		46.9000	*	6.4000
Arsenic, Total	ug/L	MW-12S	11/01/2021		43.4000	*	6.4000
Arsenic, Total	ug/L	MW-12S	05/06/2022		46.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	04/06/2016		365.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/25/2016		369.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	08/09/2016		376.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-13S	09/27/2016		416.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/29/2016		426.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	01/25/2017		397.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/23/2017		386.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	08/08/2017		371.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/30/2018		375.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	09/18/2018		320.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/15/2019		324.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/07/2019		352.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/19/2020		311.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/05/2020		433.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/06/2021		321.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/02/2021		368.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/04/2022		312.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/01/2022		298.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/26/2023		328.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	11/09/2023		288.0000	*	6.4000
Arsenic, Total	ug/L	MW-13S	05/03/2024		319.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	04/07/2016		89.1000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/26/2016		87.6000	*	6.4000
Arsenic, Total	ug/L	MW-14D	08/10/2016		86.5000	*	6.4000
Arsenic, Total	ug/L	MW-14D	09/28/2016		92.3000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/30/2016		103.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	01/26/2017		116.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/23/2017		124.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	08/09/2017		128.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/30/2018		147.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	09/17/2018		116.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/15/2019		108.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/07/2019		111.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-14D	05/26/2020		131.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/05/2020		105.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/05/2021		133.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/01/2021		113.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/11/2022		127.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/07/2022		109.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/18/2023		123.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	11/06/2023		112.0000	*	6.4000
Arsenic, Total	ug/L	MW-14D	05/08/2024		136.0000	*	6.4000
Arsenic, Total	ug/L	MW-2D	04/05/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	05/24/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	08/08/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	09/26/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	11/28/2016	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	01/24/2017	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	05/22/2017	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	08/07/2017	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	05/29/2018	ND	10.0000		6.4000
Arsenic, Total	ug/L	MW-2D	09/17/2018		1.8000		6.4000
Arsenic, Total	ug/L	MW-2D	05/15/2019		2.2000		6.4000
Arsenic, Total	ug/L	MW-2D	11/05/2019		3.1000		6.4000
Arsenic, Total	ug/L	MW-2D	05/19/2020		1.9000		6.4000
Arsenic, Total	ug/L	MW-2D	11/04/2020		3.8000		6.4000
Arsenic, Total	ug/L	MW-2D	05/03/2021		2.5000		6.4000
Arsenic, Total	ug/L	MW-2D	11/01/2021		3.8000		6.4000
Arsenic, Total	ug/L	MW-2D	05/04/2022		4.0000		6.4000
Arsenic, Total	ug/L	MW-2D	11/08/2022		5.9000		6.4000
Arsenic, Total	ug/L	MW-2D	05/23/2023		4.3000		6.4000
Arsenic, Total	ug/L	MW-2D	11/27/2023		6.5000	*	6.4000
Arsenic, Total	ug/L	MW-2D	05/09/2024		11.6000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	04/05/2016		26.5000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/24/2016		22.0000	*	6.4000
Arsenic, Total	ug/L	MW-2S	08/08/2016		27.3000	*	6.4000
Arsenic, Total	ug/L	MW-2S	09/26/2016		22.4000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/28/2016		21.7000	*	6.4000
Arsenic, Total	ug/L	MW-2S	01/24/2017		17.3000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/22/2017		27.0000	*	6.4000
Arsenic, Total	ug/L	MW-2S	08/07/2017		19.8000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/29/2018		18.4000	*	6.4000
Arsenic, Total	ug/L	MW-2S	09/17/2018		14.6000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/14/2019		12.5000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/05/2019		14.6000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/19/2020		9.0000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/04/2020		16.4000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/03/2021		6.9000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/01/2021		28.9000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/04/2022		8.8000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/08/2022		14.9000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/23/2023		7.9000	*	6.4000
Arsenic, Total	ug/L	MW-2S	11/27/2023		12.7000	*	6.4000
Arsenic, Total	ug/L	MW-2S	05/09/2024		8.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	04/06/2016		28.3000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/25/2016		23.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	08/09/2016		34.3000	*	6.4000
Arsenic, Total	ug/L	MW-6S	09/27/2016		30.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/29/2016		35.1000	*	6.4000
Arsenic, Total	ug/L	MW-6S	01/25/2017		11.6000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/23/2017		12.4000	*	6.4000
Arsenic, Total	ug/L	MW-6S	08/08/2017		11.2000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/30/2018		13.6000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-6S	09/18/2018		15.5000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/14/2019		11.4000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/28/2020		23.8000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/09/2020		39.2000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/05/2021		11.9000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/01/2021		11.8000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/04/2022		6.9000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/02/2022		13.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/25/2023		9.7000	*	6.4000
Arsenic, Total	ug/L	MW-6S	11/07/2023		17.0000	*	6.4000
Arsenic, Total	ug/L	MW-6S	05/10/2024		14.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	04/06/2016		320.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/25/2016		353.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	08/09/2016		365.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	09/27/2016		352.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/29/2016		372.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	01/25/2017		352.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/23/2017		373.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	08/08/2017		359.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/30/2018		383.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	09/18/2018		317.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/15/2019		345.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/06/2019		439.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/27/2020		367.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/17/2020		462.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/06/2021		419.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/02/2021		376.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/04/2022		374.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	11/02/2022		388.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/26/2023		385.0000	*	6.4000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-7S	11/09/2023		379.0000	*	6.4000
Arsenic, Total	ug/L	MW-7S	05/08/2024		309.0000	*	6.4000
Barium, Total	ug/L	MW-10S	04/06/2016		119.0000	*	77.1551
Barium, Total	ug/L	MW-10S	05/25/2016		62.7000		77.1551
Barium, Total	ug/L	MW-10S	08/09/2016		77.2000	*	77.1551
Barium, Total	ug/L	MW-10S	09/27/2016		72.6000		77.1551
Barium, Total	ug/L	MW-10S	11/29/2016		66.5000		77.1551
Barium, Total	ug/L	MW-10S	01/25/2017		77.0000		77.1551
Barium, Total	ug/L	MW-10S	05/23/2017		53.4000		77.1551
Barium, Total	ug/L	MW-10S	08/08/2017		71.4000		77.1551
Barium, Total	ug/L	MW-10S	05/30/2018		43.0000		77.1551
Barium, Total	ug/L	MW-10S	09/18/2018		54.2000		77.1551
Barium, Total	ug/L	MW-10S	05/16/2019		42.6000		77.1551
Barium, Total	ug/L	MW-10S	11/05/2019		51.1000		77.1551
Barium, Total	ug/L	MW-10S	05/19/2020		81.1000	*	77.1551
Barium, Total	ug/L	MW-10S	11/05/2020		46.8000		77.1551
Barium, Total	ug/L	MW-10S	05/06/2021		87.8000	*	77.1551
Barium, Total	ug/L	MW-10S	11/02/2021		73.3000		77.1551
Barium, Total	ug/L	MW-10S	05/02/2022		75.8000		77.1551
Barium, Total	ug/L	MW-10S	11/03/2022		72.4000		77.1551
Barium, Total	ug/L	MW-10S	05/25/2023		85.8000	*	77.1551
Barium, Total	ug/L	MW-10S	11/08/2023		53.7000		77.1551
Barium, Total	ug/L	MW-10S	05/21/2024		94.7000	*	77.1551
Barium, Total	ug/L	MW-11S	04/07/2016		111.0000	*	77.1551
Barium, Total	ug/L	MW-11S	05/26/2016		101.0000	*	77.1551
Barium, Total	ug/L	MW-11S	08/10/2016		89.5000	*	77.1551
Barium, Total	ug/L	MW-11S	09/28/2016		81.2000	*	77.1551
Barium, Total	ug/L	MW-11S	11/30/2016		161.0000	*	77.1551
Barium, Total	ug/L	MW-11S	01/26/2017		86.1000	*	77.1551
Barium, Total	ug/L	MW-11S	05/24/2017		79.7000	*	77.1551

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	08/09/2017		300.0000	*	77.1551
Barium, Total	ug/L	MW-11S	05/29/2018		168.0000	*	77.1551
Barium, Total	ug/L	MW-11S	09/14/2018		90.6000	*	77.1551
Barium, Total	ug/L	MW-11S	05/15/2019		81.1000	*	77.1551
Barium, Total	ug/L	MW-11S	11/07/2019		76.7000		77.1551
Barium, Total	ug/L	MW-11S	05/27/2020		304.0000	*	77.1551
Barium, Total	ug/L	MW-11S	11/05/2020		76.2000		77.1551
Barium, Total	ug/L	MW-11S	05/05/2021		75.1000		77.1551
Barium, Total	ug/L	MW-11S	11/01/2021		74.3000		77.1551
Barium, Total	ug/L	MW-11S	05/11/2022		175.0000	*	77.1551
Barium, Total	ug/L	MW-11S	11/08/2022		69.4000		77.1551
Barium, Total	ug/L	MW-11S	05/25/2023		74.3000		77.1551
Barium, Total	ug/L	MW-11S	11/08/2023		123.0000	*	77.1551
Barium, Total	ug/L	MW-11S	05/10/2024		79.9000	*	77.1551
Barium, Total	ug/L	MW-2S	04/05/2016		205.0000	*	77.1551
Barium, Total	ug/L	MW-2S	05/24/2016		158.0000	*	77.1551
Barium, Total	ug/L	MW-2S	08/08/2016		168.0000	*	77.1551
Barium, Total	ug/L	MW-2S	09/26/2016		180.0000	*	77.1551
Barium, Total	ug/L	MW-2S	11/28/2016		185.0000	*	77.1551
Barium, Total	ug/L	MW-2S	01/24/2017		97.4000	*	77.1551
Barium, Total	ug/L	MW-2S	05/22/2017		138.0000	*	77.1551
Barium, Total	ug/L	MW-2S	08/07/2017		127.0000	*	77.1551
Barium, Total	ug/L	MW-2S	05/29/2018		90.3000	*	77.1551
Barium, Total	ug/L	MW-2S	09/17/2018		86.0000	*	77.1551
Barium, Total	ug/L	MW-2S	05/14/2019		123.0000	*	77.1551
Barium, Total	ug/L	MW-2S	11/05/2019		195.0000	*	77.1551
Barium, Total	ug/L	MW-2S	05/19/2020		86.1000	*	77.1551
Barium, Total	ug/L	MW-2S	11/04/2020		137.0000	*	77.1551
Barium, Total	ug/L	MW-2S	05/03/2021		92.4000	*	77.1551
Barium, Total	ug/L	MW-2S	11/01/2021		103.0000	*	77.1551

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/04/2022		97.1000	*	77.1551
Barium, Total	ug/L	MW-2S	11/08/2022		230.0000	*	77.1551
Barium, Total	ug/L	MW-2S	05/23/2023		91.8000	*	77.1551
Barium, Total	ug/L	MW-2S	11/27/2023		121.0000	*	77.1551
Barium, Total	ug/L	MW-2S	05/09/2024		49.3000		77.1551
Barium, Total	ug/L	MW-4S	04/05/2016		117.0000	*	77.1551
Barium, Total	ug/L	MW-4S	05/25/2016		136.0000	*	77.1551
Barium, Total	ug/L	MW-4S	08/08/2016		140.0000	*	77.1551
Barium, Total	ug/L	MW-4S	09/26/2016		123.0000	*	77.1551
Barium, Total	ug/L	MW-4S	11/29/2016		128.0000	*	77.1551
Barium, Total	ug/L	MW-4S	01/24/2017		119.0000	*	77.1551
Barium, Total	ug/L	MW-4S	05/22/2017		70.3000		77.1551
Barium, Total	ug/L	MW-4S	08/07/2017		93.8000	*	77.1551
Barium, Total	ug/L	MW-4S	05/29/2018		49.4000		77.1551
Barium, Total	ug/L	MW-4S	09/14/2018		93.0000	*	77.1551
Barium, Total	ug/L	MW-4S	05/14/2019		60.0000		77.1551
Barium, Total	ug/L	MW-4S	06/05/2020		86.0000	*	77.1551
Barium, Total	ug/L	MW-4S	11/03/2020		113.0000	*	77.1551
Barium, Total	ug/L	MW-4S	11/01/2021		80.8000	*	77.1551
Barium, Total	ug/L	MW-4S	05/04/2022		90.7000	*	77.1551
Barium, Total	ug/L	MW-6S	04/06/2016		150.0000	*	77.1551
Barium, Total	ug/L	MW-6S	05/25/2016		112.0000	*	77.1551
Barium, Total	ug/L	MW-6S	08/09/2016		166.0000	*	77.1551
Barium, Total	ug/L	MW-6S	09/27/2016		160.0000	*	77.1551
Barium, Total	ug/L	MW-6S	11/29/2016		189.0000	*	77.1551
Barium, Total	ug/L	MW-6S	01/25/2017		105.0000	*	77.1551
Barium, Total	ug/L	MW-6S	05/23/2017		80.5000	*	77.1551
Barium, Total	ug/L	MW-6S	08/08/2017		80.6000	*	77.1551
Barium, Total	ug/L	MW-6S	05/30/2018		116.0000	*	77.1551
Barium, Total	ug/L	MW-6S	09/18/2018		132.0000	*	77.1551

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/14/2019		103.0000	*	77.1551
Barium, Total	ug/L	MW-6S	05/28/2020		141.0000	*	77.1551
Barium, Total	ug/L	MW-6S	11/09/2020		121.0000	*	77.1551
Barium, Total	ug/L	MW-6S	05/05/2021		113.0000	*	77.1551
Barium, Total	ug/L	MW-6S	11/01/2021		117.0000	*	77.1551
Barium, Total	ug/L	MW-6S	05/04/2022		132.0000	*	77.1551
Barium, Total	ug/L	MW-6S	11/02/2022		91.4000	*	77.1551
Barium, Total	ug/L	MW-6S	05/25/2023		94.8000	*	77.1551
Barium, Total	ug/L	MW-6S	11/07/2023		107.0000	*	77.1551
Barium, Total	ug/L	MW-6S	05/10/2024		80.7000	*	77.1551
Fluoride	mg/L	MW-10S	04/06/2016		3.5000	*	0.1400
Fluoride	mg/L	MW-10S	05/25/2016		3.0000	*	0.1400
Fluoride	mg/L	MW-10S	08/09/2016		2.2000	*	0.1400
Fluoride	mg/L	MW-10S	09/27/2016		2.6000	*	0.1400
Fluoride	mg/L	MW-10S	11/29/2016		3.1000	*	0.1400
Fluoride	mg/L	MW-10S	01/25/2017		2.7000	*	0.1400
Fluoride	mg/L	MW-10S	05/23/2017		2.4000	*	0.1400
Fluoride	mg/L	MW-10S	08/08/2017		2.1000	*	0.1400
Fluoride	mg/L	MW-10S	09/20/2017		1.8000	*	0.1400
Fluoride	mg/L	MW-10S	05/30/2018		2.2000	*	0.1400
Fluoride	mg/L	MW-10S	09/18/2018		2.7000	*	0.1400
Fluoride	mg/L	MW-10S	05/16/2019		2.5000	*	0.1400
Fluoride	mg/L	MW-10S	11/05/2019		2.1000	*	0.1400
Fluoride	mg/L	MW-10S	05/19/2020		2.0000	*	0.1400
Fluoride	mg/L	MW-10S	11/05/2020		2.4000	*	0.1400
Fluoride	mg/L	MW-10S	05/06/2021		2.5000	*	0.1400
Fluoride	mg/L	MW-10S	11/02/2021		2.5000	*	0.1400
Fluoride	mg/L	MW-10S	05/02/2022		2.6000	*	0.1400
Fluoride	mg/L	MW-10S	11/03/2022		3.0000	*	0.1400
Fluoride	mg/L	MW-10S	05/25/2023		2.7000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	11/08/2023		3.1000	*	0.1400
Fluoride	mg/L	MW-10S	05/21/2024		2.7000	*	0.1400
Fluoride	mg/L	MW-11S	04/07/2016		1.2000	*	0.1400
Fluoride	mg/L	MW-11S	05/26/2016		1.3000	*	0.1400
Fluoride	mg/L	MW-11S	08/10/2016		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	09/28/2016		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	11/30/2016		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	01/26/2017		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	05/24/2017		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	08/09/2017		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	09/20/2017		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	05/29/2018		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	09/14/2018		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	05/15/2019		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	11/07/2019		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	05/27/2020		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	11/05/2020		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	05/05/2021		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	11/01/2021		1.4000	*	0.1400
Fluoride	mg/L	MW-11S	05/11/2022		1.8000	*	0.1400
Fluoride	mg/L	MW-11S	11/08/2022		1.7000	*	0.1400
Fluoride	mg/L	MW-11S	05/25/2023		1.6000	*	0.1400
Fluoride	mg/L	MW-11S	11/08/2023		1.5000	*	0.1400
Fluoride	mg/L	MW-11S	05/10/2024		1.7000	*	0.1400
Fluoride	mg/L	MW-12S	04/06/2016		0.3500	*	0.1400
Fluoride	mg/L	MW-12S	05/25/2016		0.3700	*	0.1400
Fluoride	mg/L	MW-12S	08/09/2016		0.3800	*	0.1400
Fluoride	mg/L	MW-12S	09/27/2016		0.3800	*	0.1400
Fluoride	mg/L	MW-12S	11/29/2016		0.4200	*	0.1400
Fluoride	mg/L	MW-12S	01/25/2017		0.5200	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-12S	05/23/2017		0.5100	*	0.1400
Fluoride	mg/L	MW-12S	08/08/2017		0.5700	*	0.1400
Fluoride	mg/L	MW-12S	09/20/2017		0.7500	*	0.1400
Fluoride	mg/L	MW-12S	05/30/2018		1.8000	*	0.1400
Fluoride	mg/L	MW-12S	09/17/2018		1.7000	*	0.1400
Fluoride	mg/L	MW-12S	05/16/2019		1.5000	*	0.1400
Fluoride	mg/L	MW-12S	05/29/2020		1.8000	*	0.1400
Fluoride	mg/L	MW-12S	11/05/2020		1.8000	*	0.1400
Fluoride	mg/L	MW-12S	11/01/2021		1.8000	*	0.1400
Fluoride	mg/L	MW-12S	05/06/2022		2.1000	*	0.1400
Fluoride	mg/L	MW-13S	04/06/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-13S	05/25/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-13S	08/09/2016		0.4900	*	0.1400
Fluoride	mg/L	MW-13S	09/27/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-13S	11/29/2016		0.5500	*	0.1400
Fluoride	mg/L	MW-13S	01/25/2017		0.5700	*	0.1400
Fluoride	mg/L	MW-13S	05/23/2017		0.6300	*	0.1400
Fluoride	mg/L	MW-13S	08/08/2017		0.7200	*	0.1400
Fluoride	mg/L	MW-13S	09/20/2017		0.6500	*	0.1400
Fluoride	mg/L	MW-13S	05/30/2018		0.8600	*	0.1400
Fluoride	mg/L	MW-13S	09/18/2018		0.8800	*	0.1400
Fluoride	mg/L	MW-13S	05/15/2019		0.8300	*	0.1400
Fluoride	mg/L	MW-13S	11/07/2019		0.7800	*	0.1400
Fluoride	mg/L	MW-13S	05/19/2020		0.9300	*	0.1400
Fluoride	mg/L	MW-13S	11/05/2020		0.9400	*	0.1400
Fluoride	mg/L	MW-13S	05/06/2021		0.9200	*	0.1400
Fluoride	mg/L	MW-13S	11/02/2021		0.8300	*	0.1400
Fluoride	mg/L	MW-13S	05/04/2022		1.1000	*	0.1400
Fluoride	mg/L	MW-13S	11/01/2022		0.9300	*	0.1400
Fluoride	mg/L	MW-13S	05/26/2023		0.9000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-13S	11/09/2023		0.8000	*	0.1400
Fluoride	mg/L	MW-13S	05/03/2024		0.7800	*	0.1400
Fluoride	mg/L	MW-14D	04/07/2016		0.3700	*	0.1400
Fluoride	mg/L	MW-14D	05/26/2016		0.3600	*	0.1400
Fluoride	mg/L	MW-14D	08/10/2016		0.3600	*	0.1400
Fluoride	mg/L	MW-14D	09/28/2016		0.3700	*	0.1400
Fluoride	mg/L	MW-14D	11/30/2016		0.3900	*	0.1400
Fluoride	mg/L	MW-14D	01/26/2017		0.3100	*	0.1400
Fluoride	mg/L	MW-14D	05/23/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-14D	08/09/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-14D	09/20/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-14D	05/30/2018		0.3200	*	0.1400
Fluoride	mg/L	MW-14D	09/17/2018		0.2300	*	0.1400
Fluoride	mg/L	MW-14D	05/15/2019		0.2800	*	0.1400
Fluoride	mg/L	MW-14D	11/07/2019		0.2100	*	0.1400
Fluoride	mg/L	MW-14D	05/26/2020	ND	0.1000		0.1400
Fluoride	mg/L	MW-14D	11/05/2020		0.2600	*	0.1400
Fluoride	mg/L	MW-14D	05/05/2021	ND	0.1000		0.1400
Fluoride	mg/L	MW-14D	11/01/2021		0.2000	*	0.1400
Fluoride	mg/L	MW-14D	05/11/2022		0.3300	*	0.1400
Fluoride	mg/L	MW-14D	11/07/2022		0.2500	*	0.1400
Fluoride	mg/L	MW-14D	05/18/2023		0.2400	*	0.1400
Fluoride	mg/L	MW-14D	11/06/2023		0.2600	*	0.1400
Fluoride	mg/L	MW-14D	05/08/2024		0.2400	*	0.1400
Fluoride	mg/L	MW-1S	04/07/2016		0.5200	*	0.1400
Fluoride	mg/L	MW-1S	05/26/2016		0.5700	*	0.1400
Fluoride	mg/L	MW-1S	08/09/2016		0.4900	*	0.1400
Fluoride	mg/L	MW-1S	09/27/2016		0.5100	*	0.1400
Fluoride	mg/L	MW-1S	11/29/2016		0.5800	*	0.1400
Fluoride	mg/L	MW-1S	01/26/2017		0.6900	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	05/23/2017		0.6900	*	0.1400
Fluoride	mg/L	MW-1S	08/09/2017		0.7000	*	0.1400
Fluoride	mg/L	MW-1S	09/20/2017		0.6200	*	0.1400
Fluoride	mg/L	MW-1S	05/29/2018		0.6200	*	0.1400
Fluoride	mg/L	MW-1S	09/17/2018		0.6200	*	0.1400
Fluoride	mg/L	MW-1S	05/15/2019		0.5000	*	0.1400
Fluoride	mg/L	MW-1S	11/07/2019		0.4200	*	0.1400
Fluoride	mg/L	MW-1S	05/26/2020		0.3600	*	0.1400
Fluoride	mg/L	MW-1S	11/06/2020		0.3500	*	0.1400
Fluoride	mg/L	MW-1S	05/05/2021		0.2400	*	0.1400
Fluoride	mg/L	MW-1S	11/03/2021		0.3100	*	0.1400
Fluoride	mg/L	MW-1S	05/09/2022		0.4100	*	0.1400
Fluoride	mg/L	MW-1S	11/09/2022		0.4700	*	0.1400
Fluoride	mg/L	MW-1S	05/23/2023		0.4600	*	0.1400
Fluoride	mg/L	MW-1S	11/22/2023		0.3200	*	0.1400
Fluoride	mg/L	MW-1S	05/06/2024		0.3500	*	0.1400
Fluoride	mg/L	MW-2D	04/05/2016		2.1000	*	0.1400
Fluoride	mg/L	MW-2D	05/24/2016		2.2000	*	0.1400
Fluoride	mg/L	MW-2D	08/08/2016		2.2000	*	0.1400
Fluoride	mg/L	MW-2D	09/26/2016		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	11/28/2016		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	01/24/2017		2.4000	*	0.1400
Fluoride	mg/L	MW-2D	05/22/2017		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	08/07/2017		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	09/20/2017		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	05/29/2018		2.6000	*	0.1400
Fluoride	mg/L	MW-2D	09/17/2018		2.8000	*	0.1400
Fluoride	mg/L	MW-2D	05/15/2019		1.6000	*	0.1400
Fluoride	mg/L	MW-2D	11/05/2019		1.3000	*	0.1400
Fluoride	mg/L	MW-2D	05/19/2020		1.2000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	11/04/2020		1.0000	*	0.1400
Fluoride	mg/L	MW-2D	05/03/2021		0.8700	*	0.1400
Fluoride	mg/L	MW-2D	11/01/2021		0.8600	*	0.1400
Fluoride	mg/L	MW-2D	05/04/2022		0.9500	*	0.1400
Fluoride	mg/L	MW-2D	11/08/2022		0.9400	*	0.1400
Fluoride	mg/L	MW-2D	05/23/2023		0.7300	*	0.1400
Fluoride	mg/L	MW-2D	11/27/2023		0.6800	*	0.1400
Fluoride	mg/L	MW-2D	05/09/2024		0.7800	*	0.1400
Fluoride	mg/L	MW-2S	04/05/2016		0.8400	*	0.1400
Fluoride	mg/L	MW-2S	05/24/2016		1.1000	*	0.1400
Fluoride	mg/L	MW-2S	08/08/2016		1.2000	*	0.1400
Fluoride	mg/L	MW-2S	09/26/2016		1.8000	*	0.1400
Fluoride	mg/L	MW-2S	11/28/2016		1.3000	*	0.1400
Fluoride	mg/L	MW-2S	01/24/2017		2.4000	*	0.1400
Fluoride	mg/L	MW-2S	05/22/2017		1.4000	*	0.1400
Fluoride	mg/L	MW-2S	08/07/2017		1.8000	*	0.1400
Fluoride	mg/L	MW-2S	09/20/2017		1.6000	*	0.1400
Fluoride	mg/L	MW-2S	05/29/2018		1.1000	*	0.1400
Fluoride	mg/L	MW-2S	09/17/2018		1.8000	*	0.1400
Fluoride	mg/L	MW-2S	05/14/2019		0.9600	*	0.1400
Fluoride	mg/L	MW-2S	11/05/2019		0.7000	*	0.1400
Fluoride	mg/L	MW-2S	05/19/2020		0.5800	*	0.1400
Fluoride	mg/L	MW-2S	11/04/2020		0.2800	*	0.1400
Fluoride	mg/L	MW-2S	05/03/2021		0.4600	*	0.1400
Fluoride	mg/L	MW-2S	11/01/2021		0.5000	*	0.1400
Fluoride	mg/L	MW-2S	05/04/2022		0.3900	*	0.1400
Fluoride	mg/L	MW-2S	11/08/2022		0.2900	*	0.1400
Fluoride	mg/L	MW-2S	05/23/2023		0.3000	*	0.1400
Fluoride	mg/L	MW-2S	11/27/2023		0.2300	*	0.1400
Fluoride	mg/L	MW-2S	05/09/2024		0.5900	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	04/05/2016		1.9000	*	0.1400
Fluoride	mg/L	MW-3S	05/25/2016		1.8000	*	0.1400
Fluoride	mg/L	MW-3S	08/08/2016		1.4000	*	0.1400
Fluoride	mg/L	MW-3S	09/26/2016		1.0000	*	0.1400
Fluoride	mg/L	MW-3S	11/28/2016		1.3000	*	0.1400
Fluoride	mg/L	MW-3S	01/24/2017		1.2000	*	0.1400
Fluoride	mg/L	MW-3S	05/22/2017		0.7600	*	0.1400
Fluoride	mg/L	MW-3S	08/07/2017		0.8700	*	0.1400
Fluoride	mg/L	MW-3S	09/20/2017		0.7700	*	0.1400
Fluoride	mg/L	MW-3S	05/29/2018		0.5200	*	0.1400
Fluoride	mg/L	MW-3S	09/17/2018		0.3500	*	0.1400
Fluoride	mg/L	MW-3S	05/14/2019		0.2700	*	0.1400
Fluoride	mg/L	MW-3S	11/05/2019		0.2400	*	0.1400
Fluoride	mg/L	MW-3S	05/18/2020		0.2600	*	0.1400
Fluoride	mg/L	MW-3S	11/03/2020		0.2100	*	0.1400
Fluoride	mg/L	MW-3S	05/03/2021		0.1700	*	0.1400
Fluoride	mg/L	MW-3S	11/01/2021		0.1400		0.1400
Fluoride	mg/L	MW-3S	05/02/2022	ND	0.1000		0.1400
Fluoride	mg/L	MW-3S	01/19/2023		0.1900	*	0.1400
Fluoride	mg/L	MW-3S	03/24/2023		0.1700	*	0.1400
Fluoride	mg/L	MW-3S	05/18/2023		0.1700	*	0.1400
Fluoride	mg/L	MW-3S	05/07/2024		0.1300		0.1400
Fluoride	mg/L	MW-5S	04/06/2016		4.0000	*	0.1400
Fluoride	mg/L	MW-5S	05/25/2016		4.0000	*	0.1400
Fluoride	mg/L	MW-5S	08/09/2016		3.5000	*	0.1400
Fluoride	mg/L	MW-5S	09/27/2016		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	11/29/2016		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	01/25/2017		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	05/23/2017		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	08/08/2017		3.4000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-5S	09/20/2017		3.4000	*	0.1400
Fluoride	mg/L	MW-5S	05/30/2018		2.6000	*	0.1400
Fluoride	mg/L	MW-5S	09/18/2018		3.0000	*	0.1400
Fluoride	mg/L	MW-5S	05/14/2019		2.5000	*	0.1400
Fluoride	mg/L	MW-5S	05/18/2020		2.4000	*	0.1400
Fluoride	mg/L	MW-5S	11/05/2020		2.3000	*	0.1400
Fluoride	mg/L	MW-5S	05/06/2021		1.7000	*	0.1400
Fluoride	mg/L	MW-5S	11/01/2021		1.9000	*	0.1400
Fluoride	mg/L	MW-5S	05/04/2022		1.8000	*	0.1400
Fluoride	mg/L	MW-5S	11/11/2022		1.5000	*	0.1400
Fluoride	mg/L	MW-5S	05/18/2023		1.1000	*	0.1400
Fluoride	mg/L	MW-6S	04/06/2016		0.9300	*	0.1400
Fluoride	mg/L	MW-6S	05/25/2016		0.9400	*	0.1400
Fluoride	mg/L	MW-6S	08/09/2016		0.7600	*	0.1400
Fluoride	mg/L	MW-6S	09/27/2016		0.8400	*	0.1400
Fluoride	mg/L	MW-6S	11/29/2016		0.9100	*	0.1400
Fluoride	mg/L	MW-6S	01/25/2017		0.7400	*	0.1400
Fluoride	mg/L	MW-6S	05/23/2017		0.8300	*	0.1400
Fluoride	mg/L	MW-6S	08/08/2017		1.1000	*	0.1400
Fluoride	mg/L	MW-6S	09/20/2017		0.9300	*	0.1400
Fluoride	mg/L	MW-6S	05/30/2018		1.0000	*	0.1400
Fluoride	mg/L	MW-6S	09/18/2018		1.2000	*	0.1400
Fluoride	mg/L	MW-6S	05/14/2019		0.5500	*	0.1400
Fluoride	mg/L	MW-6S	05/28/2020		1.0000	*	0.1400
Fluoride	mg/L	MW-6S	11/09/2020		1.4000	*	0.1400
Fluoride	mg/L	MW-6S	05/05/2021		1.3000	*	0.1400
Fluoride	mg/L	MW-6S	11/01/2021		1.2000	*	0.1400
Fluoride	mg/L	MW-6S	05/04/2022		1.3000	*	0.1400
Fluoride	mg/L	MW-6S	11/02/2022		1.5000	*	0.1400
Fluoride	mg/L	MW-6S	05/25/2023		1.5000	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	11/07/2023		1.2000	*	0.1400
Fluoride	mg/L	MW-6S	05/10/2024		1.9000	*	0.1400
Fluoride	mg/L	MW-7S	04/06/2016		0.3400	*	0.1400
Fluoride	mg/L	MW-7S	05/25/2016		0.3800	*	0.1400
Fluoride	mg/L	MW-7S	08/09/2016		0.3400	*	0.1400
Fluoride	mg/L	MW-7S	09/27/2016		0.3600	*	0.1400
Fluoride	mg/L	MW-7S	11/29/2016		0.3600	*	0.1400
Fluoride	mg/L	MW-7S	01/25/2017		0.3400	*	0.1400
Fluoride	mg/L	MW-7S	05/23/2017		0.3700	*	0.1400
Fluoride	mg/L	MW-7S	08/08/2017		0.4100	*	0.1400
Fluoride	mg/L	MW-7S	09/20/2017		0.4000	*	0.1400
Fluoride	mg/L	MW-7S	05/30/2018		0.4200	*	0.1400
Fluoride	mg/L	MW-7S	09/18/2018		0.4500	*	0.1400
Fluoride	mg/L	MW-7S	05/15/2019		0.5000	*	0.1400
Fluoride	mg/L	MW-7S	11/06/2019		0.4600	*	0.1400
Fluoride	mg/L	MW-7S	05/27/2020		0.5700	*	0.1400
Fluoride	mg/L	MW-7S	11/17/2020		0.5400	*	0.1400
Fluoride	mg/L	MW-7S	05/06/2021		0.5100	*	0.1400
Fluoride	mg/L	MW-7S	11/02/2021		0.5000	*	0.1400
Fluoride	mg/L	MW-7S	05/04/2022		0.7200	*	0.1400
Fluoride	mg/L	MW-7S	11/02/2022		0.5800	*	0.1400
Fluoride	mg/L	MW-7S	05/26/2023		0.6200	*	0.1400
Fluoride	mg/L	MW-7S	11/09/2023		0.5800	*	0.1400
Fluoride	mg/L	MW-7S	05/08/2024		0.6100	*	0.1400
Fluoride	mg/L	MW-8S	04/07/2016		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	05/26/2016		0.2300	*	0.1400
Fluoride	mg/L	MW-8S	08/09/2016		0.2000	*	0.1400
Fluoride	mg/L	MW-8S	09/28/2016		0.2000	*	0.1400
Fluoride	mg/L	MW-8S	11/30/2016		0.2000	*	0.1400
Fluoride	mg/L	MW-8S	01/26/2017		0.1800	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-8S	05/23/2017		0.1600	*	0.1400
Fluoride	mg/L	MW-8S	08/09/2017		0.1600	*	0.1400
Fluoride	mg/L	MW-8S	09/20/2017		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	05/29/2018		0.1400		0.1400
Fluoride	mg/L	MW-8S	09/17/2018	ND	0.1000		0.1400
Fluoride	mg/L	MW-8S	05/15/2019		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	11/07/2019		0.1300		0.1400
Fluoride	mg/L	MW-8S	05/26/2020		0.1100		0.1400
Fluoride	mg/L	MW-8S	11/09/2020		0.1500	*	0.1400
Fluoride	mg/L	MW-8S	05/05/2021	ND	0.1000		0.1400
Fluoride	mg/L	MW-8S	11/04/2021		0.1200		0.1400
Fluoride	mg/L	MW-8S	05/13/2022	ND	0.1000		0.1400
Fluoride	mg/L	MW-8S	11/08/2022		0.1600	*	0.1400
Fluoride	mg/L	MW-8S	05/23/2023		0.1700	*	0.1400
Fluoride	mg/L	MW-8S	11/10/2023		0.1000		0.1400
Fluoride	mg/L	MW-8S	05/06/2024		0.1500	*	0.1400
Fluoride	mg/L	MW-9S	04/06/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	05/25/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	08/08/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	09/27/2016	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	11/28/2016		0.1500	*	0.1400
Fluoride	mg/L	MW-9S	01/25/2017		0.1000		0.1400
Fluoride	mg/L	MW-9S	05/23/2017	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	08/08/2017	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	09/20/2017	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	05/30/2018	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	09/17/2018	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	05/16/2019		0.1600	*	0.1400
Fluoride	mg/L	MW-9S	05/29/2020	ND	0.1000		0.1400
Fluoride	mg/L	MW-9S	11/09/2020		0.2100	*	0.1400

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-9SR	01/31/2023		0.5900	*	0.1400
Fluoride	mg/L	MW-9SR	05/24/2023		0.6100	*	0.1400
Lithium, Total	ug/L	MW-10S	04/06/2016		106.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2016		94.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/09/2016		98.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/27/2016		79.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/29/2016		96.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	01/25/2017		95.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/23/2017		72.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/08/2017		93.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/30/2018		57.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/18/2018		59.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/16/2019		69.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/05/2019		60.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/19/2020		75.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/05/2020		49.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/06/2021		45.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/02/2021		53.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/02/2022		40.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/03/2022		33.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2023		33.7000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/08/2023		33.4000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/21/2024		46.7000	*	20.0000
Lithium, Total	ug/L	MW-12S	04/06/2016		215.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/25/2016		196.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	08/09/2016		193.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/27/2016		176.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/29/2016		189.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	01/25/2017		158.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/23/2017		155.0000	*	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 C-7

Historical Downgradient 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	08/08/2017		160.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/30/2018		106.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	09/17/2018		116.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/16/2019		127.0000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/29/2020		97.5000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/05/2020		84.6000	*	20.0000
Lithium, Total	ug/L	MW-12S	11/01/2021		73.2000	*	20.0000
Lithium, Total	ug/L	MW-12S	05/06/2022		67.8000	*	20.0000
Lithium, Total	ug/L	MW-13S	04/06/2016		89.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/25/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	08/09/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	09/27/2016		119.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/29/2016		148.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	01/25/2017		143.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/23/2017		116.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	08/08/2017		107.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/30/2018		91.4000	*	20.0000
Lithium, Total	ug/L	MW-13S	09/18/2018		84.6000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/15/2019		99.7000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/07/2019		75.1000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/19/2020		83.6000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/05/2020		69.3000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/06/2021		62.5000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/02/2021		73.3000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/04/2022		62.2000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/01/2022		63.0000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/26/2023		58.4000	*	20.0000
Lithium, Total	ug/L	MW-13S	11/09/2023		57.1000	*	20.0000
Lithium, Total	ug/L	MW-13S	05/03/2024		60.4000	*	20.0000
Lithium, Total	ug/L	MW-14D	04/07/2016		526.0000	*	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 C-7

Historical Downgradient 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-14D	05/26/2016		620.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	08/10/2016		358.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	09/28/2016		355.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/30/2016		352.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	01/26/2017		520.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/23/2017		662.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	08/09/2017		541.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/30/2018		664.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	09/17/2018		610.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/15/2019		567.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/07/2019		479.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/26/2020		820.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/05/2020		445.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/05/2021		809.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/01/2021		751.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/11/2022		768.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/07/2022		545.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/18/2023		960.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	11/06/2023		666.0000	*	20.0000
Lithium, Total	ug/L	MW-14D	05/08/2024		587.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	04/05/2016		108.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/24/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/08/2016		103.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/26/2016		77.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/28/2016		91.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	01/24/2017		90.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/22/2017		73.3000	*	20.0000
Lithium, Total	ug/L	MW-2D	08/07/2017		87.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/29/2018		36.7000	*	20.0000
Lithium, Total	ug/L	MW-2D	09/17/2018		32.1000	*	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 C-7

Historical Downgradient 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	05/15/2019		45.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/05/2019		65.0000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/19/2020		42.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/04/2020		55.4000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/03/2021		40.3000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/01/2021		56.1000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/04/2022		49.4000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/08/2022		54.8000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/23/2023		50.1000	*	20.0000
Lithium, Total	ug/L	MW-2D	11/27/2023		45.2000	*	20.0000
Lithium, Total	ug/L	MW-2D	05/09/2024		34.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	04/05/2016		112.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/24/2016		87.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/08/2016		87.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/26/2016		71.9000	*	20.0000
Lithium, Total	ug/L	MW-2S	11/28/2016		88.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	01/24/2017		72.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/22/2017		60.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	08/07/2017		75.2000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/29/2018		25.7000	*	20.0000
Lithium, Total	ug/L	MW-2S	09/17/2018		25.1000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/14/2019	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/05/2019		26.1000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/19/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/04/2020		23.0000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/03/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/01/2021	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	05/04/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-2S	11/08/2022		21.6000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/23/2023	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 C-7

Historical Downgradient 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	11/27/2023		32.3000	*	20.0000
Lithium, Total	ug/L	MW-2S	05/09/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	04/05/2016		23.9000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/25/2016		21.5000	*	20.0000
Lithium, Total	ug/L	MW-4S	08/08/2016		20.7000	*	20.0000
Lithium, Total	ug/L	MW-4S	09/26/2016	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	11/29/2016		25.4000	*	20.0000
Lithium, Total	ug/L	MW-4S	01/24/2017		20.9000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/22/2017	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	08/07/2017		22.2000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/29/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	09/14/2018	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	05/14/2019	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	06/05/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	11/03/2020	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-4S	11/01/2021		23.4000	*	20.0000
Lithium, Total	ug/L	MW-4S	05/04/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-5S	04/06/2016		89.6000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/25/2016		78.3000	*	20.0000
Lithium, Total	ug/L	MW-5S	08/09/2016		75.3000	*	20.0000
Lithium, Total	ug/L	MW-5S	09/27/2016		76.3000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/29/2016		94.6000	*	20.0000
Lithium, Total	ug/L	MW-5S	01/25/2017		85.7000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/23/2017		57.4000	*	20.0000
Lithium, Total	ug/L	MW-5S	08/08/2017		63.9000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/30/2018		57.5000	*	20.0000
Lithium, Total	ug/L	MW-5S	09/18/2018		52.8000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/14/2019		59.9000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/18/2020		54.9000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/05/2020		41.7000	*	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 C-7

Historical Downgradient 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-5S	05/06/2021		42.2000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/01/2021		46.2000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/04/2022		46.5000	*	20.0000
Lithium, Total	ug/L	MW-5S	11/11/2022		44.7000	*	20.0000
Lithium, Total	ug/L	MW-5S	05/18/2023		47.9000	*	20.0000
Lithium, Total	ug/L	MW-6S	04/06/2016		112.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/25/2016		99.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/09/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/27/2016		89.1000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/29/2016		101.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	01/25/2017		114.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/23/2017		99.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	08/08/2017		86.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/30/2018		75.8000	*	20.0000
Lithium, Total	ug/L	MW-6S	09/18/2018		58.4000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/14/2019		117.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/28/2020		84.5000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/09/2020		61.9000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/05/2021		62.6000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/01/2021		73.0000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/04/2022		71.2000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/02/2022		48.7000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/25/2023		48.8000	*	20.0000
Lithium, Total	ug/L	MW-6S	11/07/2023		56.9000	*	20.0000
Lithium, Total	ug/L	MW-6S	05/10/2024		48.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	04/06/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/25/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/09/2016		109.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/27/2016		101.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/29/2016		128.0000	*	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 C-7

Historical Downgradient 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	01/25/2017		145.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/23/2017		135.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	08/08/2017		131.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/30/2018		103.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	09/18/2018		94.3000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/15/2019		106.0000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/06/2019		89.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/27/2020		87.1000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/17/2020		86.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/06/2021		81.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/02/2021		85.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/04/2022		86.7000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/02/2022		86.8000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/26/2023		79.2000	*	20.0000
Lithium, Total	ug/L	MW-7S	11/09/2023		73.5000	*	20.0000
Lithium, Total	ug/L	MW-7S	05/08/2024		83.3000	*	20.0000
Lithium, Total	ug/L	MW-8S	04/07/2016		182.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/26/2016		135.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	08/09/2016		204.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	09/28/2016		184.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/30/2016		184.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	01/26/2017		155.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/23/2017		94.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	08/09/2017		73.8000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/29/2018		132.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	09/17/2018		147.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/15/2019		124.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/07/2019		174.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/26/2020		124.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/09/2020		188.0000	*	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 C-7

Historical Downgradient 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-8S	05/05/2021		123.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/04/2021		137.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/13/2022		101.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/08/2022		169.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/23/2023		118.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	11/10/2023		137.0000	*	20.0000
Lithium, Total	ug/L	MW-8S	05/06/2024		78.9000	*	20.0000
Lithium, Total	ug/L	MW-9S	04/06/2016		126.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/25/2016		110.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	08/08/2016		103.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	09/27/2016		84.9000	*	20.0000
Lithium, Total	ug/L	MW-9S	11/28/2016		116.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	01/25/2017		114.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/23/2017		86.7000	*	20.0000
Lithium, Total	ug/L	MW-9S	08/08/2017		90.6000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/30/2018		93.3000	*	20.0000
Lithium, Total	ug/L	MW-9S	09/17/2018		89.4000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/16/2019		70.3000	*	20.0000
Lithium, Total	ug/L	MW-9S	05/29/2020		86.0000	*	20.0000
Lithium, Total	ug/L	MW-9S	11/09/2020		72.7000	*	20.0000
Lithium, Total	ug/L	MW-9SR	01/31/2023		93.6000	*	20.0000
Lithium, Total	ug/L	MW-9SR	05/24/2023		61.5000	*	20.0000
Molybdenum, Total	ug/L	MW-10S	04/06/2016		324.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2016		299.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/09/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/27/2016		247.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/29/2016		241.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	01/25/2017		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/23/2017		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/08/2017		166.0000	*	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 C-7

Historical Downgradient 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	05/30/2018		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/18/2018		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/16/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/19/2020		82.7000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2020		77.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/06/2021		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/02/2021		71.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/02/2022		65.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/03/2022		69.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2023		60.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/08/2023		162.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/21/2024		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	04/07/2016		77.3000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/26/2016		81.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/10/2016		82.0000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	09/28/2016		80.7000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/30/2016		82.9000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	01/26/2017		83.4000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/24/2017		78.7000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	08/09/2017		73.5000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/29/2018		73.3000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	09/14/2018		74.4000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/15/2019		73.2000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/07/2019		75.9000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/27/2020		83.3000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/05/2020		80.6000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/05/2021		77.6000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/01/2021		76.1000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/11/2022		82.5000	*	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 C-7

Historical Downgradient 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-11S	11/08/2022		73.8000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/25/2023		77.9000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	11/08/2023		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-11S	05/10/2024		67.4000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	04/06/2016		256.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/25/2016		274.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/09/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	09/27/2016		265.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/29/2016		269.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	01/25/2017		227.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/23/2017		273.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	08/08/2017		283.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/30/2018		287.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	09/17/2018		294.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/16/2019		241.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/29/2020		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/05/2020		196.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	11/01/2021		144.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12S	05/06/2022		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	04/06/2016		577.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/25/2016		563.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	08/09/2016		552.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	09/27/2016		517.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/29/2016		517.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	01/25/2017		481.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/23/2017		508.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	08/08/2017		511.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/30/2018		720.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	09/18/2018		770.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/15/2019		782.0000	*	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 C-7

Historical Downgradient 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-13S	11/07/2019		809.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/19/2020		746.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/05/2020		722.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/06/2021		692.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/02/2021		553.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/04/2022		557.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/01/2022		544.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/26/2023		480.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	11/09/2023		350.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13S	05/03/2024		342.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	04/07/2016		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/26/2016		187.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	08/10/2016		254.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	09/28/2016		242.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/30/2016		245.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	01/26/2017		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/23/2017		224.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	08/09/2017		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/30/2018		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	09/17/2018		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/15/2019		188.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/07/2019		267.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/26/2020		187.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/05/2020		259.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/05/2021		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/01/2021		257.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/11/2022		203.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/07/2022		263.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	05/18/2023		216.0000	*	10.0000
Molybdenum, Total	ug/L	MW-14D	11/06/2023		222.0000	*	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 C-7

Historical Downgradient 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-14D	05/08/2024		198.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	04/07/2016		456.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/26/2016		309.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/09/2016		199.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/27/2016		167.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/29/2016		151.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	01/26/2017		247.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/23/2017		106.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	08/09/2017		88.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/29/2018		57.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	09/17/2018		51.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/15/2019		50.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/07/2019		28.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/26/2020		37.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/06/2020		25.4000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/05/2021		24.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/03/2021		28.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/09/2022		25.9000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/09/2022		18.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/23/2023		21.1000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	11/22/2023		19.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1S	05/06/2024		21.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	04/05/2016		289.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/24/2016		286.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/08/2016		273.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/26/2016		256.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/28/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	01/24/2017		262.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/22/2017		263.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	08/07/2017		241.0000	*	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 C-7

Historical Downgradient 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-2D	05/29/2018		250.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	09/17/2018		194.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/15/2019		106.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/05/2019		79.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/19/2020		89.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/04/2020		76.9000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/03/2021		56.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/01/2021		56.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/04/2022		52.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/08/2022		82.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/23/2023		65.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	11/27/2023		68.1000	*	10.0000
Molybdenum, Total	ug/L	MW-2D	05/09/2024		63.6000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	04/05/2016		458.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/24/2016		352.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/08/2016		248.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/26/2016		179.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/28/2016		190.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	01/24/2017		214.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/22/2017		135.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	08/07/2017		141.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/29/2018		78.3000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	09/17/2018		85.2000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/14/2019		36.7000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/05/2019		31.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/19/2020		27.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/04/2020		36.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/03/2021		35.0000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/01/2021		38.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/04/2022		15.5000	*	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 C-7

Historical Downgradient 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	11/08/2022		20.4000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/23/2023		18.8000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	11/27/2023		27.5000	*	10.0000
Molybdenum, Total	ug/L	MW-2S	05/09/2024		57.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	04/05/2016		139.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/25/2016		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/08/2016		97.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/26/2016		77.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/28/2016		98.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	01/24/2017		88.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/22/2017		63.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	08/07/2017		64.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/29/2018		78.8000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	09/17/2018		52.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/14/2019		43.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/05/2019		41.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/18/2020		49.2000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/03/2020		40.6000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/03/2021		36.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	11/01/2021		46.7000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/02/2022		32.9000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	01/19/2023		27.1000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	03/24/2023		27.4000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/18/2023		27.3000	*	10.0000
Molybdenum, Total	ug/L	MW-3S	05/07/2024		22.9000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	04/06/2016		251.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/25/2016		266.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	08/09/2016		266.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	09/27/2016		275.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	11/29/2016		321.0000	*	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 C-7

Historical Downgradient 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-5S	01/25/2017		313.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/23/2017		319.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	08/08/2017		307.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/30/2018		265.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	09/18/2018		254.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/14/2019		231.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/18/2020		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	11/05/2020		182.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/06/2021		131.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	11/01/2021		152.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/04/2022		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	11/11/2022		92.1000	*	10.0000
Molybdenum, Total	ug/L	MW-5S	05/18/2023		56.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	04/06/2016		309.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/25/2016		261.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/09/2016		240.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/27/2016		226.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/29/2016		243.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	01/25/2017		166.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/23/2017		142.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	08/08/2017		185.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/30/2018		150.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	09/18/2018		157.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/14/2019		65.6000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/28/2020		146.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/09/2020		211.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/05/2021		216.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/01/2021		186.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/04/2022		150.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/02/2022		211.0000	*	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 C-7

Historical Downgradient 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-6S	05/25/2023		203.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	11/07/2023		215.0000	*	10.0000
Molybdenum, Total	ug/L	MW-6S	05/10/2024		229.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	04/06/2016		435.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/25/2016		448.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/09/2016		477.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/27/2016		468.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/29/2016		486.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	01/25/2017		439.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/23/2017		429.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	08/08/2017		425.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/30/2018		528.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	09/18/2018		518.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/15/2019		575.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/06/2019		608.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/27/2020		705.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/17/2020		681.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/06/2021		676.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/02/2021		625.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/04/2022		582.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/02/2022		605.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/26/2023		514.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	11/09/2023		457.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7S	05/08/2024		391.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	04/07/2016		258.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/26/2016		210.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	08/09/2016		329.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	09/28/2016		331.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/30/2016		389.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	01/26/2017		294.0000	*	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 C-7

Historical Downgradient 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-8S	05/23/2017		208.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	08/09/2017		150.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/29/2018		419.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	09/17/2018		311.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/15/2019		329.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/07/2019		530.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/26/2020		306.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/09/2020		532.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/05/2021		354.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/04/2021		270.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/13/2022		165.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/08/2022		386.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/23/2023		261.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	11/10/2023		253.0000	*	10.0000
Molybdenum, Total	ug/L	MW-8S	05/06/2024		209.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	04/06/2016		519.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/25/2016		438.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	08/08/2016		374.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	09/27/2016		344.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	11/28/2016		368.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	01/25/2017		290.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/23/2017		217.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	08/08/2017		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/30/2018		116.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	09/17/2018		98.4000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/16/2019		118.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	05/29/2020		93.9000	*	10.0000
Molybdenum, Total	ug/L	MW-9S	11/09/2020		201.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9SR	01/31/2023		238.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9SR	05/24/2023		226.0000	*	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 C-7

Historical Downgradient 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	04/06/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/25/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	08/09/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	09/27/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	11/29/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	01/25/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/23/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	08/08/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/30/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-12S	09/17/2018	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	05/16/2019		1.4000	*	1.3000
Selenium, Total	ug/L	MW-12S	05/29/2020	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	11/05/2020	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-12S	11/01/2021		10.7000	*	1.3000
Selenium, Total	ug/L	MW-12S	05/06/2022		26.3000	*	1.3000
Selenium, Total	ug/L	MW-3S	04/05/2016		11.1000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/25/2016		10.7000	*	1.3000
Selenium, Total	ug/L	MW-3S	08/08/2016		15.0000	*	1.3000
Selenium, Total	ug/L	MW-3S	09/26/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	11/28/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	01/24/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/22/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	08/07/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/29/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-3S	09/17/2018		3.4000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/14/2019		16.5000	*	1.3000
Selenium, Total	ug/L	MW-3S	11/05/2019	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-3S	05/18/2020		8.2000	*	1.3000
Selenium, Total	ug/L	MW-3S	11/03/2020		1.5000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/03/2021		9.5000	*	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 C-7

Historical Downgradient 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-3S	11/01/2021		3.6000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/02/2022		26.4000	*	1.3000
Selenium, Total	ug/L	MW-3S	01/19/2023		1.8000	*	1.3000
Selenium, Total	ug/L	MW-3S	03/24/2023		4.8000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/18/2023		8.6000	*	1.3000
Selenium, Total	ug/L	MW-3S	05/07/2024		42.8000	*	1.3000
Selenium, Total	ug/L	MW-4S	04/05/2016		50.8000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/25/2016		31.5000	*	1.3000
Selenium, Total	ug/L	MW-4S	08/08/2016		35.6000	*	1.3000
Selenium, Total	ug/L	MW-4S	09/26/2016		13.4000	*	1.3000
Selenium, Total	ug/L	MW-4S	11/29/2016		39.0000	*	1.3000
Selenium, Total	ug/L	MW-4S	01/24/2017		19.6000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/22/2017		20.5000	*	1.3000
Selenium, Total	ug/L	MW-4S	08/07/2017		19.9000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/29/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-4S	09/14/2018		33.8000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/14/2019		16.1000	*	1.3000
Selenium, Total	ug/L	MW-4S	06/05/2020		12.4000	*	1.3000
Selenium, Total	ug/L	MW-4S	11/03/2020		41.4000	*	1.3000
Selenium, Total	ug/L	MW-4S	11/01/2021		20.3000	*	1.3000
Selenium, Total	ug/L	MW-4S	05/04/2022		119.0000	*	1.3000
Selenium, Total	ug/L	MW-4SR	12/08/2022		6.1000	*	1.3000
Selenium, Total	ug/L	MW-4SR	01/19/2023		7.4000	*	1.3000
Selenium, Total	ug/L	MW-4SR	03/23/2023		2.4000	*	1.3000
Selenium, Total	ug/L	MW-4SR	05/24/2023		3.7000	*	1.3000
Selenium, Total	ug/L	MW-6S	04/06/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/25/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	08/09/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	09/27/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	11/29/2016	ND	10.0000		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 C-7

Historical Downgradient 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	01/25/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/23/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	08/08/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/30/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-6S	09/18/2018		2.0000	*	1.3000
Selenium, Total	ug/L	MW-6S	05/14/2019		1.7000	*	1.3000
Selenium, Total	ug/L	MW-6S	05/28/2020		3.7000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/09/2020	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/05/2021		3.9000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/01/2021		6.0000	*	1.3000
Selenium, Total	ug/L	MW-6S	05/04/2022		4.4000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/02/2022	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/25/2023		8.9000	*	1.3000
Selenium, Total	ug/L	MW-6S	11/07/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-6S	05/10/2024		5.4000	*	1.3000
Selenium, Total	ug/L	MW-8S	04/07/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/26/2016		11.0000	*	1.3000
Selenium, Total	ug/L	MW-8S	08/09/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	09/28/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	11/30/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	01/26/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/23/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	08/09/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/29/2018	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-8S	09/17/2018	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/15/2019		1.6000	*	1.3000
Selenium, Total	ug/L	MW-8S	11/07/2019	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/26/2020		2.4000	*	1.3000
Selenium, Total	ug/L	MW-8S	11/09/2020	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/05/2021		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 C-7

Historical Downgradient 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	11/04/2021		1.3000		1.3000
Selenium, Total	ug/L	MW-8S	05/13/2022		5.2000	*	1.3000
Selenium, Total	ug/L	MW-8S	11/08/2022	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/23/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	11/10/2023	ND	1.0000		1.3000
Selenium, Total	ug/L	MW-8S	05/06/2024		3.2000	*	1.3000
Selenium, Total	ug/L	MW-9S	04/06/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	05/25/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	08/08/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	09/27/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	11/28/2016	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	01/25/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	05/23/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	08/08/2017	ND	10.0000		1.3000
Selenium, Total	ug/L	MW-9S	05/30/2018		146.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	09/17/2018		66.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	05/16/2019		2.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	05/29/2020		120.0000	*	1.3000
Selenium, Total	ug/L	MW-9S	11/09/2020		15.9000	*	1.3000
Selenium, Total	ug/L	MW-9SR	01/31/2023		1.2000		1.3000
Selenium, Total	ug/L	MW-9SR	05/24/2023		28.4000	*	1.3000
Total Radium	pCi/L	MW-14D	04/07/2016		2.2400	*	1.3200
Total Radium	pCi/L	MW-14D	05/26/2016		2.1900	*	1.3200
Total Radium	pCi/L	MW-14D	08/10/2016		2.2600	*	1.3200
Total Radium	pCi/L	MW-14D	09/28/2016		2.0900	*	1.3200
Total Radium	pCi/L	MW-14D	11/30/2016		1.2200		1.3200
Total Radium	pCi/L	MW-14D	01/26/2017		1.1300		1.3200
Total Radium	pCi/L	MW-14D	05/23/2017		1.2600		1.3200
Total Radium	pCi/L	MW-14D	08/09/2017		1.9000	*	1.3200
Total Radium	pCi/L	MW-14D	05/30/2018		2.4200	*	1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-14D	09/17/2018		1.4600	*	1.3200
Total Radium	pCi/L	MW-14D	05/15/2019		1.3300	*	1.3200
Total Radium	pCi/L	MW-14D	11/07/2019		1.7300	*	1.3200
Total Radium	pCi/L	MW-14D	05/26/2020		1.9000	*	1.3200
Total Radium	pCi/L	MW-14D	11/05/2020		1.6300	*	1.3200
Total Radium	pCi/L	MW-14D	05/05/2021		2.0700	*	1.3200
Total Radium	pCi/L	MW-14D	11/01/2021		1.4900	*	1.3200
Total Radium	pCi/L	MW-14D	05/11/2022		1.0300		1.3200
Total Radium	pCi/L	MW-14D	11/07/2022		1.1200		1.3200
Total Radium	pCi/L	MW-14D	05/18/2023		1.6000	*	1.3200
Total Radium	pCi/L	MW-14D	11/06/2023		1.9900	*	1.3200
Total Radium	pCi/L	MW-14D	05/08/2024		1.0500		1.3200
Total Radium	pCi/L	MW-1S	04/07/2016		2.0400	*	1.3200
Total Radium	pCi/L	MW-1S	05/26/2016		1.5300	*	1.3200
Total Radium	pCi/L	MW-1S	08/09/2016		4.2400	*	1.3200
Total Radium	pCi/L	MW-1S	09/27/2016		1.7500	*	1.3200
Total Radium	pCi/L	MW-1S	11/29/2016		1.3400	*	1.3200
Total Radium	pCi/L	MW-1S	01/26/2017		2.1400	*	1.3200
Total Radium	pCi/L	MW-1S	05/23/2017		2.4100	*	1.3200
Total Radium	pCi/L	MW-1S	08/09/2017		1.2400		1.3200
Total Radium	pCi/L	MW-1S	05/29/2018		4.8400	*	1.3200
Total Radium	pCi/L	MW-1S	09/17/2018		2.2700	*	1.3200
Total Radium	pCi/L	MW-1S	05/15/2019		1.7600	*	1.3200
Total Radium	pCi/L	MW-1S	11/07/2019		5.3800	*	1.3200
Total Radium	pCi/L	MW-1S	05/26/2020		0.9380		1.3200
Total Radium	pCi/L	MW-1S	11/06/2020		3.0800	*	1.3200
Total Radium	pCi/L	MW-1S	05/05/2021		3.5400	*	1.3200
Total Radium	pCi/L	MW-1S	11/03/2021		1.1100		1.3200
Total Radium	pCi/L	MW-1S	05/09/2022		0.9560		1.3200
Total Radium	pCi/L	MW-1S	11/09/2022		1.9500	*	1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-1S	05/23/2023		1.2100		1.3200
Total Radium	pCi/L	MW-1S	11/22/2023		1.6300	*	1.3200
Total Radium	pCi/L	MW-1S	05/06/2024		2.0100	*	1.3200
Total Radium	pCi/L	MW-2D	04/05/2016		1.4500	*	1.3200
Total Radium	pCi/L	MW-2D	05/24/2016		1.5300	*	1.3200
Total Radium	pCi/L	MW-2D	08/08/2016		1.1600		1.3200
Total Radium	pCi/L	MW-2D	09/26/2016		1.6300	*	1.3200
Total Radium	pCi/L	MW-2D	11/28/2016		0.7300		1.3200
Total Radium	pCi/L	MW-2D	01/24/2017		1.2900		1.3200
Total Radium	pCi/L	MW-2D	05/22/2017		1.4200	*	1.3200
Total Radium	pCi/L	MW-2D	08/07/2017		1.3700	*	1.3200
Total Radium	pCi/L	MW-2D	05/29/2018	ND	1.9000		1.3200
Total Radium	pCi/L	MW-2D	09/17/2018		1.8800	*	1.3200
Total Radium	pCi/L	MW-2D	05/15/2019		1.8900	*	1.3200
Total Radium	pCi/L	MW-2D	11/05/2019		3.1500	*	1.3200
Total Radium	pCi/L	MW-2D	05/19/2020		1.8200	*	1.3200
Total Radium	pCi/L	MW-2D	11/04/2020		3.9600	*	1.3200
Total Radium	pCi/L	MW-2D	05/03/2021		1.8400	*	1.3200
Total Radium	pCi/L	MW-2D	11/01/2021		1.5800	*	1.3200
Total Radium	pCi/L	MW-2D	05/04/2022		1.8800	*	1.3200
Total Radium	pCi/L	MW-2D	11/08/2022		2.0400	*	1.3200
Total Radium	pCi/L	MW-2D	05/23/2023		1.7300	*	1.3200
Total Radium	pCi/L	MW-2D	11/27/2023		1.5300	*	1.3200
Total Radium	pCi/L	MW-2D	05/09/2024		1.1700		1.3200
Total Radium	pCi/L	MW-2S	04/05/2016		1.6900	*	1.3200
Total Radium	pCi/L	MW-2S	05/24/2016		2.2300	*	1.3200
Total Radium	pCi/L	MW-2S	08/08/2016		1.2300		1.3200
Total Radium	pCi/L	MW-2S	09/26/2016		0.9650		1.3200
Total Radium	pCi/L	MW-2S	11/28/2016		2.4400	*	1.3200
Total Radium	pCi/L	MW-2S	01/24/2017		0.9750		1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-2S	05/22/2017		1.5000	*	1.3200
Total Radium	pCi/L	MW-2S	08/07/2017		1.3000		1.3200
Total Radium	pCi/L	MW-2S	05/29/2018		1.3800	*	1.3200
Total Radium	pCi/L	MW-2S	09/17/2018		1.1400		1.3200
Total Radium	pCi/L	MW-2S	05/14/2019		2.1200	*	1.3200
Total Radium	pCi/L	MW-2S	11/05/2019		2.6900	*	1.3200
Total Radium	pCi/L	MW-2S	05/19/2020		1.3600	*	1.3200
Total Radium	pCi/L	MW-2S	11/04/2020		4.4600	*	1.3200
Total Radium	pCi/L	MW-2S	05/03/2021		0.8270		1.3200
Total Radium	pCi/L	MW-2S	11/01/2021		2.2300	*	1.3200
Total Radium	pCi/L	MW-2S	05/04/2022		1.6700	*	1.3200
Total Radium	pCi/L	MW-2S	11/08/2022		3.0600	*	1.3200
Total Radium	pCi/L	MW-2S	05/23/2023		1.2800		1.3200
Total Radium	pCi/L	MW-2S	11/27/2023		2.4700	*	1.3200
Total Radium	pCi/L	MW-2S	05/09/2024	ND	2.3100		1.3200
Total Radium	pCi/L	MW-5S	04/06/2016		1.4400	*	1.3200
Total Radium	pCi/L	MW-5S	05/25/2016		1.0900		1.3200
Total Radium	pCi/L	MW-5S	08/09/2016		1.2700		1.3200
Total Radium	pCi/L	MW-5S	09/27/2016		2.2900	*	1.3200
Total Radium	pCi/L	MW-5S	11/29/2016		1.2900		1.3200
Total Radium	pCi/L	MW-5S	01/25/2017		1.6300	*	1.3200
Total Radium	pCi/L	MW-5S	05/23/2017		1.3500	*	1.3200
Total Radium	pCi/L	MW-5S	08/08/2017		1.0300		1.3200
Total Radium	pCi/L	MW-5S	05/30/2018		1.3700	*	1.3200
Total Radium	pCi/L	MW-5S	09/18/2018		1.6700	*	1.3200
Total Radium	pCi/L	MW-5S	05/14/2019		1.4900	*	1.3200
Total Radium	pCi/L	MW-5S	05/18/2020		0.8640		1.3200
Total Radium	pCi/L	MW-5S	11/05/2020		1.1700		1.3200
Total Radium	pCi/L	MW-5S	05/06/2021		1.1800		1.3200
Total Radium	pCi/L	MW-5S	11/01/2021		1.0200		1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-5S	05/04/2022		1.0100		1.3200
Total Radium	pCi/L	MW-5S	11/11/2022		1.3400	*	1.3200
Total Radium	pCi/L	MW-5S	05/18/2023		2.1700	*	1.3200
Total Radium	pCi/L	MW-7S	04/06/2016		0.9380		1.3200
Total Radium	pCi/L	MW-7S	05/25/2016		1.4600	*	1.3200
Total Radium	pCi/L	MW-7S	08/09/2016		0.7780		1.3200
Total Radium	pCi/L	MW-7S	09/27/2016		1.9900	*	1.3200
Total Radium	pCi/L	MW-7S	11/29/2016		1.6300	*	1.3200
Total Radium	pCi/L	MW-7S	01/25/2017	ND	2.3200		1.3200
Total Radium	pCi/L	MW-7S	05/23/2017		2.2700	*	1.3200
Total Radium	pCi/L	MW-7S	08/08/2017		1.4800	*	1.3200
Total Radium	pCi/L	MW-7S	05/30/2018		1.1600		1.3200
Total Radium	pCi/L	MW-7S	09/18/2018		1.9800	*	1.3200
Total Radium	pCi/L	MW-7S	05/15/2019		1.8300	*	1.3200
Total Radium	pCi/L	MW-7S	11/06/2019		1.8700	*	1.3200
Total Radium	pCi/L	MW-7S	05/27/2020		0.9290		1.3200
Total Radium	pCi/L	MW-7S	11/17/2020		1.3700	*	1.3200
Total Radium	pCi/L	MW-7S	05/06/2021		1.5300	*	1.3200
Total Radium	pCi/L	MW-7S	11/02/2021	ND	2.1100		1.3200
Total Radium	pCi/L	MW-7S	05/04/2022		0.7890		1.3200
Total Radium	pCi/L	MW-7S	11/02/2022		1.3000		1.3200
Total Radium	pCi/L	MW-7S	05/26/2023		0.9230		1.3200
Total Radium	pCi/L	MW-7S	11/09/2023		1.2600		1.3200
Total Radium	pCi/L	MW-7S	05/08/2024		1.3500	*	1.3200
Total Radium	pCi/L	MW-9S	04/06/2016		0.9460		1.3200
Total Radium	pCi/L	MW-9S	05/25/2016		0.9220		1.3200
Total Radium	pCi/L	MW-9S	08/08/2016	ND	1.5300		1.3200
Total Radium	pCi/L	MW-9S	09/27/2016		1.0400		1.3200
Total Radium	pCi/L	MW-9S	11/28/2016		1.1300		1.3200
Total Radium	pCi/L	MW-9S	01/25/2017		1.2200		1.3200

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-9S	05/23/2017		0.9700		1.3200
Total Radium	pCi/L	MW-9S	08/08/2017		1.3900	*	1.3200
Total Radium	pCi/L	MW-9S	05/30/2018	ND	2.5900		1.3200
Total Radium	pCi/L	MW-9S	09/17/2018		1.9100	*	1.3200
Total Radium	pCi/L	MW-9S	05/16/2019		1.3400	*	1.3200
Total Radium	pCi/L	MW-9S	11/09/2020	ND	1.8600		1.3200
Total Radium	pCi/L	MW-9SR	01/31/2023		1.5300	*	1.3200
Total Radium	pCi/L	MW-9SR	05/24/2023		1.0900		1.3200

* - 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

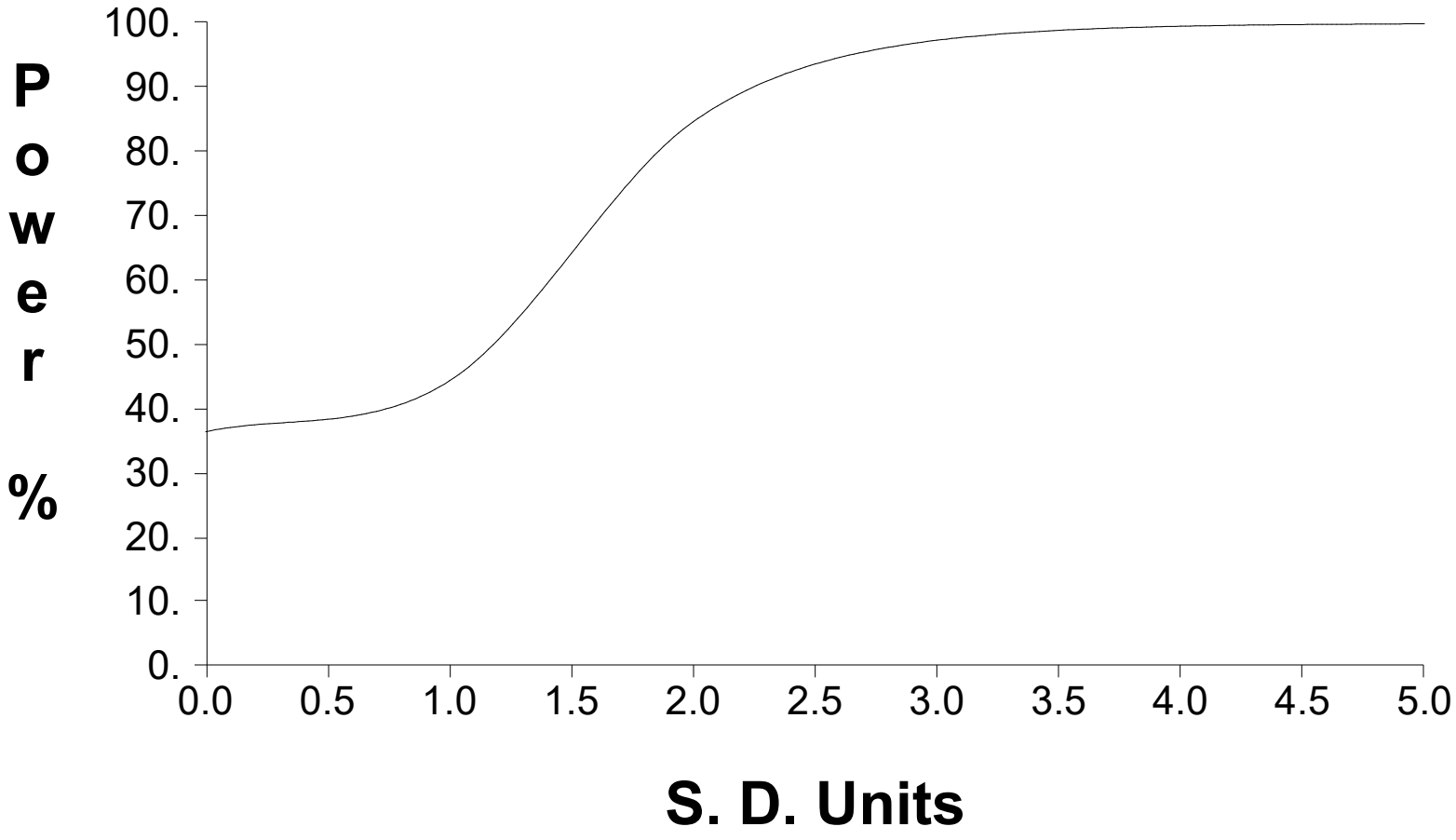


Table C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/29/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15I	01/29/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/03/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/03/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/03/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-15I	11/29/2023	ND	1.0000		
Antimony, Total	ug/L	MW-15I	05/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/29/2018	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	01/29/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/03/2020	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/03/2021	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/03/2022	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Arsenic, Total	ug/L	MW-15I	11/29/2023	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, Total	ug/L	MW-15I	05/10/2024	ND	1.0000		
Barium, Total	ug/L	MW-15I	09/18/2018		62.1000		
Barium, Total	ug/L	MW-15I	11/29/2018		66.0000		
Barium, Total	ug/L	MW-15I	02/04/2019		77.1000		
Barium, Total	ug/L	MW-15I	03/25/2019		78.8000		
Barium, Total	ug/L	MW-15I	05/14/2019		78.1000		
Barium, Total	ug/L	MW-15I	07/24/2019		66.2000		
Barium, Total	ug/L	MW-15I	11/05/2019		59.0000		
Barium, Total	ug/L	MW-15I	01/29/2020		56.6000		
Barium, Total	ug/L	MW-15I	05/27/2020		72.8000		
Barium, Total	ug/L	MW-15I	11/03/2020		61.9000		
Barium, Total	ug/L	MW-15I	05/06/2021		67.4000		
Barium, Total	ug/L	MW-15I	11/03/2021		67.9000		
Barium, Total	ug/L	MW-15I	05/05/2022		56.0000		
Barium, Total	ug/L	MW-15I	11/03/2022		85.1000		
Barium, Total	ug/L	MW-15I	05/18/2023		65.2000		
Barium, Total	ug/L	MW-15I	11/29/2023		72.4000		
Barium, Total	ug/L	MW-15I	05/10/2024		68.0000		
Beryllium, Total	ug/L	MW-15I	09/18/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/29/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	02/04/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	03/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/14/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	07/24/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/05/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	01/29/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/27/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/03/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/06/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/05/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	11/29/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-15I	05/10/2024	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-15I	09/18/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/29/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	02/04/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	03/25/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/14/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	07/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/05/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	01/29/2020	ND	1.0000	2.0000	**
Cadmium, Total	ug/L	MW-15I	05/27/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/06/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/03/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/05/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	11/03/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/18/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-15I	05/10/2024	ND	2.0000		
Chromium, Total	ug/L	MW-15I	09/18/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/29/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15I	02/04/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	03/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/14/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	07/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/05/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15I	01/29/2020	ND	20.0000	10.0000	**
Chromium, Total	ug/L	MW-15I	05/27/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/06/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/05/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15I	11/03/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/18/2023	ND	10.0000		
Chromium, Total	ug/L	MW-15I	05/10/2024	ND	10.0000		
Cobalt, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/29/2018	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	01/29/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/03/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/03/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/03/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	11/29/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-15I	05/10/2024		1.1000		
Fluoride	mg/L	MW-15I	09/18/2018		0.1100		
Fluoride	mg/L	MW-15I	11/29/2018		0.1300		
Fluoride	mg/L	MW-15I	02/04/2019		0.1200		
Fluoride	mg/L	MW-15I	03/25/2019		0.1300		
Fluoride	mg/L	MW-15I	05/14/2019		0.1100		
Fluoride	mg/L	MW-15I	07/24/2019	ND	0.1000		
Fluoride	mg/L	MW-15I	11/05/2019	ND	0.1000		
Fluoride	mg/L	MW-15I	01/29/2020		0.1200		
Fluoride	mg/L	MW-15I	05/27/2020		0.1200		
Fluoride	mg/L	MW-15I	11/03/2020	ND	0.1000		
Fluoride	mg/L	MW-15I	05/06/2021	ND	0.1000		
Fluoride	mg/L	MW-15I	11/03/2021	ND	0.1000		
Fluoride	mg/L	MW-15I	05/05/2022		0.1200		
Fluoride	mg/L	MW-15I	11/03/2022	ND	0.1000		
Fluoride	mg/L	MW-15I	05/18/2023		0.1100		
Fluoride	mg/L	MW-15I	11/29/2023	ND	0.1000		
Fluoride	mg/L	MW-15I	05/10/2024	ND	0.1000		
Lead, Total	ug/L	MW-15I	09/18/2018	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-15I	11/29/2018	ND	10.0000		
Lead, Total	ug/L	MW-15I	02/04/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	03/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/14/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	07/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/05/2019	ND	10.0000		
Lead, Total	ug/L	MW-15I	01/29/2020	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/27/2020	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/06/2021	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/05/2022	ND	10.0000		
Lead, Total	ug/L	MW-15I	11/03/2022	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/18/2023	ND	10.0000		
Lead, Total	ug/L	MW-15I	05/10/2024	ND	10.0000		
Lithium, Total	ug/L	MW-15I	09/18/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/29/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15I	02/04/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	03/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/14/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	07/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/05/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15I	01/29/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/27/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/03/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/06/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/03/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/05/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/03/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-15I	11/29/2023	ND	20.0000		
Lithium, Total	ug/L	MW-15I	05/10/2024	ND	20.0000		
Mercury	ug/L	MW-15I	09/18/2018	ND	2.0000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	MW-15I	11/29/2018	ND	2.0000		
Mercury	ug/L	MW-15I	02/04/2019	ND	2.0000		
Mercury	ug/L	MW-15I	03/25/2019	ND	2.0000		
Mercury	ug/L	MW-15I	05/14/2019	ND	2.0000		
Mercury	ug/L	MW-15I	07/24/2019	ND	2.0000		
Mercury	ug/L	MW-15I	11/05/2019	ND	2.0000		
Mercury	ug/L	MW-15I	01/29/2020	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15I	05/27/2020	ND	2.0000		
Mercury	ug/L	MW-15I	05/06/2021	ND	2.0000		
Mercury	ug/L	MW-15I	05/05/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15I	05/18/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15I	05/10/2024	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-15I	09/18/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/29/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	02/04/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	03/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/14/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	07/24/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/05/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	01/29/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/27/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/03/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/06/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/03/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/05/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/03/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	11/29/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-15I	05/10/2024	ND	10.0000		
Selenium, Total	ug/L	MW-15I	09/18/2018		1.9000		
Selenium, Total	ug/L	MW-15I	11/29/2018		1.9000		
Selenium, Total	ug/L	MW-15I	02/04/2019		2.1000		
Selenium, Total	ug/L	MW-15I	03/25/2019		1.9000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, Total	ug/L	MW-15I	05/14/2019		1.5000		
Selenium, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15I	01/29/2020		1.7000		
Selenium, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15I	11/03/2020		2.0000		
Selenium, Total	ug/L	MW-15I	05/06/2021		1.7000		
Selenium, Total	ug/L	MW-15I	11/03/2021		1.0000		
Selenium, Total	ug/L	MW-15I	05/05/2022		1.9000		
Selenium, Total	ug/L	MW-15I	11/03/2022		1.2000		
Selenium, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-15I	11/29/2023	ND	1.0000		
Selenium, Total	ug/L	MW-15I	05/10/2024		3.3000		
Thallium, Total	ug/L	MW-15I	09/18/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15I	11/29/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15I	02/04/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	03/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/14/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	07/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	11/05/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15I	01/29/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/27/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/06/2021	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/05/2022	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/18/2023	ND	1.0000		
Thallium, Total	ug/L	MW-15I	05/10/2024	ND	1.0000		
Total Radium	pCi/L	MW-15I	09/18/2018		0.7100		
Total Radium	pCi/L	MW-15I	11/29/2018		0.7930		
Total Radium	pCi/L	MW-15I	02/04/2019		0.8490		
Total Radium	pCi/L	MW-15I	03/25/2019		1.6500		
Total Radium	pCi/L	MW-15I	05/14/2019		1.6300		
Total Radium	pCi/L	MW-15I	07/24/2019		1.6200		
Total Radium	pCi/L	MW-15I	11/05/2019	ND	1.4600	1.4100	**

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Total Radium	pCi/L	MW-15I	01/29/2020		0.5700		
Total Radium	pCi/L	MW-15I	05/27/2020		1.0500		
Total Radium	pCi/L	MW-15I	11/03/2020		0.6830		
Total Radium	pCi/L	MW-15I	05/06/2021		0.9160		
Total Radium	pCi/L	MW-15I	11/03/2021		1.1800		
Total Radium	pCi/L	MW-15I	05/05/2022	ND	1.4100		
Total Radium	pCi/L	MW-15I	11/03/2022		1.1300		
Total Radium	pCi/L	MW-15I	05/18/2023		1.0500		
Total Radium	pCi/L	MW-15I	11/29/2023	ND	1.6800	1.4100	**
Total Radium	pCi/L	MW-15I	05/10/2024	ND	1.1900	1.4100	**

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-10D	05/21/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-10S	05/21/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-11D	05/10/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-12D	05/09/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-13D	05/03/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-1D	05/06/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-7D	05/08/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9I	05/07/2024	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-10D	05/21/2024		99.3000	***	1.0000
Arsenic, Total	ug/L	MW-10S	05/21/2024		283.0000	***	1.0000
Arsenic, Total	ug/L	MW-11D	05/10/2024		15.1000	***	1.0000
Arsenic, Total	ug/L	MW-12D	05/09/2024		121.0000	***	1.0000
Arsenic, Total	ug/L	MW-13D	05/03/2024		255.0000	***	1.0000
Arsenic, Total	ug/L	MW-1D	05/06/2024		6.1000	***	1.0000
Arsenic, Total	ug/L	MW-7D	05/08/2024		522.0000	***	1.0000
Arsenic, Total	ug/L	MW-9I	05/07/2024		122.0000	***	1.0000
Barium, Total	ug/L	MW-10D	05/21/2024		46.2000		90.0711
Barium, Total	ug/L	MW-10S	05/21/2024		94.7000	*	90.0711
Barium, Total	ug/L	MW-11D	05/10/2024		23.1000		90.0711
Barium, Total	ug/L	MW-12D	05/09/2024		49.4000		90.0711
Barium, Total	ug/L	MW-13D	05/03/2024		33.4000		90.0711
Barium, Total	ug/L	MW-1D	05/06/2024		101.0000	*	90.0711
Barium, Total	ug/L	MW-7D	05/08/2024		47.2000		90.0711
Barium, Total	ug/L	MW-9I	05/07/2024		60.4000		90.0711
Beryllium, Total	ug/L	MW-10D	05/21/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-10S	05/21/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-11D	05/10/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-12D	05/09/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-13D	05/03/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-1D	05/06/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-7D	05/08/2024	ND	0.2000		0.2000

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Beryllium, Total	ug/L	MW-9I	05/07/2024	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-10D	05/21/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-10S	05/21/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-11D	05/10/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-12D	05/09/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-13D	05/03/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-1D	05/06/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-7D	05/08/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9I	05/07/2024	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-10D	05/21/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-10S	05/21/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-11D	05/10/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-12D	05/09/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-13D	05/03/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-1D	05/06/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-7D	05/08/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9I	05/07/2024	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-10D	05/21/2024	ND	1.0000		1.1000
Cobalt, Total	ug/L	MW-10S	05/21/2024	ND	1.0000		1.1000
Cobalt, Total	ug/L	MW-11D	05/10/2024	ND	1.0000		1.1000
Cobalt, Total	ug/L	MW-12D	05/09/2024	ND	1.0000		1.1000
Cobalt, Total	ug/L	MW-13D	05/03/2024	ND	1.0000		1.1000
Cobalt, Total	ug/L	MW-1D	05/06/2024	ND	1.0000		1.1000
Cobalt, Total	ug/L	MW-7D	05/08/2024	ND	1.0000		1.1000
Cobalt, Total	ug/L	MW-9I	05/07/2024	ND	1.0000		1.1000
Fluoride	mg/L	MW-10D	05/21/2024		1.8000	***	0.1300
Fluoride	mg/L	MW-10S	05/21/2024		2.7000	***	0.1300
Fluoride	mg/L	MW-11D	05/10/2024		0.5100	***	0.1300
Fluoride	mg/L	MW-12D	05/09/2024		1.1000	***	0.1300
Fluoride	mg/L	MW-13D	05/03/2024		0.5500	***	0.1300
Fluoride	mg/L	MW-1D	05/06/2024		0.3900	***	0.1300

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Fluoride	mg/L	MW-7D	05/08/2024		0.4400	***	0.1300
Fluoride	mg/L	MW-9I	05/07/2024		0.8200	***	0.1300
Lead, Total	ug/L	MW-10D	05/21/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-10S	05/21/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-11D	05/10/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-12D	05/09/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-13D	05/03/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-1D	05/06/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-7D	05/08/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9I	05/07/2024	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-10D	05/21/2024		61.5000	***	20.0000
Lithium, Total	ug/L	MW-10S	05/21/2024		46.7000	***	20.0000
Lithium, Total	ug/L	MW-11D	05/10/2024		126.0000	***	20.0000
Lithium, Total	ug/L	MW-12D	05/09/2024		59.6000	***	20.0000
Lithium, Total	ug/L	MW-13D	05/03/2024		73.2000	***	20.0000
Lithium, Total	ug/L	MW-1D	05/06/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-7D	05/08/2024		96.8000	***	20.0000
Lithium, Total	ug/L	MW-9I	05/07/2024		56.8000	***	20.0000
Mercury	ug/L	MW-10D	05/21/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-10S	05/21/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-11D	05/10/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-12D	05/09/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-13D	05/03/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-1D	05/06/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-7D	05/08/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-9I	05/07/2024	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-10D	05/21/2024		58.9000	***	10.0000
Molybdenum, Total	ug/L	MW-10S	05/21/2024		111.0000	***	10.0000
Molybdenum, Total	ug/L	MW-11D	05/10/2024	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-12D	05/09/2024		73.4000	***	10.0000
Molybdenum, Total	ug/L	MW-13D	05/03/2024		304.0000	***	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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Molybdenum, Total	ug/L	MW-1D	05/06/2024		20.4000	***	10.0000
Molybdenum, Total	ug/L	MW-7D	05/08/2024		449.0000	***	10.0000
Molybdenum, Total	ug/L	MW-9I	05/07/2024		127.0000	***	10.0000
Selenium, Total	ug/L	MW-10D	05/21/2024	ND	1.0000		3.9469
Selenium, Total	ug/L	MW-10S	05/21/2024		1.3000		3.9469
Selenium, Total	ug/L	MW-11D	05/10/2024	ND	1.0000		3.9469
Selenium, Total	ug/L	MW-12D	05/09/2024	ND	1.0000		3.9469
Selenium, Total	ug/L	MW-13D	05/03/2024	ND	1.0000		3.9469
Selenium, Total	ug/L	MW-1D	05/06/2024	ND	1.0000		3.9469
Selenium, Total	ug/L	MW-7D	05/08/2024	ND	1.0000		3.9469
Selenium, Total	ug/L	MW-9I	05/07/2024	ND	1.0000		3.9469
Thallium, Total	ug/L	MW-10D	05/21/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-10S	05/21/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-11D	05/10/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-12D	05/09/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-13D	05/03/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-1D	05/06/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-7D	05/08/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9I	05/07/2024	ND	1.0000		1.0000
Total Radium	pCi/L	MW-10D	05/21/2024		2.2600		2.3196
Total Radium	pCi/L	MW-10S	05/21/2024	ND	1.4800		2.3196
Total Radium	pCi/L	MW-11D	05/10/2024		0.9710		2.3196
Total Radium	pCi/L	MW-12D	05/09/2024		1.8400		2.3196
Total Radium	pCi/L	MW-13D	05/03/2024		0.9460		2.3196
Total Radium	pCi/L	MW-1D	05/06/2024		0.8860		2.3196
Total Radium	pCi/L	MW-7D	05/08/2024		2.0300		2.3196
Total Radium	pCi/L	MW-9I	05/07/2024		1.3800		2.3196

* - 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 C-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	168	0.006
Arsenic, Total	0	17	0.000	152	168	0.905
Barium, Total	17	17	1.000	168	168	1.000
Beryllium, Total	0	15	0.000	0	144	0.000
Cadmium, Total	0	15	0.000	8	144	0.056
Chromium, Total	0	16	0.000	4	160	0.025
Cobalt, Total	1	17	0.059	3	160	0.019
Fluoride	9	17	0.529	176	176	1.000
Lead, Total	0	16	0.000	0	152	0.000
Lithium, Total	0	17	0.000	161	168	0.958
Mercury	0	13	0.000	1	128	0.008
Molybdenum, Total	0	17	0.000	147	168	0.875
Selenium, Total	12	17	0.706	1	168	0.006
Thallium, Total	0	13	0.000	0	128	0.000
Total Radium	13	17	0.765	145	168	0.863

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table C-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	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Arsenic, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Barium, Total	17	17	1.000	0.461	0.845					2.326	normal	normal
Beryllium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Cadmium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Chromium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Cobalt, Total	1	17	0.059	21.983	21.983					2.326	non-norm	nonpar
Fluoride	9	17	0.529	2.931	2.931					2.326	non-norm	nonpar
Lead, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Lithium, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Mercury	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Molybdenum, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Selenium, Total	12	17	0.706	2.644	2.192					2.326	lognor	lognor
Thallium, Total	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Total Radium	13	17	0.765	0.679	0.799					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 C-5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, Total	ug/L	0	17					1.0000	nonpar	***	0.96
Arsenic, Total	ug/L	0	17					1.0000	nonpar	***	0.96
Barium, Total	ug/L	17	17	68.2706	8.2062	0.0100	2.6566	90.0711	normal		
Beryllium, Total	ug/L	0	15					0.2000	nonpar	***	0.95
Cadmium, Total	ug/L	0	15					2.0000	nonpar	***	0.95
Chromium, Total	ug/L	0	16					10.0000	nonpar	***	0.95
Cobalt, Total	ug/L	1	17					1.1000	nonpar		0.96
Fluoride	mg/L	9	17					0.1300	nonpar		0.96
Lead, Total	ug/L	0	16					10.0000	nonpar	***	0.95
Lithium, Total	ug/L	0	17					20.0000	nonpar	***	0.96
Mercury	ug/L	0	13					2.0000	nonpar	***	0.93
Molybdenum, Total	ug/L	0	17					10.0000	nonpar	***	0.96
Selenium, Total	ug/L	12	17	0.4027	0.3652	0.0100	2.6566	3.9469	lognor		
Thallium, Total	ug/L	0	13					1.0000	nonpar	***	0.93
Total Radium	pCi/L	13	17	0.8136	0.5669	0.0100	2.6566	2.3196	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 C-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 C-7

Historical Downgradient 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-10D	04/06/2016		412.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/25/2016		440.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	08/09/2016		464.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	09/27/2016		488.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/29/2016		406.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	01/25/2017		433.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/23/2017		399.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	08/08/2017		447.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/30/2018		396.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	09/18/2018		323.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/16/2019		313.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/05/2019		275.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/19/2020		268.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/05/2020		265.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/06/2021		250.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/02/2021		173.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/02/2022		140.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/03/2022		161.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/25/2023		116.0000	*	1.0000
Arsenic, Total	ug/L	MW-10D	11/08/2023		89.1000	*	1.0000
Arsenic, Total	ug/L	MW-10D	05/21/2024		99.3000	*	1.0000
Arsenic, Total	ug/L	MW-10S	04/06/2016		455.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/25/2016		440.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	08/09/2016		484.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	09/27/2016		492.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/29/2016		545.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	01/25/2017		507.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/23/2017		440.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	08/08/2017		494.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/30/2018		444.0000	*	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 C-7

Historical Downgradient 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-10S	09/18/2018		343.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/16/2019		349.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/05/2019		385.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/19/2020		358.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/05/2020		349.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/06/2021		413.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/02/2021		429.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/02/2022		448.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/03/2022		368.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/25/2023		401.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	11/08/2023		320.0000	*	1.0000
Arsenic, Total	ug/L	MW-10S	05/21/2024		283.0000	*	1.0000
Arsenic, Total	ug/L	MW-11D	04/07/2016		10.6000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/26/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-11D	08/10/2016		14.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	09/28/2016		14.8000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/30/2016		12.0000	*	1.0000
Arsenic, Total	ug/L	MW-11D	01/26/2017		10.7000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/24/2017		14.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	08/09/2017		14.5000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/29/2018		18.2000	*	1.0000
Arsenic, Total	ug/L	MW-11D	09/14/2018		14.6000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/14/2019		14.3000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/07/2019		15.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/27/2020		15.7000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/05/2020		14.4000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/05/2021		15.4500	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/01/2021		14.8000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/10/2022		16.1000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/07/2022		17.5000	*	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 C-7

Historical Downgradient 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	05/24/2023		15.0000	*	1.0000
Arsenic, Total	ug/L	MW-11D	11/08/2023		15.0000	*	1.0000
Arsenic, Total	ug/L	MW-11D	05/10/2024		15.1000	*	1.0000
Arsenic, Total	ug/L	MW-12D	04/06/2016		241.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/25/2016		252.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	08/09/2016		243.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	09/27/2016		257.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/29/2016		280.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	01/25/2017		275.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/23/2017		268.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	08/08/2017		204.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/30/2018		223.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	09/17/2018		214.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/16/2019		210.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/06/2019		232.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/18/2020		287.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/05/2020		513.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/03/2021		463.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/01/2021		428.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/06/2022		387.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/02/2022		360.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/25/2023		338.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	11/07/2023		288.0000	*	1.0000
Arsenic, Total	ug/L	MW-12D	05/09/2024		121.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	04/06/2016		214.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/25/2016		215.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	08/09/2016		245.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	09/27/2016		282.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/29/2016		291.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	01/25/2017		315.0000	*	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 C-7

Historical Downgradient 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-13D	05/23/2017		306.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	08/08/2017		277.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/30/2018		253.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	09/18/2018		214.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/16/2019		225.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/06/2019		219.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/19/2020		241.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/05/2020		224.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/06/2021		242.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/01/2021		231.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/04/2022		245.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/01/2022		231.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/26/2023		234.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	11/09/2023		228.0000	*	1.0000
Arsenic, Total	ug/L	MW-13D	05/03/2024		255.0000	*	1.0000
Arsenic, Total	ug/L	MW-1D	04/07/2016		10.3000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/26/2016		12.0000	*	1.0000
Arsenic, Total	ug/L	MW-1D	08/09/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	09/27/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	11/29/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	01/26/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	05/23/2017		11.7000	*	1.0000
Arsenic, Total	ug/L	MW-1D	08/09/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	05/29/2018	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-1D	09/17/2018		4.2000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/15/2019		4.7000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/07/2019		5.2000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/26/2020		7.4000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/06/2020		50.6000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/05/2021		5.9000	*	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 C-7

Historical Downgradient 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	11/03/2021		3.4000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/09/2022		4.5000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/09/2022		4.2000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/23/2023		3.3000	*	1.0000
Arsenic, Total	ug/L	MW-1D	11/22/2023		4.4000	*	1.0000
Arsenic, Total	ug/L	MW-1D	05/06/2024		6.1000	*	1.0000
Arsenic, Total	ug/L	MW-7D	04/06/2016		428.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/25/2016		435.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	08/09/2016		412.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	09/27/2016		408.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/29/2016		417.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	01/25/2017		468.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/23/2017		509.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	08/08/2017		504.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/30/2018		491.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	09/18/2018		433.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/15/2019		471.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/06/2019		432.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/27/2020		467.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/17/2020		402.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/06/2021		476.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/02/2021		457.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/04/2022		484.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/02/2022		438.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/26/2023		462.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	11/09/2023		438.0000	*	1.0000
Arsenic, Total	ug/L	MW-7D	05/08/2024		522.0000	*	1.0000
Arsenic, Total	ug/L	MW-9I	04/06/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	05/25/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	08/08/2016	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 C-7

Historical Downgradient 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-9I	09/27/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	11/28/2016	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	01/25/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	05/23/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	08/08/2017	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	05/30/2018	ND	10.0000		1.0000
Arsenic, Total	ug/L	MW-9I	09/17/2018		5.0000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/16/2019		3.8000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/06/2019		4.0000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/19/2020		4.2000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/04/2020		4.6000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/03/2021		4.8000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/04/2021		5.2000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/06/2022		11.3000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/02/2022		16.6000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/24/2023		30.6000	*	1.0000
Arsenic, Total	ug/L	MW-9I	11/03/2023		52.7000	*	1.0000
Arsenic, Total	ug/L	MW-9I	05/07/2024		122.0000	*	1.0000
Barium, Total	ug/L	MW-10S	04/06/2016		119.0000	*	90.0711
Barium, Total	ug/L	MW-10S	05/25/2016		62.7000		90.0711
Barium, Total	ug/L	MW-10S	08/09/2016		77.2000		90.0711
Barium, Total	ug/L	MW-10S	09/27/2016		72.6000		90.0711
Barium, Total	ug/L	MW-10S	11/29/2016		66.5000		90.0711
Barium, Total	ug/L	MW-10S	01/25/2017		77.0000		90.0711
Barium, Total	ug/L	MW-10S	05/23/2017		53.4000		90.0711
Barium, Total	ug/L	MW-10S	08/08/2017		71.4000		90.0711
Barium, Total	ug/L	MW-10S	05/30/2018		43.0000		90.0711
Barium, Total	ug/L	MW-10S	09/18/2018		54.2000		90.0711
Barium, Total	ug/L	MW-10S	05/16/2019		42.6000		90.0711
Barium, Total	ug/L	MW-10S	11/05/2019		51.1000		90.0711

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-10S	05/19/2020		81.1000		90.0711
Barium, Total	ug/L	MW-10S	11/05/2020		46.8000		90.0711
Barium, Total	ug/L	MW-10S	05/06/2021		87.8000		90.0711
Barium, Total	ug/L	MW-10S	11/02/2021		73.3000		90.0711
Barium, Total	ug/L	MW-10S	05/02/2022		75.8000		90.0711
Barium, Total	ug/L	MW-10S	11/03/2022		72.4000		90.0711
Barium, Total	ug/L	MW-10S	05/25/2023		85.8000		90.0711
Barium, Total	ug/L	MW-10S	11/08/2023		53.7000		90.0711
Barium, Total	ug/L	MW-10S	05/21/2024		94.7000	*	90.0711
Barium, Total	ug/L	MW-1D	04/07/2016		47.2000		90.0711
Barium, Total	ug/L	MW-1D	05/26/2016		49.6000		90.0711
Barium, Total	ug/L	MW-1D	08/09/2016		51.6000		90.0711
Barium, Total	ug/L	MW-1D	09/27/2016		49.8000		90.0711
Barium, Total	ug/L	MW-1D	11/29/2016		39.3000		90.0711
Barium, Total	ug/L	MW-1D	01/26/2017		44.2000		90.0711
Barium, Total	ug/L	MW-1D	05/23/2017		48.4000		90.0711
Barium, Total	ug/L	MW-1D	08/09/2017		51.3000		90.0711
Barium, Total	ug/L	MW-1D	05/29/2018		49.8000		90.0711
Barium, Total	ug/L	MW-1D	09/17/2018		51.7000		90.0711
Barium, Total	ug/L	MW-1D	05/15/2019		61.8000		90.0711
Barium, Total	ug/L	MW-1D	11/07/2019		55.5000		90.0711
Barium, Total	ug/L	MW-1D	05/26/2020		71.0000		90.0711
Barium, Total	ug/L	MW-1D	11/06/2020		113.0000	*	90.0711
Barium, Total	ug/L	MW-1D	05/05/2021		77.5000		90.0711
Barium, Total	ug/L	MW-1D	11/03/2021		72.0000		90.0711
Barium, Total	ug/L	MW-1D	05/09/2022		78.0000		90.0711
Barium, Total	ug/L	MW-1D	11/09/2022		87.6000		90.0711
Barium, Total	ug/L	MW-1D	05/23/2023		95.4000	*	90.0711
Barium, Total	ug/L	MW-1D	11/22/2023		76.1000		90.0711
Barium, Total	ug/L	MW-1D	05/06/2024		101.0000	*	90.0711

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-10D	04/06/2016		1.7000	*	0.1300
Fluoride	mg/L	MW-10D	05/25/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	08/09/2016		2.1000	*	0.1300
Fluoride	mg/L	MW-10D	09/27/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	11/29/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	01/25/2017		2.3000	*	0.1300
Fluoride	mg/L	MW-10D	05/23/2017		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	08/08/2017		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	09/20/2017		2.1000	*	0.1300
Fluoride	mg/L	MW-10D	05/30/2018		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	09/18/2018		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	05/16/2019		2.4000	*	0.1300
Fluoride	mg/L	MW-10D	11/05/2019		2.3000	*	0.1300
Fluoride	mg/L	MW-10D	05/19/2020		2.5000	*	0.1300
Fluoride	mg/L	MW-10D	11/05/2020		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	05/06/2021		2.6000	*	0.1300
Fluoride	mg/L	MW-10D	11/02/2021		2.0000	*	0.1300
Fluoride	mg/L	MW-10D	05/02/2022		1.9000	*	0.1300
Fluoride	mg/L	MW-10D	11/03/2022		2.5000	*	0.1300
Fluoride	mg/L	MW-10D	05/25/2023		2.2000	*	0.1300
Fluoride	mg/L	MW-10D	11/08/2023		1.9000	*	0.1300
Fluoride	mg/L	MW-10D	05/21/2024		1.8000	*	0.1300
Fluoride	mg/L	MW-10S	04/06/2016		3.5000	*	0.1300
Fluoride	mg/L	MW-10S	05/25/2016		3.0000	*	0.1300
Fluoride	mg/L	MW-10S	08/09/2016		2.2000	*	0.1300
Fluoride	mg/L	MW-10S	09/27/2016		2.6000	*	0.1300
Fluoride	mg/L	MW-10S	11/29/2016		3.1000	*	0.1300
Fluoride	mg/L	MW-10S	01/25/2017		2.7000	*	0.1300
Fluoride	mg/L	MW-10S	05/23/2017		2.4000	*	0.1300
Fluoride	mg/L	MW-10S	08/08/2017		2.1000	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	09/20/2017		1.8000	*	0.1300
Fluoride	mg/L	MW-10S	05/30/2018		2.2000	*	0.1300
Fluoride	mg/L	MW-10S	09/18/2018		2.7000	*	0.1300
Fluoride	mg/L	MW-10S	05/16/2019		2.5000	*	0.1300
Fluoride	mg/L	MW-10S	11/05/2019		2.1000	*	0.1300
Fluoride	mg/L	MW-10S	05/19/2020		2.0000	*	0.1300
Fluoride	mg/L	MW-10S	11/05/2020		2.4000	*	0.1300
Fluoride	mg/L	MW-10S	05/06/2021		2.5000	*	0.1300
Fluoride	mg/L	MW-10S	11/02/2021		2.5000	*	0.1300
Fluoride	mg/L	MW-10S	05/02/2022		2.6000	*	0.1300
Fluoride	mg/L	MW-10S	11/03/2022		3.0000	*	0.1300
Fluoride	mg/L	MW-10S	05/25/2023		2.7000	*	0.1300
Fluoride	mg/L	MW-10S	11/08/2023		3.1000	*	0.1300
Fluoride	mg/L	MW-10S	05/21/2024		2.7000	*	0.1300
Fluoride	mg/L	MW-11D	04/07/2016		0.3800	*	0.1300
Fluoride	mg/L	MW-11D	05/26/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-11D	08/10/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	09/28/2016		0.3000	*	0.1300
Fluoride	mg/L	MW-11D	11/30/2016		0.2900	*	0.1300
Fluoride	mg/L	MW-11D	01/26/2017		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	05/24/2017		0.4300	*	0.1300
Fluoride	mg/L	MW-11D	08/09/2017		0.4500	*	0.1300
Fluoride	mg/L	MW-11D	09/20/2017		0.4800	*	0.1300
Fluoride	mg/L	MW-11D	05/29/2018		0.4500	*	0.1300
Fluoride	mg/L	MW-11D	09/14/2018		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	05/14/2019		0.4700	*	0.1300
Fluoride	mg/L	MW-11D	11/07/2019		0.4100	*	0.1300
Fluoride	mg/L	MW-11D	05/27/2020		0.3700	*	0.1300
Fluoride	mg/L	MW-11D	11/05/2020		0.4300	*	0.1300
Fluoride	mg/L	MW-11D	05/05/2021		0.2500	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	11/01/2021		0.3600	*	0.1300
Fluoride	mg/L	MW-11D	05/10/2022		0.3000	*	0.1300
Fluoride	mg/L	MW-11D	11/07/2022		0.4000	*	0.1300
Fluoride	mg/L	MW-11D	05/24/2023		0.3100	*	0.1300
Fluoride	mg/L	MW-11D	11/08/2023		0.3400	*	0.1300
Fluoride	mg/L	MW-11D	05/10/2024		0.5100	*	0.1300
Fluoride	mg/L	MW-12D	04/06/2016		0.2200	*	0.1300
Fluoride	mg/L	MW-12D	05/25/2016		0.2700	*	0.1300
Fluoride	mg/L	MW-12D	08/09/2016		0.2800	*	0.1300
Fluoride	mg/L	MW-12D	09/27/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-12D	11/29/2016		0.3800	*	0.1300
Fluoride	mg/L	MW-12D	01/25/2017		0.4900	*	0.1300
Fluoride	mg/L	MW-12D	05/23/2017		0.5000	*	0.1300
Fluoride	mg/L	MW-12D	08/08/2017		0.5300	*	0.1300
Fluoride	mg/L	MW-12D	09/20/2017		0.4400	*	0.1300
Fluoride	mg/L	MW-12D	05/30/2018		1.1000	*	0.1300
Fluoride	mg/L	MW-12D	09/17/2018		0.9500	*	0.1300
Fluoride	mg/L	MW-12D	05/16/2019		1.3000	*	0.1300
Fluoride	mg/L	MW-12D	11/06/2019		1.2000	*	0.1300
Fluoride	mg/L	MW-12D	05/18/2020		1.1000	*	0.1300
Fluoride	mg/L	MW-12D	11/05/2020		0.9700	*	0.1300
Fluoride	mg/L	MW-12D	05/03/2021		1.3000	*	0.1300
Fluoride	mg/L	MW-12D	11/01/2021		1.3000	*	0.1300
Fluoride	mg/L	MW-12D	05/06/2022		1.9000	*	0.1300
Fluoride	mg/L	MW-12D	11/02/2022		1.5000	*	0.1300
Fluoride	mg/L	MW-12D	05/25/2023		1.4000	*	0.1300
Fluoride	mg/L	MW-12D	11/07/2023		1.5000	*	0.1300
Fluoride	mg/L	MW-12D	05/09/2024		1.1000	*	0.1300
Fluoride	mg/L	MW-13D	04/06/2016		0.3900	*	0.1300
Fluoride	mg/L	MW-13D	05/25/2016		0.4000	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-13D	08/09/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-13D	09/27/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-13D	11/29/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-13D	01/25/2017		0.3700	*	0.1300
Fluoride	mg/L	MW-13D	05/23/2017		0.3600	*	0.1300
Fluoride	mg/L	MW-13D	08/08/2017		0.4300	*	0.1300
Fluoride	mg/L	MW-13D	09/20/2017		0.4100	*	0.1300
Fluoride	mg/L	MW-13D	05/30/2018		0.4500	*	0.1300
Fluoride	mg/L	MW-13D	09/18/2018		0.4700	*	0.1300
Fluoride	mg/L	MW-13D	05/16/2019		0.4900	*	0.1300
Fluoride	mg/L	MW-13D	11/06/2019		0.4900	*	0.1300
Fluoride	mg/L	MW-13D	05/19/2020		0.5900	*	0.1300
Fluoride	mg/L	MW-13D	11/05/2020		0.6200	*	0.1300
Fluoride	mg/L	MW-13D	05/06/2021		0.6000	*	0.1300
Fluoride	mg/L	MW-13D	11/01/2021		0.5500	*	0.1300
Fluoride	mg/L	MW-13D	05/04/2022		0.7600	*	0.1300
Fluoride	mg/L	MW-13D	11/01/2022		0.6000	*	0.1300
Fluoride	mg/L	MW-13D	05/26/2023		0.6100	*	0.1300
Fluoride	mg/L	MW-13D	11/09/2023		0.6100	*	0.1300
Fluoride	mg/L	MW-13D	05/03/2024		0.5500	*	0.1300
Fluoride	mg/L	MW-1D	04/07/2016		0.4300	*	0.1300
Fluoride	mg/L	MW-1D	05/26/2016		0.4700	*	0.1300
Fluoride	mg/L	MW-1D	08/09/2016		0.3800	*	0.1300
Fluoride	mg/L	MW-1D	09/27/2016		0.3700	*	0.1300
Fluoride	mg/L	MW-1D	11/29/2016		0.3900	*	0.1300
Fluoride	mg/L	MW-1D	01/26/2017		0.4100	*	0.1300
Fluoride	mg/L	MW-1D	05/23/2017		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	08/09/2017		0.4100	*	0.1300
Fluoride	mg/L	MW-1D	09/20/2017		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	05/29/2018		0.3700	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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	09/17/2018		0.3700	*	0.1300
Fluoride	mg/L	MW-1D	05/15/2019		0.3400	*	0.1300
Fluoride	mg/L	MW-1D	11/07/2019		0.3100	*	0.1300
Fluoride	mg/L	MW-1D	05/26/2020		0.2600	*	0.1300
Fluoride	mg/L	MW-1D	11/06/2020		0.3300	*	0.1300
Fluoride	mg/L	MW-1D	05/05/2021		0.2300	*	0.1300
Fluoride	mg/L	MW-1D	11/03/2021		0.3100	*	0.1300
Fluoride	mg/L	MW-1D	05/09/2022		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	11/09/2022		0.4400	*	0.1300
Fluoride	mg/L	MW-1D	05/23/2023		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	11/22/2023		0.4200	*	0.1300
Fluoride	mg/L	MW-1D	05/06/2024		0.3900	*	0.1300
Fluoride	mg/L	MW-7D	04/06/2016		0.2800	*	0.1300
Fluoride	mg/L	MW-7D	05/25/2016		0.3300	*	0.1300
Fluoride	mg/L	MW-7D	08/09/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-7D	09/27/2016		0.3100	*	0.1300
Fluoride	mg/L	MW-7D	11/29/2016		0.3000	*	0.1300
Fluoride	mg/L	MW-7D	01/25/2017		0.2600	*	0.1300
Fluoride	mg/L	MW-7D	05/23/2017		0.2500	*	0.1300
Fluoride	mg/L	MW-7D	08/08/2017		0.2800	*	0.1300
Fluoride	mg/L	MW-7D	09/20/2017		0.2600	*	0.1300
Fluoride	mg/L	MW-7D	05/30/2018		0.2900	*	0.1300
Fluoride	mg/L	MW-7D	09/18/2018		0.3000	*	0.1300
Fluoride	mg/L	MW-7D	05/15/2019		0.3200	*	0.1300
Fluoride	mg/L	MW-7D	11/06/2019		0.3500	*	0.1300
Fluoride	mg/L	MW-7D	05/27/2020		0.3900	*	0.1300
Fluoride	mg/L	MW-7D	11/17/2020		0.4200	*	0.1300
Fluoride	mg/L	MW-7D	05/06/2021		0.3600	*	0.1300
Fluoride	mg/L	MW-7D	11/02/2021		0.3800	*	0.1300
Fluoride	mg/L	MW-7D	05/04/2022		0.5100	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-7D	11/02/2022		0.4600	*	0.1300
Fluoride	mg/L	MW-7D	05/26/2023		0.4800	*	0.1300
Fluoride	mg/L	MW-7D	11/09/2023		0.4800	*	0.1300
Fluoride	mg/L	MW-7D	05/08/2024		0.4400	*	0.1300
Fluoride	mg/L	MW-9I	04/06/2016		0.4400	*	0.1300
Fluoride	mg/L	MW-9I	05/25/2016		0.5300	*	0.1300
Fluoride	mg/L	MW-9I	08/08/2016		0.5500	*	0.1300
Fluoride	mg/L	MW-9I	09/27/2016		0.5800	*	0.1300
Fluoride	mg/L	MW-9I	11/28/2016		0.6100	*	0.1300
Fluoride	mg/L	MW-9I	01/25/2017		0.5300	*	0.1300
Fluoride	mg/L	MW-9I	05/23/2017		0.5700	*	0.1300
Fluoride	mg/L	MW-9I	08/08/2017		0.5800	*	0.1300
Fluoride	mg/L	MW-9I	09/20/2017		0.5900	*	0.1300
Fluoride	mg/L	MW-9I	05/30/2018		0.5300	*	0.1300
Fluoride	mg/L	MW-9I	09/17/2018		0.5800	*	0.1300
Fluoride	mg/L	MW-9I	05/16/2019		0.6800	*	0.1300
Fluoride	mg/L	MW-9I	11/06/2019		0.6900	*	0.1300
Fluoride	mg/L	MW-9I	05/19/2020		0.7300	*	0.1300
Fluoride	mg/L	MW-9I	11/04/2020		0.7800	*	0.1300
Fluoride	mg/L	MW-9I	05/03/2021		0.9700	*	0.1300
Fluoride	mg/L	MW-9I	11/04/2021		0.9800	*	0.1300
Fluoride	mg/L	MW-9I	05/06/2022		1.2000	*	0.1300
Fluoride	mg/L	MW-9I	11/02/2022		0.9700	*	0.1300
Fluoride	mg/L	MW-9I	05/24/2023		0.7800	*	0.1300
Fluoride	mg/L	MW-9I	11/03/2023		0.6100	*	0.1300
Fluoride	mg/L	MW-9I	05/07/2024		0.8200	*	0.1300
Lithium, Total	ug/L	MW-10D	04/06/2016		123.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/25/2016		105.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	08/09/2016		96.3000	*	20.0000
Lithium, Total	ug/L	MW-10D	09/27/2016		82.9000	*	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 C-7

Historical Downgradient 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-10D	11/29/2016		92.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	01/25/2017		92.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/23/2017		85.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	08/08/2017		86.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/30/2018		63.3000	*	20.0000
Lithium, Total	ug/L	MW-10D	09/18/2018		61.6000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/16/2019		69.4000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/05/2019		61.6000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/19/2020		62.5000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/05/2020		52.2000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/06/2021		49.8000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/02/2021		67.4000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/02/2022		65.6000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/03/2022		45.3000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/25/2023		41.0000	*	20.0000
Lithium, Total	ug/L	MW-10D	11/08/2023		49.7000	*	20.0000
Lithium, Total	ug/L	MW-10D	05/21/2024		61.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	04/06/2016		106.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2016		94.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/09/2016		98.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/27/2016		79.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/29/2016		96.6000	*	20.0000
Lithium, Total	ug/L	MW-10S	01/25/2017		95.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/23/2017		72.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	08/08/2017		93.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/30/2018		57.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	09/18/2018		59.2000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/16/2019		69.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/05/2019		60.5000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/19/2020		75.8000	*	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 C-7

Historical Downgradient 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	11/05/2020		49.9000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/06/2021		45.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/02/2021		53.3000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/02/2022		40.8000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/03/2022		33.0000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/25/2023		33.7000	*	20.0000
Lithium, Total	ug/L	MW-10S	11/08/2023		33.4000	*	20.0000
Lithium, Total	ug/L	MW-10S	05/21/2024		46.7000	*	20.0000
Lithium, Total	ug/L	MW-11D	04/07/2016		127.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/26/2016		122.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	08/10/2016		132.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/28/2016		128.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/30/2016		137.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	01/26/2017		133.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/24/2017		109.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	08/09/2017		124.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/29/2018		122.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	09/14/2018		126.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/14/2019		128.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/07/2019		128.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/27/2020		142.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/05/2020		134.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/05/2021		141.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/01/2021		150.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/10/2022		147.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/07/2022		139.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/24/2023		130.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	11/08/2023		137.0000	*	20.0000
Lithium, Total	ug/L	MW-11D	05/10/2024		126.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	04/06/2016		141.0000	*	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 C-7

Historical Downgradient 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-12D	05/25/2016		152.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	08/09/2016		140.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	09/27/2016		147.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/29/2016		140.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	01/25/2017		166.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/23/2017		129.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	08/08/2017		151.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/30/2018		118.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	09/17/2018		122.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/16/2019		104.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/06/2019		104.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/18/2020		113.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/05/2020		108.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/03/2021		69.6000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/01/2021		95.5000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/06/2022		74.8000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/02/2022		77.2000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/25/2023		60.9000	*	20.0000
Lithium, Total	ug/L	MW-12D	11/07/2023		50.0000	*	20.0000
Lithium, Total	ug/L	MW-12D	05/09/2024		59.6000	*	20.0000
Lithium, Total	ug/L	MW-13D	04/06/2016		87.6000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/25/2016		99.8000	*	20.0000
Lithium, Total	ug/L	MW-13D	08/09/2016		112.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	09/27/2016		133.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/29/2016		176.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	01/25/2017		190.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/23/2017		154.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	08/08/2017		128.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/30/2018		112.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	09/18/2018		101.0000	*	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 C-7

Historical Downgradient 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-13D	05/16/2019		105.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/06/2019		85.0000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/19/2020		96.8000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/05/2020		79.6000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/06/2021		72.7000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/01/2021		84.7000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/04/2022		76.3000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/01/2022		76.5000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/26/2023		70.1000	*	20.0000
Lithium, Total	ug/L	MW-13D	11/09/2023		66.8000	*	20.0000
Lithium, Total	ug/L	MW-13D	05/03/2024		73.2000	*	20.0000
Lithium, Total	ug/L	MW-7D	04/06/2016		150.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/25/2016		132.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	08/09/2016		120.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	09/27/2016		107.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/29/2016		127.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	01/25/2017		150.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/23/2017		136.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	08/08/2017		152.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/30/2018		120.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	09/18/2018		110.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/15/2019		125.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/06/2019		95.5000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/27/2020		104.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/17/2020		91.7000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/06/2021		96.9000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/02/2021		103.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/04/2022		100.0000	*	20.0000
Lithium, Total	ug/L	MW-7D	11/02/2022		93.7000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/26/2023		94.9000	*	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 C-7

Historical Downgradient 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-7D	11/09/2023		80.8000	*	20.0000
Lithium, Total	ug/L	MW-7D	05/08/2024		96.8000	*	20.0000
Lithium, Total	ug/L	MW-9I	04/06/2016		104.0000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/25/2016		79.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	08/08/2016		68.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	09/27/2016		58.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/28/2016		62.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	01/25/2017		59.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/23/2017		51.5000	*	20.0000
Lithium, Total	ug/L	MW-9I	08/08/2017		56.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/30/2018		35.4000	*	20.0000
Lithium, Total	ug/L	MW-9I	09/17/2018		37.0000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/16/2019		38.4000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/06/2019		30.2000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/19/2020		30.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/04/2020		23.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/03/2021		30.5000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/04/2021		28.5000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/06/2022		25.6000	*	20.0000
Lithium, Total	ug/L	MW-9I	11/02/2022		22.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/24/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9I	11/03/2023		25.3000	*	20.0000
Lithium, Total	ug/L	MW-9I	05/07/2024		56.8000	*	20.0000
Molybdenum, Total	ug/L	MW-10D	04/06/2016		264.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/25/2016		288.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	08/09/2016		290.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	09/27/2016		259.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/29/2016		274.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	01/25/2017		251.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/23/2017		235.0000	*	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 C-7

Historical Downgradient 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-10D	08/08/2017		220.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/30/2018		168.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	09/18/2018		141.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/16/2019		99.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/05/2019		76.5000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/19/2020		72.8000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/05/2020		88.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/06/2021		97.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/02/2021		84.1000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/02/2022		82.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/03/2022		100.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/25/2023		74.9000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	11/08/2023		68.8000	*	10.0000
Molybdenum, Total	ug/L	MW-10D	05/21/2024		58.9000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	04/06/2016		324.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2016		299.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/09/2016		279.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/27/2016		247.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/29/2016		241.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	01/25/2017		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/23/2017		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	08/08/2017		166.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/30/2018		138.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	09/18/2018		117.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/16/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2019		93.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/19/2020		82.7000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/05/2020		77.4000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/06/2021		72.2000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/02/2021		71.2000	*	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 C-7

Historical Downgradient 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	05/02/2022		65.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/03/2022		69.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/25/2023		60.6000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	11/08/2023		162.0000	*	10.0000
Molybdenum, Total	ug/L	MW-10S	05/21/2024		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	04/06/2016		286.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/25/2016		257.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	08/09/2016		270.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	09/27/2016		274.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/29/2016		249.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	01/25/2017		254.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/23/2017		214.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	08/08/2017		232.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/30/2018		232.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	09/17/2018		239.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/16/2019		219.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/06/2019		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/18/2020		227.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/05/2020		200.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/03/2021		173.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/01/2021		176.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/06/2022		154.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/02/2022		166.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/25/2023		146.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	11/07/2023		113.0000	*	10.0000
Molybdenum, Total	ug/L	MW-12D	05/09/2024		73.4000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	04/06/2016		646.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/25/2016		575.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	08/09/2016		671.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	09/27/2016		647.0000	*	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 C-7

Historical Downgradient 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-13D	11/29/2016		695.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	01/25/2017		704.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/23/2017		667.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	08/08/2017		651.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/30/2018		922.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	09/18/2018		857.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/16/2019		1090.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/06/2019		880.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/19/2020		881.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/05/2020		859.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/06/2021		762.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/01/2021		599.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/04/2022		565.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/01/2022		503.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/26/2023		414.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	11/09/2023		338.0000	*	10.0000
Molybdenum, Total	ug/L	MW-13D	05/03/2024		304.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	04/07/2016		234.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/26/2016		205.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	08/09/2016		159.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/27/2016		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/29/2016		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	01/26/2017		121.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/23/2017		97.0000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	08/09/2017		76.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/29/2018		63.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	09/17/2018		51.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/15/2019		54.5000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/07/2019		47.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/26/2020		44.9000	*	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 C-7

Historical Downgradient 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	11/06/2020		34.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/05/2021		39.8000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/03/2021		33.6000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/09/2022		37.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/09/2022		27.2000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/23/2023		28.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	11/22/2023		18.7000	*	10.0000
Molybdenum, Total	ug/L	MW-1D	05/06/2024		20.4000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	04/06/2016		423.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/25/2016		445.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	08/09/2016		460.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	09/27/2016		448.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/29/2016		488.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	01/25/2017		461.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/23/2017		441.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	08/08/2017		455.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/30/2018		544.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	09/18/2018		574.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/15/2019		616.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/06/2019		617.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/27/2020		736.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/17/2020		697.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/06/2021		704.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/02/2021		688.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/04/2022		592.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/02/2022		632.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/26/2023		548.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	11/09/2023		469.0000	*	10.0000
Molybdenum, Total	ug/L	MW-7D	05/08/2024		449.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	04/06/2016		214.0000	*	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 C-7

Historical Downgradient 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	05/25/2016		218.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	08/08/2016		201.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	09/27/2016		191.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/28/2016		189.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	01/25/2017		157.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/23/2017		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	08/08/2017		115.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/30/2018		125.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	09/17/2018		110.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/16/2019		96.8000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/06/2019		91.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/19/2020		95.9000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/04/2020		89.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/03/2021		134.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/04/2021		123.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/06/2022		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/02/2022		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/24/2023		111.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	11/03/2023		89.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9I	05/07/2024		127.0000	*	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

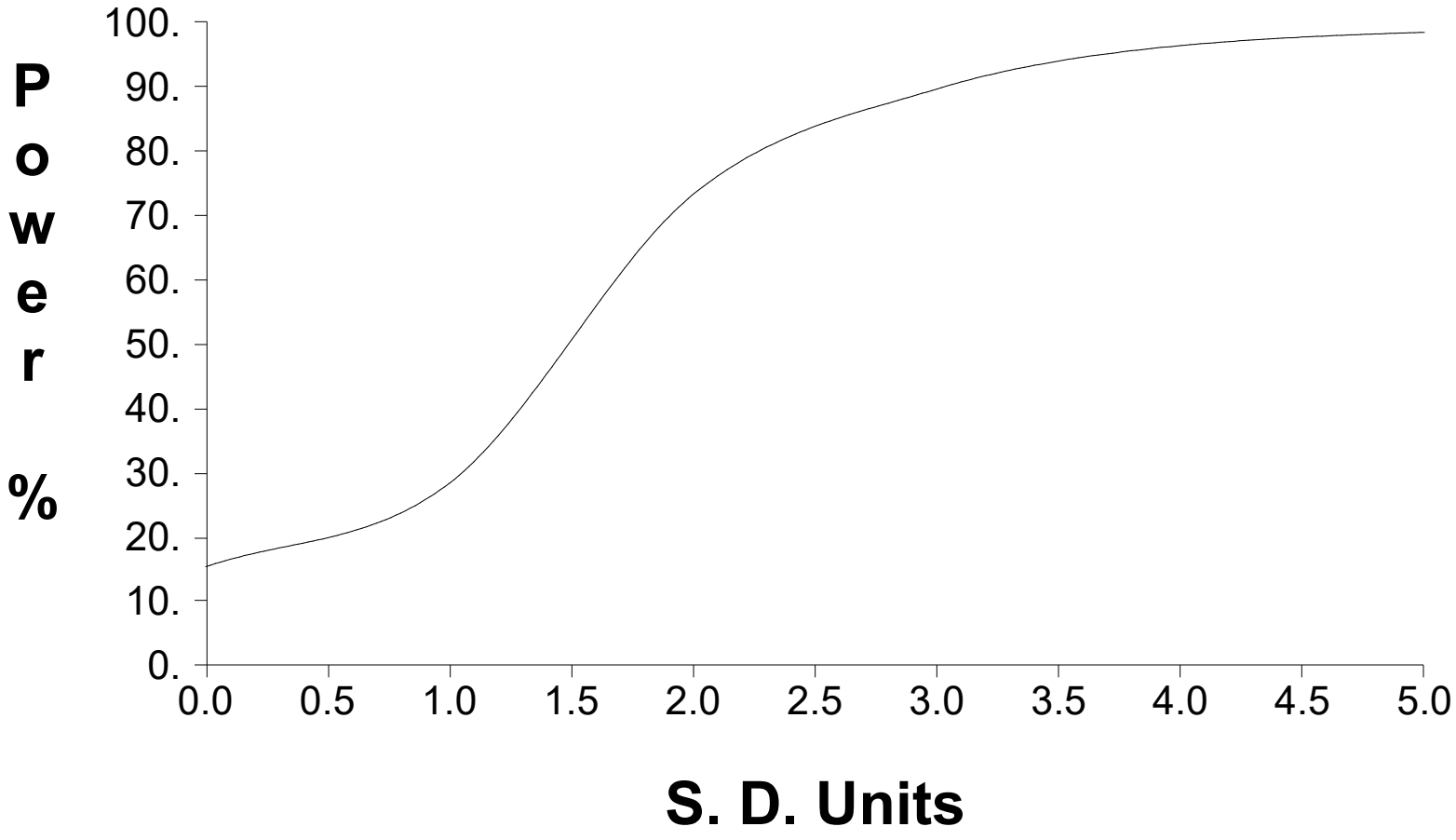


Table C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/29/2018	ND	1.0000		
Antimony, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	03/25/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Antimony, Total	ug/L	MW-15D	01/29/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/03/2020	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/03/2021	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/03/2022	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Antimony, Total	ug/L	MW-15D	11/29/2023	ND	1.0000		
Antimony, Total	ug/L	MW-15D	05/10/2024	ND	1.0000		
Arsenic, Total	ug/L	MW-15D	09/18/2018		1.3000		
Arsenic, Total	ug/L	MW-15D	11/29/2018		1.2000		
Arsenic, Total	ug/L	MW-15D	02/04/2019		1.3000		
Arsenic, Total	ug/L	MW-15D	03/25/2019		1.1000		
Arsenic, Total	ug/L	MW-15D	05/14/2019		1.0000		
Arsenic, Total	ug/L	MW-15D	07/24/2019		1.1000		
Arsenic, Total	ug/L	MW-15D	11/05/2019		1.1000		
Arsenic, Total	ug/L	MW-15D	01/29/2020		1.1000		
Arsenic, Total	ug/L	MW-15D	05/27/2020		1.2000		
Arsenic, Total	ug/L	MW-15D	11/03/2020		1.7000		
Arsenic, Total	ug/L	MW-15D	05/06/2021		1.1000		
Arsenic, Total	ug/L	MW-15D	11/03/2021		1.2000		
Arsenic, Total	ug/L	MW-15D	05/11/2022		1.2000		
Arsenic, Total	ug/L	MW-15D	11/03/2022		1.1000		
Arsenic, Total	ug/L	MW-15D	05/18/2023		1.5000		
Arsenic, Total	ug/L	MW-15D	11/29/2023		1.1000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic, Total	ug/L	MW-15D	05/10/2024		1.4000		
Barium, Total	ug/L	MW-15D	09/18/2018		71.4000		
Barium, Total	ug/L	MW-15D	11/29/2018		67.8000		
Barium, Total	ug/L	MW-15D	02/04/2019		69.6000		
Barium, Total	ug/L	MW-15D	03/25/2019		68.4000		
Barium, Total	ug/L	MW-15D	05/14/2019		65.6000		
Barium, Total	ug/L	MW-15D	07/24/2019		64.6000		
Barium, Total	ug/L	MW-15D	11/05/2019		65.3000		
Barium, Total	ug/L	MW-15D	01/29/2020		65.2000		
Barium, Total	ug/L	MW-15D	05/27/2020		64.2000		
Barium, Total	ug/L	MW-15D	11/03/2020		63.2000		
Barium, Total	ug/L	MW-15D	05/06/2021		68.9000		
Barium, Total	ug/L	MW-15D	11/03/2021		69.2000		
Barium, Total	ug/L	MW-15D	05/11/2022		75.1000		
Barium, Total	ug/L	MW-15D	11/03/2022		73.6000		
Barium, Total	ug/L	MW-15D	05/18/2023		75.0000		
Barium, Total	ug/L	MW-15D	11/29/2023		73.5000		
Barium, Total	ug/L	MW-15D	05/10/2024		63.7000		
Beryllium, Total	ug/L	MW-15D	09/18/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/29/2018	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	02/04/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	03/25/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/14/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	07/24/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/05/2019	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	01/29/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/27/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/03/2020	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/06/2021	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/11/2022	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/18/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	11/29/2023	ND	0.2000		
Beryllium, Total	ug/L	MW-15D	05/10/2024	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium, Total	ug/L	MW-15D	09/18/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/29/2018	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	02/04/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	03/25/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/14/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	07/24/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/05/2019	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	01/29/2020	ND	1.0000	2.0000	**
Cadmium, Total	ug/L	MW-15D	05/27/2020	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/06/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/03/2021	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/11/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	11/03/2022	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/18/2023	ND	2.0000		
Cadmium, Total	ug/L	MW-15D	05/10/2024	ND	2.0000		
Chromium, Total	ug/L	MW-15D	09/18/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/29/2018	ND	10.0000		
Chromium, Total	ug/L	MW-15D	02/04/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	03/25/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/14/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	07/24/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/05/2019	ND	10.0000		
Chromium, Total	ug/L	MW-15D	01/29/2020	ND	20.0000	10.0000	**
Chromium, Total	ug/L	MW-15D	05/27/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/03/2020	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/06/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/03/2021	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/11/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15D	11/03/2022	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/18/2023	ND	10.0000		
Chromium, Total	ug/L	MW-15D	05/10/2024	ND	10.0000		
Cobalt, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/29/2018	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	03/25/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	01/29/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/03/2020	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/03/2021	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/03/2022	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	11/29/2023	ND	1.0000		
Cobalt, Total	ug/L	MW-15D	05/10/2024	ND	1.0000		
Fluoride	mg/L	MW-15D	09/18/2018	ND	0.1000		
Fluoride	mg/L	MW-15D	11/29/2018		0.1200		
Fluoride	mg/L	MW-15D	02/04/2019		0.1200		
Fluoride	mg/L	MW-15D	03/25/2019		0.1300		
Fluoride	mg/L	MW-15D	05/14/2019		0.1100		
Fluoride	mg/L	MW-15D	07/24/2019	ND	0.1000		
Fluoride	mg/L	MW-15D	11/05/2019	ND	0.1000		
Fluoride	mg/L	MW-15D	01/29/2020		0.1000		
Fluoride	mg/L	MW-15D	05/27/2020		0.1100		
Fluoride	mg/L	MW-15D	11/03/2020	ND	0.1000		
Fluoride	mg/L	MW-15D	05/06/2021	ND	0.1000		
Fluoride	mg/L	MW-15D	11/03/2021	ND	0.1000		
Fluoride	mg/L	MW-15D	05/11/2022		0.1200		
Fluoride	mg/L	MW-15D	11/03/2022	ND	0.1000		
Fluoride	mg/L	MW-15D	05/18/2023		0.1000		
Fluoride	mg/L	MW-15D	11/29/2023	ND	0.1000		
Fluoride	mg/L	MW-15D	05/10/2024	ND	0.1000		
Lead, Total	ug/L	MW-15D	09/18/2018	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead, Total	ug/L	MW-15D	11/29/2018	ND	10.0000		
Lead, Total	ug/L	MW-15D	02/04/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	03/25/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/14/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	07/24/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/05/2019	ND	10.0000		
Lead, Total	ug/L	MW-15D	01/29/2020	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/27/2020	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/03/2020	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/06/2021	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/03/2021	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/11/2022	ND	10.0000		
Lead, Total	ug/L	MW-15D	11/03/2022	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/18/2023	ND	10.0000		
Lead, Total	ug/L	MW-15D	05/10/2024	ND	10.0000		
Lithium, Total	ug/L	MW-15D	09/18/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/29/2018	ND	20.0000		
Lithium, Total	ug/L	MW-15D	02/04/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	03/25/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/14/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	07/24/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/05/2019	ND	20.0000		
Lithium, Total	ug/L	MW-15D	01/29/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/27/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/03/2020	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/06/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/03/2021	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/11/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/03/2022	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/18/2023	ND	20.0000		
Lithium, Total	ug/L	MW-15D	11/29/2023	ND	20.0000		
Lithium, Total	ug/L	MW-15D	05/10/2024	ND	20.0000		
Mercury	ug/L	MW-15D	09/18/2018	ND	2.0000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	MW-15D	11/29/2018	ND	2.0000		
Mercury	ug/L	MW-15D	02/04/2019	ND	2.0000		
Mercury	ug/L	MW-15D	03/25/2019	ND	2.0000		
Mercury	ug/L	MW-15D	05/14/2019	ND	2.0000		
Mercury	ug/L	MW-15D	07/24/2019	ND	2.0000		
Mercury	ug/L	MW-15D	11/05/2019	ND	2.0000		
Mercury	ug/L	MW-15D	01/29/2020	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15D	05/27/2020	ND	2.0000		
Mercury	ug/L	MW-15D	05/06/2021	ND	2.0000		
Mercury	ug/L	MW-15D	05/11/2022	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15D	05/18/2023	ND	0.2000	2.0000	**
Mercury	ug/L	MW-15D	05/10/2024	ND	0.2000	2.0000	**
Molybdenum, Total	ug/L	MW-15D	09/18/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/29/2018	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	02/04/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	03/25/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/14/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	07/24/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/05/2019	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	01/29/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/27/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/03/2020	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/06/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/03/2021	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/11/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/03/2022	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/18/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	11/29/2023	ND	10.0000		
Molybdenum, Total	ug/L	MW-15D	05/10/2024	ND	10.0000		
Selenium, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/29/2018	ND	1.0000		
Selenium, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	03/25/2019	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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Selenium, Total	ug/L	MW-15D	01/29/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/03/2020	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/03/2021	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/03/2022	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Selenium, Total	ug/L	MW-15D	11/29/2023	ND	1.0000		
Selenium, Total	ug/L	MW-15D	05/10/2024	ND	1.0000		
Thallium, Total	ug/L	MW-15D	09/18/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15D	11/29/2018	ND	1.0000		
Thallium, Total	ug/L	MW-15D	02/04/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	03/25/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/14/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	07/24/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	11/05/2019	ND	1.0000		
Thallium, Total	ug/L	MW-15D	01/29/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/27/2020	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/06/2021	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/11/2022	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/18/2023	ND	1.0000		
Thallium, Total	ug/L	MW-15D	05/10/2024	ND	1.0000		
Total Radium	pCi/L	MW-15D	09/18/2018		1.1700		
Total Radium	pCi/L	MW-15D	11/29/2018		1.6500		
Total Radium	pCi/L	MW-15D	02/04/2019		1.0600		
Total Radium	pCi/L	MW-15D	03/25/2019		1.4600		
Total Radium	pCi/L	MW-15D	05/14/2019		2.0600		
Total Radium	pCi/L	MW-15D	07/24/2019		1.4500		
Total Radium	pCi/L	MW-15D	11/05/2019		1.1000		

* - 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 C-1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Total Radium	pCi/L	MW-15D	01/29/2020		0.8340		
Total Radium	pCi/L	MW-15D	05/27/2020		1.2100		
Total Radium	pCi/L	MW-15D	11/03/2020		1.4300		
Total Radium	pCi/L	MW-15D	05/06/2021		1.7400		
Total Radium	pCi/L	MW-15D	11/03/2021		1.1300		
Total Radium	pCi/L	MW-15D	05/11/2022	ND	2.1300		
Total Radium	pCi/L	MW-15D	11/03/2022		1.3100		
Total Radium	pCi/L	MW-15D	05/18/2023		1.4700		
Total Radium	pCi/L	MW-15D	11/29/2023		1.4100		
Total Radium	pCi/L	MW-15D	05/10/2024		1.2800		

* - 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 C-2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Antimony, Total	ug/L	MW-3D	05/07/2024	ND	1.0000		1.0000
Antimony, Total	ug/L	MW-9D	05/07/2024	ND	1.0000		1.0000
Arsenic, Total	ug/L	MW-3D	05/07/2024		3.3000	***	1.7291
Arsenic, Total	ug/L	MW-9D	05/07/2024		140.0000	***	1.7291
Barium, Total	ug/L	MW-3D	05/07/2024		52.7000	**	79.2376
Barium, Total	ug/L	MW-9D	05/07/2024		66.6000		79.2376
Beryllium, Total	ug/L	MW-3D	05/07/2024	ND	0.2000		0.2000
Beryllium, Total	ug/L	MW-9D	05/07/2024	ND	0.2000		0.2000
Cadmium, Total	ug/L	MW-3D	05/07/2024	ND	2.0000		2.0000
Cadmium, Total	ug/L	MW-9D	05/07/2024	ND	2.0000		2.0000
Chromium, Total	ug/L	MW-3D	05/07/2024	ND	10.0000		10.0000
Chromium, Total	ug/L	MW-9D	05/07/2024	ND	10.0000		10.0000
Cobalt, Total	ug/L	MW-3D	05/07/2024	ND	1.0000		1.0000
Cobalt, Total	ug/L	MW-9D	05/07/2024	ND	1.0000		1.0000
Fluoride	mg/L	MW-3D	05/07/2024		0.2100	***	0.1300
Fluoride	mg/L	MW-9D	05/07/2024		0.7900	***	0.1300
Lead, Total	ug/L	MW-3D	05/07/2024	ND	10.0000		10.0000
Lead, Total	ug/L	MW-9D	05/07/2024	ND	10.0000		10.0000
Lithium, Total	ug/L	MW-3D	05/07/2024	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9D	05/07/2024		36.8000	***	20.0000
Mercury	ug/L	MW-3D	05/07/2024	ND	0.2000		2.0000
Mercury	ug/L	MW-9D	05/07/2024	ND	0.2000		2.0000
Molybdenum, Total	ug/L	MW-3D	05/07/2024	ND	10.0000		10.0000
Molybdenum, Total	ug/L	MW-9D	05/07/2024		71.1000	***	10.0000
Selenium, Total	ug/L	MW-3D	05/07/2024	ND	1.0000		1.0000
Selenium, Total	ug/L	MW-9D	05/07/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-3D	05/07/2024	ND	1.0000		1.0000
Thallium, Total	ug/L	MW-9D	05/07/2024	ND	1.0000		1.0000
Total Radium	pCi/L	MW-3D	05/07/2024	ND	1.8600		2.4415
Total Radium	pCi/L	MW-9D	05/07/2024		1.9000		2.4415

* - 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 C-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	44	0.000
Arsenic, Total	17	17	1.000	26	44	0.591
Barium, Total	17	17	1.000	44	44	1.000
Beryllium, Total	0	15	0.000	0	38	0.000
Cadmium, Total	0	15	0.000	0	38	0.000
Chromium, Total	0	16	0.000	0	40	0.000
Cobalt, Total	0	17	0.000	0	42	0.000
Fluoride	8	17	0.471	46	46	1.000
Lead, Total	0	16	0.000	0	40	0.000
Lithium, Total	0	17	0.000	28	44	0.636
Mercury	0	13	0.000	0	32	0.000
Molybdenum, Total	0	17	0.000	36	44	0.818
Selenium, Total	0	17	0.000	0	44	0.000
Thallium, Total	0	13	0.000	0	34	0.000
Total Radium	16	17	0.941	35	44	0.795

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table C-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	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Arsenic, Total	17	17	1.000	2.622	2.091					2.326	lognor	lognor
Barium, Total	17	17	1.000	1.147	1.045					2.326	normal	normal
Beryllium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Cadmium, Total	0	15	0.000	4.373	4.373					2.326	non-norm	nonpar
Chromium, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Cobalt, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Fluoride	8	17	0.471	4.139	4.127					2.326	non-norm	nonpar
Lead, Total	0	16	0.000	4.567	4.567					2.326	non-norm	nonpar
Lithium, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Mercury	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Molybdenum, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Selenium, Total	0	17	0.000	4.713	4.713					2.326	non-norm	nonpar
Thallium, Total	0	13	0.000	3.936	3.936					2.326	non-norm	nonpar
Total Radium	16	17	0.941	0.410	1.083					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 C-5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony, Total	ug/L	0	17					1.0000	nonpar	***	0.99
Arsenic, Total	ug/L	17	17	0.1879	0.1354	0.0100	2.6566	1.7291	lognor		
Barium, Total	ug/L	17	17	68.4882	4.0463	0.0100	2.6566	79.2376	normal		
Beryllium, Total	ug/L	0	15					0.2000	nonpar	***	0.99
Cadmium, Total	ug/L	0	15					2.0000	nonpar	***	0.99
Chromium, Total	ug/L	0	16					10.0000	nonpar	***	0.99
Cobalt, Total	ug/L	0	17					1.0000	nonpar	***	0.99
Fluoride	mg/L	8	17					0.1300	nonpar		0.99
Lead, Total	ug/L	0	16					10.0000	nonpar	***	0.99
Lithium, Total	ug/L	0	17					20.0000	nonpar	***	0.99
Mercury	ug/L	0	13					2.0000	nonpar	***	0.98
Molybdenum, Total	ug/L	0	17					10.0000	nonpar	***	0.99
Selenium, Total	ug/L	0	17					1.0000	nonpar	***	0.99
Thallium, Total	ug/L	0	13					1.0000	nonpar	***	0.98
Total Radium	pCi/L	16	17	1.2802	0.4371	0.0100	2.6566	2.4415	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 C-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 C-7

Historical Downgradient 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-3D	04/05/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	05/25/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	08/08/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	09/26/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	11/28/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	01/24/2017	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	05/22/2017	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	08/07/2017	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	05/29/2018	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-3D	09/17/2018		2.7000	*	1.7291
Arsenic, Total	ug/L	MW-3D	05/15/2019		2.9000	*	1.7291
Arsenic, Total	ug/L	MW-3D	11/06/2019		2.9000	*	1.7291
Arsenic, Total	ug/L	MW-3D	05/18/2020		3.3000	*	1.7291
Arsenic, Total	ug/L	MW-3D	11/03/2020		2.9000	*	1.7291
Arsenic, Total	ug/L	MW-3D	05/03/2021		3.8000	*	1.7291
Arsenic, Total	ug/L	MW-3D	11/01/2021		3.4000	*	1.7291
Arsenic, Total	ug/L	MW-3D	05/02/2022		3.3000	*	1.7291
Arsenic, Total	ug/L	MW-3D	11/08/2022		4.2000	*	1.7291
Arsenic, Total	ug/L	MW-3D	01/19/2023		3.1000	*	1.7291
Arsenic, Total	ug/L	MW-3D	03/24/2023		3.2000	*	1.7291
Arsenic, Total	ug/L	MW-3D	05/18/2023		4.1000	*	1.7291
Arsenic, Total	ug/L	MW-3D	11/27/2023		3.3000	*	1.7291
Arsenic, Total	ug/L	MW-3D	05/07/2024		3.3000	*	1.7291
Arsenic, Total	ug/L	MW-9D	04/06/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	05/25/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	08/08/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	09/27/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	11/29/2016	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	01/25/2017	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	05/23/2017	ND	10.0000		1.7291

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-9D	08/08/2017	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	05/30/2018	ND	10.0000		1.7291
Arsenic, Total	ug/L	MW-9D	09/17/2018		2.8000	*	1.7291
Arsenic, Total	ug/L	MW-9D	05/16/2019		2.1000	*	1.7291
Arsenic, Total	ug/L	MW-9D	11/06/2019		3.2000	*	1.7291
Arsenic, Total	ug/L	MW-9D	05/19/2020		5.3000	*	1.7291
Arsenic, Total	ug/L	MW-9D	11/04/2020		4.7000	*	1.7291
Arsenic, Total	ug/L	MW-9D	05/03/2021		8.7000	*	1.7291
Arsenic, Total	ug/L	MW-9D	11/04/2021		9.0000	*	1.7291
Arsenic, Total	ug/L	MW-9D	05/06/2022		21.3000	*	1.7291
Arsenic, Total	ug/L	MW-9D	11/02/2022		17.8000	*	1.7291
Arsenic, Total	ug/L	MW-9D	05/24/2023		23.2000	*	1.7291
Arsenic, Total	ug/L	MW-9D	11/03/2023		53.2000	*	1.7291
Arsenic, Total	ug/L	MW-9D	05/07/2024		140.0000	*	1.7291
Barium, Total	ug/L	MW-3D	04/05/2016		42.2000		79.2376
Barium, Total	ug/L	MW-3D	05/25/2016		20.5000		79.2376
Barium, Total	ug/L	MW-3D	08/08/2016		31.6000		79.2376
Barium, Total	ug/L	MW-3D	09/26/2016		47.5000		79.2376
Barium, Total	ug/L	MW-3D	11/28/2016		47.4000		79.2376
Barium, Total	ug/L	MW-3D	01/24/2017		53.2000		79.2376
Barium, Total	ug/L	MW-3D	05/22/2017		62.4000		79.2376
Barium, Total	ug/L	MW-3D	08/07/2017		64.4000		79.2376
Barium, Total	ug/L	MW-3D	05/29/2018		70.5000		79.2376
Barium, Total	ug/L	MW-3D	09/17/2018		75.3000		79.2376
Barium, Total	ug/L	MW-3D	05/15/2019		68.8000		79.2376
Barium, Total	ug/L	MW-3D	11/06/2019		50.8000		79.2376
Barium, Total	ug/L	MW-3D	05/18/2020		49.8000		79.2376
Barium, Total	ug/L	MW-3D	11/03/2020		53.2000		79.2376
Barium, Total	ug/L	MW-3D	05/03/2021		39.3000		79.2376
Barium, Total	ug/L	MW-3D	11/01/2021		66.9000		79.2376

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-3D	05/02/2022		66.0000		79.2376
Barium, Total	ug/L	MW-3D	11/08/2022		85.6000	*	79.2376
Barium, Total	ug/L	MW-3D	01/19/2023		87.9000	*	79.2376
Barium, Total	ug/L	MW-3D	03/24/2023		93.4000	*	79.2376
Barium, Total	ug/L	MW-3D	05/18/2023		93.8000	*	79.2376
Barium, Total	ug/L	MW-3D	11/27/2023		106.0000	*	79.2376
Barium, Total	ug/L	MW-3D	05/07/2024		52.7000		79.2376
Fluoride	mg/L	MW-3D	04/05/2016		0.3300	*	0.1300
Fluoride	mg/L	MW-3D	05/25/2016		0.4300	*	0.1300
Fluoride	mg/L	MW-3D	08/08/2016		0.4100	*	0.1300
Fluoride	mg/L	MW-3D	09/26/2016		0.4400	*	0.1300
Fluoride	mg/L	MW-3D	11/28/2016		0.4200	*	0.1300
Fluoride	mg/L	MW-3D	01/24/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-3D	05/22/2017		0.3800	*	0.1300
Fluoride	mg/L	MW-3D	08/07/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-3D	09/20/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-3D	05/29/2018		0.2900	*	0.1300
Fluoride	mg/L	MW-3D	09/17/2018		0.2800	*	0.1300
Fluoride	mg/L	MW-3D	05/15/2019		0.2400	*	0.1300
Fluoride	mg/L	MW-3D	11/06/2019		0.2100	*	0.1300
Fluoride	mg/L	MW-3D	05/18/2020		0.2300	*	0.1300
Fluoride	mg/L	MW-3D	11/03/2020		0.2000	*	0.1300
Fluoride	mg/L	MW-3D	05/03/2021		0.1800	*	0.1300
Fluoride	mg/L	MW-3D	11/01/2021		0.1500	*	0.1300
Fluoride	mg/L	MW-3D	05/02/2022		0.1400	*	0.1300
Fluoride	mg/L	MW-3D	11/08/2022		0.2500	*	0.1300
Fluoride	mg/L	MW-3D	01/19/2023		0.2100	*	0.1300
Fluoride	mg/L	MW-3D	03/24/2023		0.1900	*	0.1300
Fluoride	mg/L	MW-3D	05/18/2023		0.2300	*	0.1300
Fluoride	mg/L	MW-3D	11/27/2023		0.1600	*	0.1300

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table C-7

Historical Downgradient 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-3D	05/07/2024		0.2100	*	0.1300
Fluoride	mg/L	MW-9D	04/06/2016		0.3400	*	0.1300
Fluoride	mg/L	MW-9D	05/25/2016		0.3900	*	0.1300
Fluoride	mg/L	MW-9D	08/08/2016		0.3900	*	0.1300
Fluoride	mg/L	MW-9D	09/27/2016		0.4000	*	0.1300
Fluoride	mg/L	MW-9D	11/29/2016		0.4400	*	0.1300
Fluoride	mg/L	MW-9D	01/25/2017		0.4000	*	0.1300
Fluoride	mg/L	MW-9D	05/23/2017		0.4600	*	0.1300
Fluoride	mg/L	MW-9D	08/08/2017		0.4900	*	0.1300
Fluoride	mg/L	MW-9D	09/20/2017		0.5200	*	0.1300
Fluoride	mg/L	MW-9D	05/30/2018		0.4500	*	0.1300
Fluoride	mg/L	MW-9D	09/17/2018		0.4300	*	0.1300
Fluoride	mg/L	MW-9D	05/16/2019		0.4400	*	0.1300
Fluoride	mg/L	MW-9D	11/06/2019		0.4400	*	0.1300
Fluoride	mg/L	MW-9D	05/19/2020		0.4600	*	0.1300
Fluoride	mg/L	MW-9D	11/04/2020		0.4200	*	0.1300
Fluoride	mg/L	MW-9D	05/03/2021		0.4000	*	0.1300
Fluoride	mg/L	MW-9D	11/04/2021		0.3600	*	0.1300
Fluoride	mg/L	MW-9D	05/06/2022		0.4800	*	0.1300
Fluoride	mg/L	MW-9D	11/02/2022		0.4500	*	0.1300
Fluoride	mg/L	MW-9D	05/24/2023		0.4800	*	0.1300
Fluoride	mg/L	MW-9D	11/03/2023		0.5700	*	0.1300
Fluoride	mg/L	MW-9D	05/07/2024		0.7900	*	0.1300
Lithium, Total	ug/L	MW-9D	04/06/2016		146.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/25/2016		134.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	08/08/2016		123.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	09/27/2016		102.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/29/2016		119.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	01/25/2017		109.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/23/2017		71.9000	*	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 C-7

Historical Downgradient 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-9D	08/08/2017		65.9000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/30/2018		48.2000	*	20.0000
Lithium, Total	ug/L	MW-9D	09/17/2018		43.5000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/16/2019		44.4000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/06/2019		33.6000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/19/2020		32.1000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/04/2020		25.2000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/03/2021		25.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/04/2021		23.0000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/06/2022		22.6000	*	20.0000
Lithium, Total	ug/L	MW-9D	11/02/2022	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9D	05/24/2023	ND	20.0000		20.0000
Lithium, Total	ug/L	MW-9D	11/03/2023		24.9000	*	20.0000
Lithium, Total	ug/L	MW-9D	05/07/2024		36.8000	*	20.0000
Molybdenum, Total	ug/L	MW-9D	04/06/2016		130.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/25/2016		132.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	08/08/2016		128.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	09/27/2016		122.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/29/2016		140.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	01/25/2017		143.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/23/2017		124.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	08/08/2017		96.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/30/2018		109.0000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	09/17/2018		85.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/16/2019		50.4000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/06/2019		53.3000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/19/2020		55.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/04/2020		45.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/03/2021		49.6000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/04/2021		41.3000	*	10.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

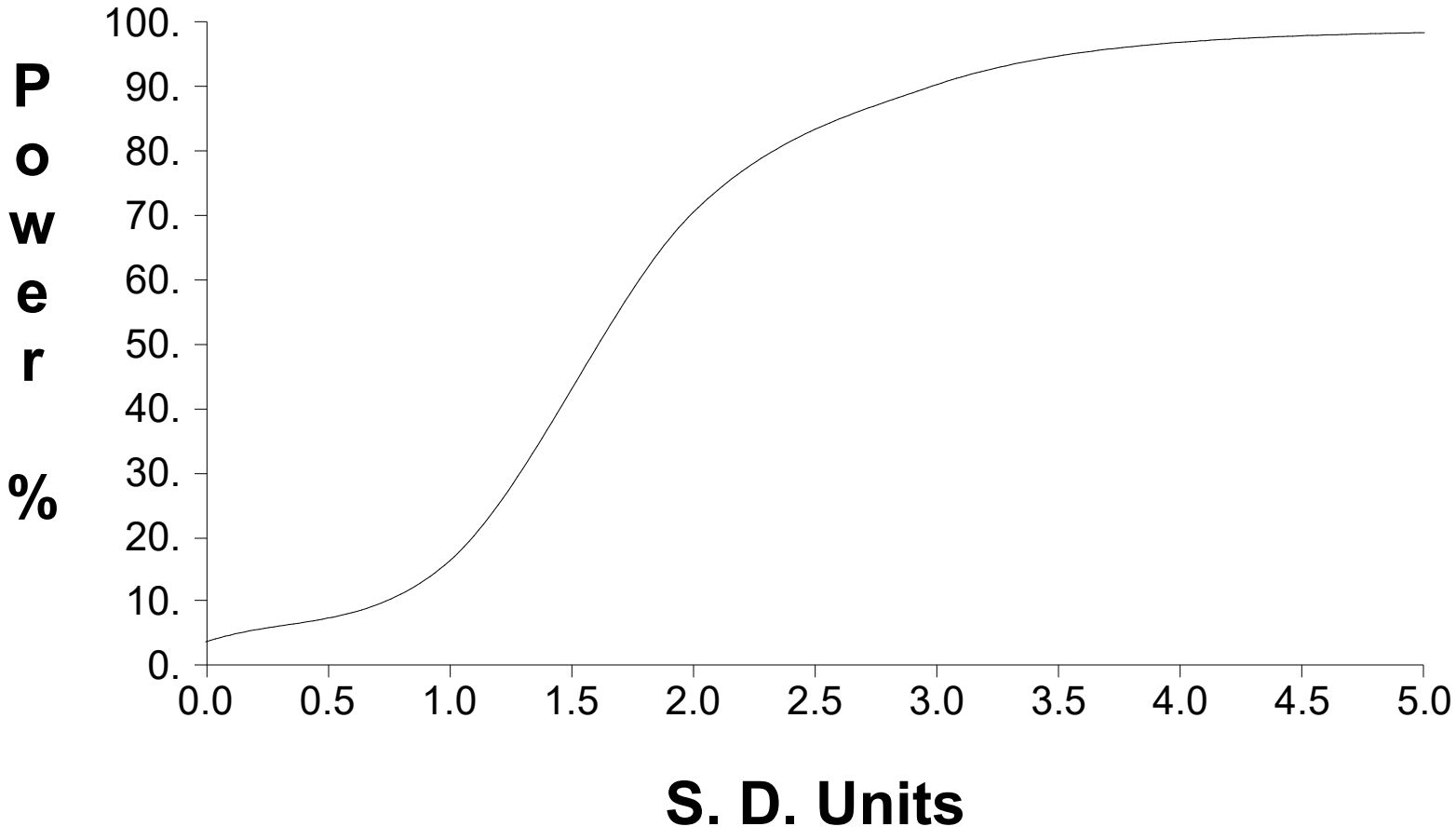
Table C-7

Historical Downgradient 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-9D	05/06/2022		47.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/02/2022		53.2000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/24/2023		47.5000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	11/03/2023		74.4000	*	10.0000
Molybdenum, Total	ug/L	MW-9D	05/07/2024		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.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Appendix C: Statistical Analyses – 95% Lower Confidence Limit Documentation

November 2023

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	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	4	2.425	0.435	1.176	1.913	2.937	6.000		
Antimony, Total	ug/L	MW-13S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	4	3.000	0.000	1.176	3.000	3.000	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-2S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	4	5.125	0.435	1.176	4.613	5.637	6.000	dec	
Antimony, Total	ug/L	MW-4S	4	3.000	0.000	1.176	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7S	4	0.500	0.000	1.176	0.500	0.500	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	9.200	1.738	1.176	7.156	11.244	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	4	384.250	53.965	1.176	320.771	447.729	10.000		**
Arsenic, Total	ug/L	MW-11S	4	5.525	3.436	1.176	1.483	9.567	10.000		
Arsenic, Total	ug/L	MW-12S	4	50.250	9.747	1.176	38.785	61.715	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	4	306.500	17.388	1.176	286.047	326.953	10.000	dec	**
Arsenic, Total	ug/L	MW-14D	4	117.750	8.617	1.176	107.614	127.886	10.000		**
Arsenic, Total	ug/L	MW-1S	4	7.350	1.881	1.176	5.138	9.562	10.000		
Arsenic, Total	ug/L	MW-2D	4	5.175	1.215	1.176	3.746	6.604	10.000		
Arsenic, Total	ug/L	MW-2S	4	11.075	3.293	1.176	7.202	14.948	10.000	dec	
Arsenic, Total	ug/L	MW-3S	4	2.625	1.754	1.176	0.562	4.688	10.000		
Arsenic, Total	ug/L	MW-4S	4	2.650	1.866	1.176	0.455	4.845	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	4	11.650	4.352	1.176	6.531	16.769	10.000		
Arsenic, Total	ug/L	MW-7S	4	381.500	6.245	1.176	374.154	388.846	10.000	inc	**
Arsenic, Total	ug/L	MW-8S	4	0.500	0.000	1.176	0.500	0.500	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 4 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	4	4.125	1.750	1.176	2.066	6.184	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	4	71.925	13.415	1.176	56.145	87.705	2000.000		
Barium, Total	ug/L	MW-11S	4	110.425	49.383	1.176	52.336	168.514	2000.000		
Barium, Total	ug/L	MW-12S	4	32.250	1.779	1.176	30.158	34.342	2000.000	dec	
Barium, Total	ug/L	MW-13S	4	44.600	9.236	1.176	33.736	55.464	2000.000		
Barium, Total	ug/L	MW-14D	4	46.725	10.129	1.176	34.811	58.639	2000.000		
Barium, Total	ug/L	MW-1S	4	67.500	7.685	1.176	58.460	76.540	2000.000		
Barium, Total	ug/L	MW-2D	4	48.275	7.799	1.176	39.101	57.449	2000.000		
Barium, Total	ug/L	MW-2S	4	134.975	64.611	1.176	58.974	210.976	2000.000		
Barium, Total	ug/L	MW-3S	4	47.000	11.714	1.176	33.221	60.779	2000.000		
Barium, Total	ug/L	MW-4S	4	92.625	14.172	1.176	75.954	109.296	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	4	36.975	9.867	1.176	25.369	48.581	2000.000	inc	
Barium, Total	ug/L	MW-6S	4	106.300	18.396	1.176	84.661	127.939	2000.000		
Barium, Total	ug/L	MW-7S	4	39.500	1.703	1.176	37.497	41.503	2000.000	dec	
Barium, Total	ug/L	MW-8S	4	37.175	7.515	1.176	28.335	46.015	2000.000		
Barium, Total	ug/L	MW-9S	4	52.550	1.923	1.176	50.288	54.812	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
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	1.600	0.800	1.176	0.659	2.541	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-13S	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-14D	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-2D	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	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	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		

* - 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-7S	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-8S	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9S	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
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-13S	4	1.000	0.000	1.176	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	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-2D	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-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	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		
Cadmium, Total	ug/L	MW-9SR	2								*
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	7.450	4.900	1.176	1.686	13.214	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-13S	4	5.000	0.000	1.176	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	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-2D	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-4SR	1								*

* - 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	
Chromium, Total	ug/L	MW-5S	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		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11S	4	2.975	1.305	1.176	1.440	4.510	6.000		
Cobalt, Total	ug/L	MW-12S	4	2.500	0.000	1.176	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-14D	4	2.500	0.000	1.176	2.500	2.500	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-2D	4	0.675	0.350	1.176	0.263	1.087	6.000		
Cobalt, Total	ug/L	MW-2S	4	2.150	0.700	1.176	1.327	2.973	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	2.150	0.700	1.176	1.327	2.973	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	4	1.825	0.780	1.176	0.907	2.743	6.000		
Cobalt, Total	ug/L	MW-6S	4	1.950	0.342	1.176	1.548	2.352	6.000		
Cobalt, Total	ug/L	MW-7S	4	2.500	0.000	1.176	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-8S	4	1.350	1.700	1.176	0.000	3.350	6.000		
Cobalt, Total	ug/L	MW-9S	4	2.500	0.000	1.176	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	4	2.850	0.238	1.176	2.570	3.130	4.000		
Fluoride	mg/L	MW-11S	4	1.650	0.129	1.176	1.498	1.802	4.000		
Fluoride	mg/L	MW-12S	4	1.875	0.150	1.176	1.699	2.051	4.000	inc	
Fluoride	mg/L	MW-13S	4	0.933	0.125	1.176	0.786	1.079	4.000	inc	
Fluoride	mg/L	MW-14D	4	0.270	0.041	1.176	0.222	0.318	4.000	dec	
Fluoride	mg/L	MW-1S	4	0.415	0.069	1.176	0.334	0.496	4.000	dec	
Fluoride	mg/L	MW-2D	4	0.825	0.140	1.176	0.660	0.990	4.000	dec	
Fluoride	mg/L	MW-2S	4	0.303	0.066	1.176	0.225	0.380	4.000	dec	
Fluoride	mg/L	MW-3S	4	0.145	0.064	1.176	0.070	0.220	4.000	dec	

* - 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	
Fluoride	mg/L	MW-4S	4	0.063	0.025	1.176	0.033	0.092	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	4	1.575	0.359	1.176	1.152	1.998	4.000	dec	
Fluoride	mg/L	MW-6S	4	1.375	0.150	1.176	1.199	1.551	4.000	inc	
Fluoride	mg/L	MW-7S	4	0.625	0.066	1.176	0.547	0.703	4.000	inc	
Fluoride	mg/L	MW-8S	4	0.120	0.056	1.176	0.054	0.186	4.000	dec	
Fluoride	mg/L	MW-9S	4	0.118	0.081	1.176	0.023	0.212	4.000		
Fluoride	mg/L	MW-9SR	2								*
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-13S	4	5.000	0.000	1.176	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	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-2D	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-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	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		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	4	35.225	3.728	1.176	30.840	39.610	40.000	dec	
Lithium, Total	ug/L	MW-11S	4	13.775	7.550	1.176	4.894	22.656	40.000		
Lithium, Total	ug/L	MW-12S	4	80.775	13.167	1.176	65.287	96.263	40.000	dec	**
Lithium, Total	ug/L	MW-13S	4	60.175	2.869	1.176	56.801	63.549	40.000	dec	**
Lithium, Total	ug/L	MW-14D	4	734.750	175.665	1.176	528.117	941.383	40.000		**
Lithium, Total	ug/L	MW-1S	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2D	4	49.875	3.932	1.176	45.250	54.500	40.000	dec	**

* - 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-2S	4	18.475	10.717	1.176	5.869	31.081	40.000	dec	
Lithium, Total	ug/L	MW-3S	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	4	13.350	6.700	1.176	5.469	21.231	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	4	46.325	1.312	1.176	44.781	47.869	40.000	dec	**
Lithium, Total	ug/L	MW-6S	4	56.400	10.588	1.176	43.945	68.855	40.000	dec	**
Lithium, Total	ug/L	MW-7S	4	81.550	6.440	1.176	73.975	89.125	40.000	dec	**
Lithium, Total	ug/L	MW-8S	4	131.250	29.148	1.176	96.964	165.536	40.000		**
Lithium, Total	ug/L	MW-9S	4	79.600	9.506	1.176	68.418	90.782	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
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-13S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	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-2D	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-4S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	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		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	4	89.300	48.606	1.176	32.126	146.474	100.000	dec	
Molybdenum, Total	ug/L	MW-11S	4	76.600	4.608	1.176	71.180	82.020	100.000		
Molybdenum, Total	ug/L	MW-12S	4	164.000	39.564	1.176	117.461	210.539	100.000		**
Molybdenum, Total	ug/L	MW-13S	4	482.750	94.683	1.176	371.375	594.125	100.000		**
Molybdenum, Total	ug/L	MW-14D	4	226.000	25.910	1.176	195.522	256.478	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	
Molybdenum, Total	ug/L	MW-1S	4	21.375	3.162	1.176	17.656	25.094	100.000	dec	
Molybdenum, Total	ug/L	MW-2D	4	67.075	11.978	1.176	52.986	81.164	100.000	dec	
Molybdenum, Total	ug/L	MW-2S	4	20.550	5.063	1.176	14.595	26.505	100.000	dec	
Molybdenum, Total	ug/L	MW-3S	4	28.675	2.819	1.176	25.359	31.991	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	4	5.000	0.000	1.176	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	4	105.675	40.846	1.176	57.629	153.721	100.000	dec	
Molybdenum, Total	ug/L	MW-6S	4	194.750	30.248	1.176	159.170	230.330	100.000		**
Molybdenum, Total	ug/L	MW-7S	4	539.500	67.214	1.176	460.437	618.563	100.000		**
Molybdenum, Total	ug/L	MW-8S	4	266.250	90.912	1.176	159.312	373.188	100.000		**
Molybdenum, Total	ug/L	MW-9S	4	127.825	49.893	1.176	69.137	186.513	100.000	dec	
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11S	4	1.025	0.050	1.176	0.966	1.084	50.000		
Selenium, Total	ug/L	MW-12S	4	11.750	10.065	1.176	0.000	23.590	50.000		
Selenium, Total	ug/L	MW-13S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	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-2S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	4	10.400	11.024	1.176	0.000	23.367	50.000		
Selenium, Total	ug/L	MW-4S	4	48.275	48.713	1.176	0.000	105.576	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	4	5.825	2.069	1.176	3.391	8.259	50.000		
Selenium, Total	ug/L	MW-7S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-8S	4	5.050	0.100	1.176	4.932	5.168	50.000		
Selenium, Total	ug/L	MW-9S	4	50.975	53.600	1.176	0.000	114.025	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
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		

* - 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-13S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-14D	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-2D	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	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	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		
Thallium, Total	ug/L	MW-8S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	4	1.089	0.199	1.176	0.856	1.323	5.000		
Total Radium	pCi/L	MW-11S	4	0.898	0.038	1.176	0.852	0.943	5.000		
Total Radium	pCi/L	MW-12S	4	1.172	0.424	1.176	0.673	1.670	5.000		
Total Radium	pCi/L	MW-13S	4	1.040	0.381	1.176	0.591	1.488	5.000		
Total Radium	pCi/L	MW-14D	4	1.435	0.447	1.176	0.910	1.960	5.000		
Total Radium	pCi/L	MW-1S	4	1.437	0.441	1.176	0.918	1.955	5.000		
Total Radium	pCi/L	MW-2D	4	1.795	0.217	1.176	1.539	2.051	5.000		
Total Radium	pCi/L	MW-2S	4	2.120	0.799	1.176	1.180	3.060	5.000		
Total Radium	pCi/L	MW-3S	4	0.721	0.177	1.176	0.513	0.928	5.000		
Total Radium	pCi/L	MW-4S	4	0.948	0.235	1.176	0.671	1.224	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	4	1.385	0.545	1.176	0.744	2.026	5.000		
Total Radium	pCi/L	MW-6S	4	0.845	0.019	1.176	0.823	0.867	5.000		
Total Radium	pCi/L	MW-7S	4	1.068	0.251	1.176	0.772	1.364	5.000		
Total Radium	pCi/L	MW-8S	4	0.869	0.219	1.176	0.612	1.126	5.000		
Total Radium	pCi/L	MW-9S	4	1.277	0.464	1.176	0.732	1.823	5.000		
Total Radium	pCi/L	MW-9SR	2								*

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 7 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	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	7	2.971	0.850	0.734	2.347	3.595	6.000		
Antimony, Total	ug/L	MW-13S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	7	3.029	0.180	0.734	2.896	3.161	6.000		
Antimony, Total	ug/L	MW-2S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	7	5.857	1.177	0.734	4.993	6.721	6.000	dec	
Antimony, Total	ug/L	MW-4S	7	3.000	0.000	0.734	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-8S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	7	9.843	2.019	0.734	8.361	11.325	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	7	389.714	45.825	0.734	356.074	423.355	10.000		**
Arsenic, Total	ug/L	MW-11S	7	4.186	2.951	0.734	2.019	6.352	10.000		
Arsenic, Total	ug/L	MW-12S	7	44.671	10.551	0.734	36.926	52.417	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	7	335.429	50.073	0.734	298.670	372.187	10.000	dec	**
Arsenic, Total	ug/L	MW-1S	7	11.800	7.761	0.734	6.103	17.497	10.000		
Arsenic, Total	ug/L	MW-2S	7	13.786	7.579	0.734	8.222	19.349	10.000	dec	
Arsenic, Total	ug/L	MW-3S	7	2.614	1.730	0.734	1.345	3.884	10.000		
Arsenic, Total	ug/L	MW-4S	7	3.657	1.822	0.734	2.320	4.995	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	7	0.500	0.000	0.734	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	7	15.643	10.834	0.734	7.689	23.596	10.000		
Arsenic, Total	ug/L	MW-7S	7	397.571	32.212	0.734	373.924	421.219	10.000	inc	**
Arsenic, Total	ug/L	MW-8S	7	0.500	0.000	0.734	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-9S	7	4.500	1.323	0.734	3.529	5.471	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	7	70.800	15.363	0.734	59.522	82.078	2000.000		
Barium, Total	ug/L	MW-11S	7	95.329	39.676	0.734	66.202	124.455	2000.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 7 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Barium, Total	ug/L	MW-12S	7	30.929	2.405	0.734	29.163	32.694	2000.000	dec	
Barium, Total	ug/L	MW-13S	7	41.600	8.224	0.734	35.563	47.637	2000.000		
Barium, Total	ug/L	MW-1S	7	81.686	26.020	0.734	62.584	100.787	2000.000		
Barium, Total	ug/L	MW-2S	7	124.614	49.348	0.734	88.388	160.841	2000.000		
Barium, Total	ug/L	MW-3S	7	47.129	9.321	0.734	40.286	53.971	2000.000		
Barium, Total	ug/L	MW-4S	7	81.843	21.298	0.734	66.208	97.478	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	7	33.786	8.547	0.734	27.511	40.060	2000.000	inc	
Barium, Total	ug/L	MW-6S	7	110.886	14.396	0.734	100.317	121.454	2000.000		
Barium, Total	ug/L	MW-7S	7	40.157	3.078	0.734	37.897	42.417	2000.000	dec	
Barium, Total	ug/L	MW-8S	7	35.629	6.321	0.734	30.989	40.269	2000.000		
Barium, Total	ug/L	MW-9S	7	49.543	5.114	0.734	45.788	53.297	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
Beryllium, Total	ug/L	MW-10S	5	0.100	0.000	0.953	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11S	7	1.589	0.709	0.734	1.068	2.109	4.000		
Beryllium, Total	ug/L	MW-12S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-1S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-2S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-3S	7	0.100	0.000	0.734	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-6S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-7S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-8S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9S	7	2.000	0.000	0.734	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
Cadmium, Total	ug/L	MW-10S	5	1.000	0.000	0.953	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13S	7	1.000	0.000	0.734	1.000	1.000	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 7 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cadmium, Total	ug/L	MW-1S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-6S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-8S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9SR	2								*
Chromium, Total	ug/L	MW-10S	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11S	7	10.571	11.041	0.734	2.466	18.677	100.000		
Chromium, Total	ug/L	MW-12S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4SR	1								*
Chromium, Total	ug/L	MW-5S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-8S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11S	7	2.771	0.957	0.734	2.069	3.474	6.000		
Cobalt, Total	ug/L	MW-12S	7	2.500	0.000	0.734	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-1S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2S	7	2.129	0.637	0.734	1.661	2.596	6.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 7 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cobalt, Total	ug/L	MW-3S	7	0.500	0.000	0.734	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	7	2.300	0.529	0.734	1.912	2.688	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	7	1.729	0.727	0.734	1.195	2.263	6.000		
Cobalt, Total	ug/L	MW-6S	7	1.829	0.293	0.734	1.614	2.043	6.000		
Cobalt, Total	ug/L	MW-7S	7	2.357	0.378	0.734	2.080	2.635	6.000		
Cobalt, Total	ug/L	MW-8S	7	0.986	1.285	0.734	0.042	1.929	6.000		
Cobalt, Total	ug/L	MW-9S	7	2.500	0.000	0.734	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	7	2.686	0.267	0.734	2.490	2.882	4.000	inc	
Fluoride	mg/L	MW-11S	7	1.571	0.150	0.734	1.462	1.681	4.000		
Fluoride	mg/L	MW-12S	7	1.786	0.177	0.734	1.656	1.916	4.000	inc	
Fluoride	mg/L	MW-13S	7	0.917	0.096	0.734	0.846	0.988	4.000	inc	
Fluoride	mg/L	MW-1S	7	0.366	0.085	0.734	0.304	0.428	4.000	dec	
Fluoride	mg/L	MW-2S	7	0.350	0.101	0.734	0.276	0.424	4.000	dec	
Fluoride	mg/L	MW-3S	7	0.157	0.052	0.734	0.119	0.195	4.000	dec	
Fluoride	mg/L	MW-4S	7	0.086	0.034	0.734	0.061	0.111	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	7	1.814	0.449	0.734	1.485	2.144	4.000	dec	
Fluoride	mg/L	MW-6S	7	1.343	0.127	0.734	1.249	1.436	4.000	inc	
Fluoride	mg/L	MW-7S	7	0.579	0.075	0.734	0.523	0.634	4.000	inc	
Fluoride	mg/L	MW-8S	7	0.114	0.050	0.734	0.078	0.151	4.000	dec	
Fluoride	mg/L	MW-9S	7	0.089	0.067	0.734	0.039	0.138	4.000		
Fluoride	mg/L	MW-9SR	2								*
Lead, Total	ug/L	MW-10S	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11S	7	6.486	3.931	0.734	3.600	9.371	15.000		
Lead, Total	ug/L	MW-12S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4S	7	5.000	0.000	0.734	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 7 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lead, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-7S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-8S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	7	41.343	8.399	0.734	35.177	47.509	40.000		
Lithium, Total	ug/L	MW-11S	7	12.157	5.707	0.734	7.967	16.347	40.000		
Lithium, Total	ug/L	MW-12S	7	96.014	22.016	0.734	79.852	112.177	40.000	dec	**
Lithium, Total	ug/L	MW-13S	7	63.686	5.764	0.734	59.454	67.917	40.000	dec	**
Lithium, Total	ug/L	MW-1S	7	10.000	0.000	0.734	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2S	7	16.700	9.006	0.734	10.089	23.311	40.000	dec	
Lithium, Total	ug/L	MW-3S	7	10.000	0.000	0.734	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	7	11.914	5.065	0.734	8.196	15.632	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	7	46.300	4.418	0.734	43.057	49.543	40.000	dec	**
Lithium, Total	ug/L	MW-6S	7	60.443	9.714	0.734	53.312	67.574	40.000	dec	**
Lithium, Total	ug/L	MW-7S	7	82.929	5.111	0.734	79.176	86.681	40.000	dec	**
Lithium, Total	ug/L	MW-8S	7	139.000	30.139	0.734	116.875	161.125	40.000		**
Lithium, Total	ug/L	MW-9S	7	84.143	8.998	0.734	77.538	90.748	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
Mercury	ug/L	MW-10S	3								*
Mercury	ug/L	MW-11S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-12S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-13S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-1S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-2S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-3S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-4S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	7	1.000	0.000	0.734	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 7 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Mercury	ug/L	MW-6S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-7S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-8S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-9S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	7	82.571	35.431	0.734	56.561	108.582	100.000		
Molybdenum, Total	ug/L	MW-11S	7	77.243	3.607	0.734	74.595	79.891	100.000		
Molybdenum, Total	ug/L	MW-12S	7	211.143	67.202	0.734	161.809	260.477	100.000		**
Molybdenum, Total	ug/L	MW-13S	7	556.857	125.441	0.734	464.770	648.944	100.000		**
Molybdenum, Total	ug/L	MW-1S	7	23.400	3.522	0.734	20.814	25.986	100.000	dec	
Molybdenum, Total	ug/L	MW-2S	7	27.371	9.285	0.734	20.555	34.188	100.000	dec	
Molybdenum, Total	ug/L	MW-3S	7	34.014	7.600	0.734	28.435	39.593	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	7	136.243	54.080	0.734	96.542	175.944	100.000	dec	
Molybdenum, Total	ug/L	MW-6S	7	198.857	23.871	0.734	181.334	216.381	100.000		**
Molybdenum, Total	ug/L	MW-7S	7	591.429	82.302	0.734	531.010	651.847	100.000		**
Molybdenum, Total	ug/L	MW-8S	7	317.286	118.953	0.734	229.961	404.610	100.000		**
Molybdenum, Total	ug/L	MW-9S	7	147.900	52.805	0.734	109.136	186.664	100.000	dec	**
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	7	0.500	0.000	0.734	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11S	7	1.014	0.038	0.734	0.987	1.042	50.000		
Selenium, Total	ug/L	MW-12S	7	8.343	8.376	0.734	2.194	14.492	50.000		
Selenium, Total	ug/L	MW-13S	7	0.500	0.000	0.734	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	7	0.500	0.000	0.734	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	7	0.500	0.000	0.734	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	7	8.029	8.674	0.734	1.661	14.396	50.000		
Selenium, Total	ug/L	MW-4S	7	35.429	38.904	0.734	6.869	63.988	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	7	0.500	0.000	0.734	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	7	5.457	1.649	0.734	4.247	6.668	50.000		
Selenium, Total	ug/L	MW-7S	7	0.500	0.000	0.734	0.500	0.500	50.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 7 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Selenium, Total	ug/L	MW-8S	7	4.086	1.648	0.734	2.876	5.295	50.000		
Selenium, Total	ug/L	MW-9S	7	51.414	60.380	0.734	7.089	95.740	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
Thallium, Total	ug/L	MW-10S	3								*
Thallium, Total	ug/L	MW-11S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-12S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-13S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-1S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-2S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-3S	7	0.500	0.000	0.734	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-6S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-7S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-8S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	7	1.500	1.145	0.734	0.659	2.340	5.000		
Total Radium	pCi/L	MW-11S	7	1.084	0.269	0.734	0.887	1.282	5.000		
Total Radium	pCi/L	MW-12S	7	1.183	0.352	0.734	0.924	1.441	5.000		
Total Radium	pCi/L	MW-13S	7	1.347	0.501	0.734	0.979	1.715	5.000		
Total Radium	pCi/L	MW-1S	7	1.925	1.012	0.734	1.182	2.668	5.000		
Total Radium	pCi/L	MW-2S	7	2.285	1.217	0.734	1.392	3.178	5.000		
Total Radium	pCi/L	MW-3S	7	0.748	0.129	0.734	0.653	0.843	5.000		
Total Radium	pCi/L	MW-4S	7	0.947	0.203	0.734	0.798	1.096	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	7	1.251	0.433	0.734	0.933	1.568	5.000		
Total Radium	pCi/L	MW-6S	7	0.837	0.030	0.734	0.815	0.859	5.000		
Total Radium	pCi/L	MW-7S	7	1.175	0.263	0.734	0.982	1.368	5.000		
Total Radium	pCi/L	MW-8S	7	0.871	0.155	0.734	0.758	0.985	5.000		
Total Radium	pCi/L	MW-9S	7	1.241	0.353	0.734	0.982	1.500	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 7 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Total Radium	pCi/L	MW-9SR	2								*

* - 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	
Antimony, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	8	2.975	0.787	0.670	2.448	3.502	6.000		
Antimony, Total	ug/L	MW-13S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	8	3.025	0.167	0.670	2.913	3.137	6.000		
Antimony, Total	ug/L	MW-2S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	8	6.013	1.175	0.670	5.225	6.800	6.000	dec	
Antimony, Total	ug/L	MW-4S	8	3.000	0.000	0.670	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-8S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	8	10.175	2.092	0.670	8.774	11.576	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	8	385.750	43.882	0.670	356.357	415.143	10.000		**
Arsenic, Total	ug/L	MW-11S	8	5.387	4.361	0.670	2.466	8.309	10.000		
Arsenic, Total	ug/L	MW-12S	8	41.113	14.027	0.670	31.717	50.508	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	8	332.375	47.156	0.670	300.789	363.961	10.000	dec	**
Arsenic, Total	ug/L	MW-1S	8	11.875	7.188	0.670	7.060	16.690	10.000		
Arsenic, Total	ug/L	MW-2S	8	13.188	7.218	0.670	8.353	18.022	10.000	dec	
Arsenic, Total	ug/L	MW-3S	8	2.475	1.649	0.670	1.370	3.580	10.000		
Arsenic, Total	ug/L	MW-4S	8	3.825	1.752	0.670	2.651	4.999	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	8	0.500	0.000	0.670	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	8	16.663	10.437	0.670	9.672	23.653	10.000		
Arsenic, Total	ug/L	MW-7S	8	393.750	31.721	0.670	372.503	414.997	10.000	inc	**
Arsenic, Total	ug/L	MW-8S	8	0.500	0.000	0.670	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-9S	8	4.563	1.237	0.670	3.734	5.391	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	8	72.088	14.683	0.670	62.253	81.922	2000.000		
Barium, Total	ug/L	MW-11S	8	121.412	82.415	0.670	66.210	176.615	2000.000		

* - 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	
Barium, Total	ug/L	MW-12S	8	31.700	3.118	0.670	29.612	33.788	2000.000	dec	
Barium, Total	ug/L	MW-13S	8	40.838	7.913	0.670	35.537	46.138	2000.000		
Barium, Total	ug/L	MW-1S	8	80.200	24.454	0.670	63.820	96.580	2000.000		
Barium, Total	ug/L	MW-2S	8	119.800	47.673	0.670	87.868	151.732	2000.000		
Barium, Total	ug/L	MW-3S	8	46.312	8.933	0.670	40.329	52.296	2000.000		
Barium, Total	ug/L	MW-4S	8	83.338	20.167	0.670	69.830	96.845	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	8	33.163	8.107	0.670	27.732	38.593	2000.000	inc	
Barium, Total	ug/L	MW-6S	8	114.650	17.059	0.670	103.224	126.076	2000.000		
Barium, Total	ug/L	MW-7S	8	39.738	3.087	0.670	37.670	41.805	2000.000	dec	
Barium, Total	ug/L	MW-8S	8	35.675	5.853	0.670	31.754	39.596	2000.000		
Barium, Total	ug/L	MW-9S	8	48.925	5.047	0.670	45.544	52.306	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
Beryllium, Total	ug/L	MW-10S	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11S	8	1.640	0.672	0.670	1.190	2.090	4.000		
Beryllium, Total	ug/L	MW-12S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-1S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-2S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-3S	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-6S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-7S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-8S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
Cadmium, Total	ug/L	MW-10S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13S	8	1.000	0.000	0.670	1.000	1.000	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 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cadmium, Total	ug/L	MW-1S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-6S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-8S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9SR	2								*
Chromium, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11S	8	9.875	10.410	0.670	2.902	16.848	100.000		
Chromium, Total	ug/L	MW-12S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4SR	1								*
Chromium, Total	ug/L	MW-5S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-6S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-8S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-11S	8	3.763	2.940	0.670	1.793	5.732	6.000		
Cobalt, Total	ug/L	MW-12S	8	2.500	0.000	0.670	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-1S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2S	8	2.175	0.604	0.670	1.770	2.580	6.000		

* - 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	
Cobalt, Total	ug/L	MW-3S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	8	2.325	0.495	0.670	1.993	2.657	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	8	1.662	0.699	0.670	1.194	2.131	6.000		
Cobalt, Total	ug/L	MW-6S	8	1.900	0.338	0.670	1.674	2.126	6.000		
Cobalt, Total	ug/L	MW-7S	8	2.375	0.354	0.670	2.138	2.612	6.000		
Cobalt, Total	ug/L	MW-8S	8	0.925	1.202	0.670	0.120	1.730	6.000		
Cobalt, Total	ug/L	MW-9S	8	2.500	0.000	0.670	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	8	2.600	0.346	0.670	2.368	2.832	4.000	inc	
Fluoride	mg/L	MW-11S	8	1.575	0.139	0.670	1.482	1.668	4.000		
Fluoride	mg/L	MW-12S	8	1.656	0.401	0.670	1.387	1.925	4.000	inc	
Fluoride	mg/L	MW-13S	8	0.919	0.089	0.670	0.859	0.979	4.000	inc	
Fluoride	mg/L	MW-1S	8	0.365	0.078	0.670	0.313	0.417	4.000	dec	
Fluoride	mg/L	MW-2S	8	0.379	0.124	0.670	0.296	0.462	4.000	dec	
Fluoride	mg/L	MW-3S	8	0.170	0.060	0.670	0.130	0.210	4.000	dec	
Fluoride	mg/L	MW-4S	8	0.089	0.033	0.670	0.067	0.111	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	8	1.900	0.481	0.670	1.578	2.222	4.000	dec	
Fluoride	mg/L	MW-6S	8	1.300	0.169	0.670	1.187	1.413	4.000	inc	
Fluoride	mg/L	MW-7S	8	0.578	0.070	0.670	0.531	0.624	4.000	inc	
Fluoride	mg/L	MW-8S	8	0.114	0.046	0.670	0.083	0.145	4.000	dec	
Fluoride	mg/L	MW-9S	8	0.084	0.064	0.670	0.041	0.127	4.000		
Fluoride	mg/L	MW-9SR	2								*
Lead, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11S	8	6.300	3.677	0.670	3.837	8.763	15.000		
Lead, Total	ug/L	MW-12S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4S	8	5.000	0.000	0.670	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 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lead, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-6S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-7S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-8S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	8	45.650	14.453	0.670	35.969	55.331	40.000	dec	
Lithium, Total	ug/L	MW-11S	8	15.800	11.579	0.670	8.044	23.556	40.000		
Lithium, Total	ug/L	MW-12S	8	104.013	30.451	0.670	83.616	124.409	40.000	dec	**
Lithium, Total	ug/L	MW-13S	8	66.175	8.835	0.670	60.257	72.093	40.000	dec	**
Lithium, Total	ug/L	MW-1S	8	10.000	0.000	0.670	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2S	8	15.862	8.668	0.670	10.057	21.668	40.000	dec	
Lithium, Total	ug/L	MW-3S	8	10.000	0.000	0.670	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	8	13.200	5.934	0.670	9.225	17.175	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	8	48.000	6.313	0.670	43.772	52.228	40.000	dec	**
Lithium, Total	ug/L	MW-6S	8	63.450	12.378	0.670	55.159	71.741	40.000	dec	**
Lithium, Total	ug/L	MW-7S	8	83.450	4.957	0.670	80.130	86.770	40.000	dec	**
Lithium, Total	ug/L	MW-8S	8	137.125	28.402	0.670	118.101	156.149	40.000		**
Lithium, Total	ug/L	MW-9S	8	87.875	13.447	0.670	78.868	96.882	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
Mercury	ug/L	MW-10S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-11S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-12S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-13S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-1S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-2S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-3S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-4S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	8	1.000	0.000	0.670	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	
Mercury	ug/L	MW-6S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-7S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-8S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-9S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	8	82.588	32.803	0.670	60.616	104.559	100.000		
Molybdenum, Total	ug/L	MW-11S	8	78.000	3.967	0.670	75.343	80.657	100.000		
Molybdenum, Total	ug/L	MW-12S	8	220.125	67.204	0.670	175.111	265.139	100.000		**
Molybdenum, Total	ug/L	MW-13S	8	580.500	134.013	0.670	490.736	670.264	100.000		**
Molybdenum, Total	ug/L	MW-1S	8	25.125	5.868	0.670	21.194	29.056	100.000	dec	
Molybdenum, Total	ug/L	MW-2S	8	27.425	8.598	0.670	21.666	33.184	100.000	dec	
Molybdenum, Total	ug/L	MW-3S	8	35.913	8.850	0.670	29.984	41.841	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	8	148.087	60.243	0.670	107.736	188.439	100.000	dec	**
Molybdenum, Total	ug/L	MW-6S	8	192.250	28.942	0.670	172.864	211.636	100.000		**
Molybdenum, Total	ug/L	MW-7S	8	605.625	86.129	0.670	547.934	663.316	100.000		**
Molybdenum, Total	ug/L	MW-8S	8	315.875	110.202	0.670	242.060	389.690	100.000		**
Molybdenum, Total	ug/L	MW-9S	8	165.663	70.100	0.670	118.708	212.617	100.000	dec	**
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11S	8	1.013	0.035	0.670	0.989	1.036	50.000		
Selenium, Total	ug/L	MW-12S	8	7.925	7.844	0.670	2.671	13.179	50.000		
Selenium, Total	ug/L	MW-13S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	8	8.050	8.031	0.670	2.671	13.429	50.000		
Selenium, Total	ug/L	MW-4S	8	33.488	36.434	0.670	9.083	57.892	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	8	5.238	1.648	0.670	4.133	6.342	50.000		
Selenium, Total	ug/L	MW-7S	8	0.500	0.000	0.670	0.500	0.500	50.000		

* - 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	
Selenium, Total	ug/L	MW-8S	8	3.875	1.638	0.670	2.778	4.972	50.000		
Selenium, Total	ug/L	MW-9S	8	45.613	58.260	0.670	6.589	84.636	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
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	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-12S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-13S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-1S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-2S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-3S	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-6S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-7S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-8S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	8	1.436	1.075	0.670	0.716	2.156	5.000		
Total Radium	pCi/L	MW-11S	8	1.047	0.271	0.670	0.866	1.228	5.000		
Total Radium	pCi/L	MW-12S	8	1.254	0.383	0.670	0.997	1.510	5.000		
Total Radium	pCi/L	MW-13S	8	1.282	0.499	0.670	0.948	1.616	5.000		
Total Radium	pCi/L	MW-1S	8	1.802	1.000	0.670	1.132	2.471	5.000		
Total Radium	pCi/L	MW-2S	8	2.170	1.173	0.670	1.384	2.955	5.000		
Total Radium	pCi/L	MW-3S	8	0.753	0.121	0.670	0.672	0.834	5.000		
Total Radium	pCi/L	MW-4S	8	0.926	0.198	0.670	0.793	1.058	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	8	1.281	0.410	0.670	1.006	1.555	5.000		
Total Radium	pCi/L	MW-6S	8	0.838	0.028	0.670	0.819	0.857	5.000		
Total Radium	pCi/L	MW-7S	8	1.145	0.258	0.670	0.972	1.317	5.000		
Total Radium	pCi/L	MW-8S	8	0.908	0.176	0.670	0.790	1.025	5.000		
Total Radium	pCi/L	MW-9S	8	1.227	0.329	0.670	1.007	1.448	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 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Total Radium	pCi/L	MW-9SR	2								*

* - 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	
Antimony, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	12	3.375	1.500	0.518	2.598	4.152	6.000		
Antimony, Total	ug/L	MW-13S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	12	3.150	1.116	0.518	2.571	3.729	6.000		
Antimony, Total	ug/L	MW-2S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	12	6.842	1.600	0.518	6.012	7.671	6.000	dec	**
Antimony, Total	ug/L	MW-4S	12	3.000	0.000	0.518	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	12	0.558	0.202	0.518	0.454	0.663	6.000		
Antimony, Total	ug/L	MW-7S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-8S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	12	11.233	2.363	0.518	10.009	12.458	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	8	385.750	43.882	0.670	356.357	415.143	10.000		**
Arsenic, Total	ug/L	MW-11S	12	4.717	3.664	0.518	2.818	6.615	10.000		
Arsenic, Total	ug/L	MW-12S	12	33.033	16.403	0.518	24.533	41.533	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	12	335.833	40.280	0.518	314.960	356.707	10.000	dec	**
Arsenic, Total	ug/L	MW-1S	12	17.267	13.464	0.514	10.342	24.191	10.000		**
Arsenic, Total	ug/L	MW-2S	12	13.800	5.968	0.518	10.707	16.893	10.000	dec	**
Arsenic, Total	ug/L	MW-3S	12	2.575	1.537	0.518	1.778	3.372	10.000		
Arsenic, Total	ug/L	MW-4S	12	4.217	1.513	0.518	3.433	5.001	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	12	0.500	0.000	0.518	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	12	15.417	8.593	0.518	10.964	19.869	10.000		**
Arsenic, Total	ug/L	MW-7S	12	386.167	39.061	0.518	365.925	406.408	10.000	inc	**
Arsenic, Total	ug/L	MW-8S	12	0.500	0.000	0.518	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-9S	12	4.708	1.010	0.518	4.185	5.232	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	8	72.088	14.683	0.670	62.253	81.922	2000.000		
Barium, Total	ug/L	MW-11S	12	115.642	69.994	0.518	79.371	151.913	2000.000		

* - 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	
Barium, Total	ug/L	MW-12S	12	33.667	3.849	0.518	31.672	35.661	2000.000	dec	
Barium, Total	ug/L	MW-13S	12	36.583	8.977	0.518	31.931	41.235	2000.000		
Barium, Total	ug/L	MW-1S	12	101.658	61.997	0.518	69.531	133.786	2000.000		
Barium, Total	ug/L	MW-2S	12	121.058	46.288	0.518	97.072	145.045	2000.000		
Barium, Total	ug/L	MW-3S	12	45.167	9.885	0.518	40.044	50.289	2000.000		
Barium, Total	ug/L	MW-4S	12	92.250	25.051	0.518	79.268	105.232	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	12	31.500	7.218	0.518	27.760	35.240	2000.000	inc	
Barium, Total	ug/L	MW-6S	12	112.400	18.026	0.518	103.059	121.741	2000.000		
Barium, Total	ug/L	MW-7S	12	40.583	4.105	0.518	38.456	42.711	2000.000	dec	
Barium, Total	ug/L	MW-8S	12	36.258	4.775	0.518	33.784	38.733	2000.000		
Barium, Total	ug/L	MW-9S	12	44.692	7.862	0.518	40.617	48.766	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
Beryllium, Total	ug/L	MW-10S	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11S	12	1.760	0.565	0.518	1.467	2.053	4.000		
Beryllium, Total	ug/L	MW-12S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-1S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-2S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-3S	12	0.100	0.000	0.518	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-6S	9	0.100	0.000	0.620	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-7S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-8S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
Cadmium, Total	ug/L	MW-10S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13S	12	1.000	0.000	0.518	1.000	1.000	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 12 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Cadmium, Total	ug/L	MW-1S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-6S	9	1.000	0.000	0.620	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-8S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9SR	2								*
Chromium, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11S	12	10.675	9.945	0.518	5.522	15.828	100.000		
Chromium, Total	ug/L	MW-12S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4SR	1								*
Chromium, Total	ug/L	MW-5S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-6S	11	5.000	0.000	0.546	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-8S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-11S	12	4.008	3.162	0.518	2.370	5.647	6.000		
Cobalt, Total	ug/L	MW-12S	12	2.500	0.000	0.518	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-1S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2S	12	2.283	0.508	0.518	2.020	2.546	6.000		

* - 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	
Cobalt, Total	ug/L	MW-3S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	12	2.383	0.404	0.518	2.174	2.593	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	12	1.942	0.693	0.518	1.582	2.301	6.000		
Cobalt, Total	ug/L	MW-6S	11	2.064	0.398	0.546	1.846	2.281	6.000		
Cobalt, Total	ug/L	MW-7S	12	2.225	0.510	0.518	1.961	2.489	6.000		
Cobalt, Total	ug/L	MW-8S	12	0.783	0.981	0.518	0.275	1.292	6.000		
Cobalt, Total	ug/L	MW-9S	12	2.500	0.000	0.518	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	8	2.600	0.346	0.670	2.368	2.832	4.000	inc	
Fluoride	mg/L	MW-11S	12	1.525	0.136	0.518	1.455	1.595	4.000		
Fluoride	mg/L	MW-12S	12	1.273	0.652	0.518	0.935	1.610	4.000	inc	
Fluoride	mg/L	MW-13S	12	0.892	0.085	0.518	0.848	0.936	4.000	inc	
Fluoride	mg/L	MW-1S	12	0.423	0.118	0.518	0.362	0.485	4.000	dec	
Fluoride	mg/L	MW-2S	12	0.633	0.459	0.518	0.395	0.870	4.000	dec	
Fluoride	mg/L	MW-3S	12	0.228	0.118	0.518	0.167	0.290	4.000	dec	
Fluoride	mg/L	MW-4S	12	0.092	0.031	0.518	0.075	0.108	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	12	2.300	0.732	0.518	1.920	2.680	4.000	dec	
Fluoride	mg/L	MW-6S	12	1.173	0.271	0.518	1.033	1.314	4.000		
Fluoride	mg/L	MW-7S	12	0.538	0.083	0.518	0.494	0.581	4.000	inc	
Fluoride	mg/L	MW-8S	12	0.117	0.046	0.518	0.093	0.140	4.000	dec	
Fluoride	mg/L	MW-9S	12	0.085	0.057	0.518	0.056	0.114	4.000		
Fluoride	mg/L	MW-9SR	2								*
Lead, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11S	12	6.533	3.617	0.518	4.659	8.408	15.000		
Lead, Total	ug/L	MW-12S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4S	12	5.000	0.000	0.518	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 12 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lead, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-6S	10	5.000	0.000	0.580	5.000	5.000	15.000		
Lead, Total	ug/L	MW-7S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-8S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	8	45.650	14.453	0.670	35.969	55.331	40.000	dec	
Lithium, Total	ug/L	MW-11S	12	13.867	9.669	0.518	8.856	18.877	40.000		
Lithium, Total	ug/L	MW-12S	12	125.842	41.222	0.518	104.480	147.203	40.000	dec	**
Lithium, Total	ug/L	MW-13S	12	73.350	13.843	0.518	66.176	80.524	40.000	dec	**
Lithium, Total	ug/L	MW-1S	12	11.142	3.955	0.518	9.092	13.191	40.000		
Lithium, Total	ug/L	MW-2S	12	17.817	8.535	0.518	13.394	22.240	40.000	dec	
Lithium, Total	ug/L	MW-3S	12	10.000	0.000	0.518	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	12	14.325	6.466	0.518	10.974	17.676	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	12	51.300	7.402	0.518	47.464	55.136	40.000	dec	**
Lithium, Total	ug/L	MW-6S	12	70.442	19.219	0.518	60.482	80.401	40.000		**
Lithium, Total	ug/L	MW-7S	12	88.392	9.183	0.518	83.633	93.151	40.000	dec	**
Lithium, Total	ug/L	MW-8S	12	139.500	25.646	0.518	126.210	152.790	40.000		**
Lithium, Total	ug/L	MW-9S	12	93.075	14.953	0.518	85.326	100.824	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
Mercury	ug/L	MW-10S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-11S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-12S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-13S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-1S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-2S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-3S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	12	1.000	0.000	0.518	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 12 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Mercury	ug/L	MW-6S	7	1.000	0.000	0.734	1.000	1.000	2.000		
Mercury	ug/L	MW-7S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-8S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	8	82.588	32.803	0.670	60.616	104.559	100.000		
Molybdenum, Total	ug/L	MW-11S	12	76.733	3.734	0.518	74.798	78.669	100.000		
Molybdenum, Total	ug/L	MW-12S	12	232.917	57.916	0.518	202.904	262.929	100.000		**
Molybdenum, Total	ug/L	MW-13S	12	643.750	143.303	0.518	569.489	718.011	100.000		**
Molybdenum, Total	ug/L	MW-1S	12	32.508	13.587	0.518	25.467	39.549	100.000	dec	
Molybdenum, Total	ug/L	MW-2S	12	37.583	21.965	0.518	26.201	48.966	100.000	dec	
Molybdenum, Total	ug/L	MW-3S	12	41.925	14.474	0.518	34.424	49.426	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	12	194.142	84.908	0.518	150.142	238.141	100.000	dec	**
Molybdenum, Total	ug/L	MW-6S	12	174.633	43.963	0.518	151.852	197.415	100.000		**
Molybdenum, Total	ug/L	MW-7S	12	589.500	75.952	0.518	550.142	628.858	100.000		**
Molybdenum, Total	ug/L	MW-8S	12	343.000	109.902	0.518	286.048	399.952	100.000		**
Molybdenum, Total	ug/L	MW-9S	12	237.442	121.688	0.518	174.382	300.501	100.000	dec	**
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11S	12	1.008	0.029	0.518	0.993	1.023	50.000		
Selenium, Total	ug/L	MW-12S	12	6.950	6.421	0.518	3.623	10.277	50.000		
Selenium, Total	ug/L	MW-13S	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	12	7.858	7.152	0.518	4.152	11.565	50.000		
Selenium, Total	ug/L	MW-4S	12	30.033	30.067	0.518	14.452	45.614	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	12	2.758	2.702	0.518	1.358	4.159	50.000		
Selenium, Total	ug/L	MW-7S	12	0.500	0.000	0.518	0.500	0.500	50.000		

* - 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	
Selenium, Total	ug/L	MW-8S	12	3.967	1.585	0.518	3.145	4.788	50.000		
Selenium, Total	ug/L	MW-9S	12	32.075	50.595	0.518	5.857	58.293	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
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	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-12S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-13S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-1S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-2S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-3S	12	0.500	0.000	0.518	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-6S	7	0.500	0.000	0.734	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-7S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-8S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	8	1.436	1.075	0.670	0.716	2.156	5.000		
Total Radium	pCi/L	MW-11S	12	1.179	0.475	0.518	0.933	1.425	5.000		
Total Radium	pCi/L	MW-12S	12	1.312	0.589	0.518	1.007	1.617	5.000		
Total Radium	pCi/L	MW-13S	12	1.231	0.442	0.518	1.002	1.460	5.000		
Total Radium	pCi/L	MW-1S	12	2.389	1.511	0.518	1.606	3.172	5.000		
Total Radium	pCi/L	MW-2S	12	2.057	1.020	0.518	1.529	2.586	5.000		
Total Radium	pCi/L	MW-3S	12	0.762	0.119	0.518	0.700	0.824	5.000		
Total Radium	pCi/L	MW-4S	12	1.021	0.322	0.518	0.854	1.188	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	12	1.305	0.356	0.518	1.121	1.490	5.000		
Total Radium	pCi/L	MW-6S	12	1.044	0.410	0.518	0.831	1.256	5.000		
Total Radium	pCi/L	MW-7S	12	1.333	0.397	0.518	1.127	1.539	5.000		
Total Radium	pCi/L	MW-8S	12	0.967	0.256	0.518	0.834	1.100	5.000		
Total Radium	pCi/L	MW-9S	12	1.138	0.295	0.518	0.985	1.291	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 12 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Total Radium	pCi/L	MW-9SR	2								*

* - 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	
Antimony, Total	ug/L	MW-10D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-10S	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-13D	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-7D	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-10D	4	126.525	30.992	1.176	90.069	162.981	10.000	dec	**
Arsenic, Total	ug/L	MW-10S	4	384.250	53.965	1.176	320.771	447.729	10.000		**
Arsenic, Total	ug/L	MW-11D	4	15.900	1.186	1.176	14.505	17.295	10.000	inc	**
Arsenic, Total	ug/L	MW-12D	4	343.250	41.931	1.176	293.926	392.574	10.000		**
Arsenic, Total	ug/L	MW-13D	4	234.500	7.416	1.176	225.776	243.224	10.000		**
Arsenic, Total	ug/L	MW-1D	4	4.100	0.548	1.176	3.456	4.744	10.000		
Arsenic, Total	ug/L	MW-7D	4	455.500	22.113	1.176	429.488	481.512	10.000		**
Arsenic, Total	ug/L	MW-9I	4	27.800	18.489	1.176	6.051	49.549	10.000		
Barium, Total	ug/L	MW-10D	4	28.375	4.141	1.176	23.504	33.246	2000.000		
Barium, Total	ug/L	MW-10S	4	71.925	13.415	1.176	56.145	87.705	2000.000		
Barium, Total	ug/L	MW-11D	4	23.400	2.121	1.176	20.905	25.895	2000.000	dec	
Barium, Total	ug/L	MW-12D	4	29.875	4.639	1.176	24.418	35.332	2000.000		
Barium, Total	ug/L	MW-13D	4	31.625	2.651	1.176	28.506	34.744	2000.000		
Barium, Total	ug/L	MW-1D	4	84.275	8.963	1.176	73.731	94.819	2000.000	inc	
Barium, Total	ug/L	MW-7D	4	41.975	1.676	1.176	40.003	43.947	2000.000	dec	
Barium, Total	ug/L	MW-9I	4	73.000	8.680	1.176	62.790	83.210	2000.000	inc	
Beryllium, Total	ug/L	MW-10D	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-10S	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-11D	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-12D	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13D	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-7D	4	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9I	4	2.000	0.000	1.176	2.000	2.000	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	
Cadmium, Total	ug/L	MW-10D	4	1.000	0.000	1.176	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-10S	4	1.000	0.000	1.176	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-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-13D	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-7D	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-10D	4	5.000	0.000	1.176	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-10S	4	5.000	0.000	1.176	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-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-13D	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-7D	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		
Cobalt, Total	ug/L	MW-10D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-10S	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-13D	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-7D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-9I	4	0.500	0.000	1.176	0.500	0.500	6.000		
Fluoride	mg/L	MW-10D	4	2.125	0.287	1.176	1.787	2.463	4.000		
Fluoride	mg/L	MW-10S	4	2.850	0.238	1.176	2.570	3.130	4.000		
Fluoride	mg/L	MW-11D	4	0.338	0.045	1.176	0.285	0.390	4.000		
Fluoride	mg/L	MW-12D	4	1.575	0.222	1.176	1.314	1.836	4.000	inc	
Fluoride	mg/L	MW-13D	4	0.645	0.077	1.176	0.555	0.735	4.000	inc	
Fluoride	mg/L	MW-1D	4	0.425	0.010	1.176	0.413	0.437	4.000		
Fluoride	mg/L	MW-7D	4	0.483	0.021	1.176	0.458	0.507	4.000	inc	
Fluoride	mg/L	MW-9I	4	0.890	0.254	1.176	0.592	1.188	4.000	inc	

* - 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-10D	4	5.000	0.000	1.176	5.000	5.000	15.000		
Lead, Total	ug/L	MW-10S	4	5.000	0.000	1.176	5.000	5.000	15.000		
Lead, Total	ug/L	MW-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-13D	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-7D	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		
Lithium, Total	ug/L	MW-10D	4	50.400	10.738	1.176	37.769	63.031	40.000	dec	
Lithium, Total	ug/L	MW-10S	4	35.225	3.728	1.176	30.840	39.610	40.000	dec	
Lithium, Total	ug/L	MW-11D	4	138.250	6.994	1.176	130.023	146.477	40.000		**
Lithium, Total	ug/L	MW-12D	4	65.725	12.709	1.176	50.775	80.675	40.000	dec	**
Lithium, Total	ug/L	MW-13D	4	72.425	4.784	1.176	66.797	78.053	40.000	dec	**
Lithium, Total	ug/L	MW-1D	4	10.000	0.000	1.176	10.000	10.000	40.000	dec	
Lithium, Total	ug/L	MW-7D	4	92.350	8.170	1.176	82.740	101.960	40.000	dec	**
Lithium, Total	ug/L	MW-9I	4	20.800	7.353	1.176	12.151	29.449	40.000	dec	
Mercury	ug/L	MW-10D	4	1.000	0.000	1.176	1.000	1.000	2.000		
Mercury	ug/L	MW-10S	4	1.000	0.000	1.176	1.000	1.000	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	1.200	0.400	1.176	0.729	1.671	2.000		
Mercury	ug/L	MW-13D	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-7D	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		
Molybdenum, Total	ug/L	MW-10D	4	81.525	13.514	1.176	65.628	97.422	100.000	dec	
Molybdenum, Total	ug/L	MW-10S	4	89.300	48.606	1.176	32.126	146.474	100.000	dec	
Molybdenum, Total	ug/L	MW-11D	4	5.000	0.000	1.176	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-12D	4	144.750	22.706	1.176	118.041	171.459	100.000	dec	**
Molybdenum, Total	ug/L	MW-13D	4	455.000	99.623	1.176	337.815	572.185	100.000		**
Molybdenum, Total	ug/L	MW-1D	4	28.075	7.782	1.176	18.921	37.229	100.000	dec	
Molybdenum, Total	ug/L	MW-7D	4	560.250	69.840	1.176	478.098	642.402	100.000	inc	**
Molybdenum, Total	ug/L	MW-9I	4	108.400	13.564	1.176	92.445	124.355	100.000	dec	

* - 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-10S	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-13D	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-7D	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		
Thallium, Total	ug/L	MW-10D	4	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-10S	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-12D	4	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-13D	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-7D	4	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9I	4	1.000	0.000	1.176	1.000	1.000	2.000		
Total Radium	pCi/L	MW-10D	4	1.288	0.192	1.176	1.061	1.514	5.000		
Total Radium	pCi/L	MW-10S	4	1.089	0.199	1.176	0.856	1.323	5.000		
Total Radium	pCi/L	MW-11D	4	1.060	0.446	1.176	0.535	1.584	5.000		
Total Radium	pCi/L	MW-12D	4	1.080	0.221	1.176	0.820	1.339	5.000		
Total Radium	pCi/L	MW-13D	4	1.730	0.337	1.176	1.334	2.126	5.000		
Total Radium	pCi/L	MW-1D	4	1.300	0.198	1.176	1.067	1.533	5.000		
Total Radium	pCi/L	MW-7D	4	1.207	0.397	1.176	0.740	1.674	5.000		
Total Radium	pCi/L	MW-9I	4	1.014	0.212	1.176	0.765	1.264	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
Antimony, Total	ug/L	MW-3D	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-3D	4	3.425	0.457	1.176	2.887	3.963	10.000	
Arsenic, Total	ug/L	MW-9D	4	28.875	16.370	1.176	9.619	48.131	10.000	
Barium, Total	ug/L	MW-3D	4	95.275	7.640	1.176	86.288	104.262	2000.000	inc
Barium, Total	ug/L	MW-9D	4	53.875	7.001	1.176	45.640	62.110	2000.000	inc
Beryllium, Total	ug/L	MW-3D	4	0.100	0.000	1.176	0.100	0.100	4.000	
Beryllium, Total	ug/L	MW-9D	4	2.000	0.000	1.176	2.000	2.000	4.000	
Cadmium, Total	ug/L	MW-3D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Cadmium, Total	ug/L	MW-9D	4	1.000	0.000	1.176	1.000	1.000	5.000	
Chromium, Total	ug/L	MW-3D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Chromium, Total	ug/L	MW-9D	4	5.000	0.000	1.176	5.000	5.000	100.000	
Cobalt, Total	ug/L	MW-3D	4	0.500	0.000	1.176	0.500	0.500	6.000	
Cobalt, Total	ug/L	MW-9D	4	0.500	0.000	1.176	0.500	0.500	6.000	
Fluoride	mg/L	MW-3D	4	0.198	0.030	1.176	0.162	0.233	4.000	dec
Fluoride	mg/L	MW-9D	4	0.495	0.052	1.176	0.434	0.556	4.000	
Lead, Total	ug/L	MW-3D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lead, Total	ug/L	MW-9D	4	5.000	0.000	1.176	5.000	5.000	15.000	
Lithium, Total	ug/L	MW-3D	4	10.000	0.000	1.176	10.000	10.000	40.000	
Lithium, Total	ug/L	MW-9D	4	16.875	7.994	1.176	7.472	26.278	40.000	dec
Mercury	ug/L	MW-3D	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	
Molybdenum, Total	ug/L	MW-3D	4	5.550	0.656	1.176	4.779	6.321	100.000	dec
Molybdenum, Total	ug/L	MW-9D	4	55.650	12.786	1.176	40.611	70.689	100.000	dec
Selenium, Total	ug/L	MW-3D	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	
Thallium, Total	ug/L	MW-3D	4	0.500	0.000	1.176	0.500	0.500	2.000	
Thallium, Total	ug/L	MW-9D	4	1.000	0.000	1.176	1.000	1.000	2.000	
Total Radium	pCi/L	MW-3D	4	1.099	0.360	1.176	0.676	1.522	5.000	
Total Radium	pCi/L	MW-9D	4	0.908	0.373	1.176	0.469	1.346	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 6 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	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-13D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9I	6	0.500	0.000	0.822	0.500	0.500	6.000		
Arsenic, Total	ug/L	MW-10D	6	154.850	55.630	0.822	109.101	200.599	10.000		**
Arsenic, Total	ug/L	MW-11D	6	15.642	1.023	0.822	14.800	16.483	10.000	inc	**
Arsenic, Total	ug/L	MW-12D	6	377.333	62.972	0.822	325.546	429.120	10.000		**
Arsenic, Total	ug/L	MW-13D	6	235.167	6.795	0.822	229.579	240.754	10.000		**
Arsenic, Total	ug/L	MW-14D	6	119.500	9.586	0.822	111.616	127.384	10.000		**
Arsenic, Total	ug/L	MW-1D	6	4.283	0.941	0.822	3.509	5.057	10.000		
Arsenic, Total	ug/L	MW-2D	6	4.500	1.466	0.822	3.295	5.705	10.000		
Arsenic, Total	ug/L	MW-3D	6	3.533	0.484	0.822	3.135	3.932	10.000		
Arsenic, Total	ug/L	MW-7D	6	459.167	19.020	0.822	443.525	474.809	10.000		**
Arsenic, Total	ug/L	MW-9D	6	22.200	16.363	0.822	8.744	35.656	10.000	inc	
Arsenic, Total	ug/L	MW-9I	6	20.200	18.540	0.822	4.953	35.447	10.000	inc	
Barium, Total	ug/L	MW-10D	6	28.867	3.954	0.822	25.615	32.118	2000.000		
Barium, Total	ug/L	MW-11D	6	23.950	2.066	0.822	22.251	25.649	2000.000	dec	
Barium, Total	ug/L	MW-12D	6	29.117	3.814	0.822	25.980	32.254	2000.000		
Barium, Total	ug/L	MW-13D	6	35.217	9.483	0.822	27.418	43.016	2000.000		
Barium, Total	ug/L	MW-14D	6	51.583	12.515	0.822	41.291	61.875	2000.000		
Barium, Total	ug/L	MW-1D	6	81.100	8.685	0.822	73.958	88.242	2000.000	inc	
Barium, Total	ug/L	MW-2D	6	48.050	8.662	0.822	40.926	55.174	2000.000		
Barium, Total	ug/L	MW-3D	6	88.783	13.213	0.822	77.917	99.649	2000.000	inc	
Barium, Total	ug/L	MW-7D	6	43.933	5.053	0.822	39.778	48.089	2000.000	dec	
Barium, Total	ug/L	MW-9D	6	52.833	6.319	0.822	47.637	58.030	2000.000		

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 6 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Barium, Total	ug/L	MW-9I	6	72.483	6.882	0.822	66.823	78.143	2000.000		
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	6	2.000	0.000	0.822	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-12D	6	2.000	0.000	0.822	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13D	6	2.000	0.000	0.822	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-14D	6	2.000	0.000	0.822	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-1D	6	2.000	0.000	0.822	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-2D	6	2.000	0.000	0.822	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-3D	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-7D	6	2.000	0.000	0.822	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9D	6	0.100	0.000	0.822	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-10D	5	1.000	0.000	0.953	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-1D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7D	6	1.183	0.449	0.822	0.814	1.553	5.000		
Cadmium, Total	ug/L	MW-9D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9I	5	1.000	0.000	0.953	1.000	1.000	5.000		
Chromium, Total	ug/L	MW-10D	5	5.000	0.000	0.953	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-12D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7D	6	5.000	0.000	0.822	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 6 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Chromium, Total	ug/L	MW-9D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9I	5	5.000	0.000	0.953	5.000	5.000	100.000		
Cobalt, Total	ug/L	MW-10D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-12D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-13D	6	0.600	0.245	0.822	0.399	0.801	6.000		
Cobalt, Total	ug/L	MW-14D	6	2.283	0.531	0.822	1.847	2.720	6.000		
Cobalt, Total	ug/L	MW-1D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	6	0.617	0.286	0.822	0.382	0.852	6.000		
Cobalt, Total	ug/L	MW-3D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-7D	6	0.717	0.531	0.822	0.280	1.153	6.000		
Cobalt, Total	ug/L	MW-9D	6	0.500	0.000	0.822	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-9I	6	0.500	0.000	0.822	0.500	0.500	6.000		
Fluoride	mg/L	MW-10D	6	2.183	0.306	0.822	1.932	2.435	4.000		
Fluoride	mg/L	MW-11D	6	0.327	0.052	0.822	0.284	0.369	4.000		
Fluoride	mg/L	MW-12D	6	1.483	0.223	0.822	1.300	1.667	4.000	inc	
Fluoride	mg/L	MW-13D	6	0.622	0.071	0.822	0.563	0.680	4.000	inc	
Fluoride	mg/L	MW-14D	6	0.222	0.094	0.822	0.144	0.299	4.000	dec	
Fluoride	mg/L	MW-1D	6	0.373	0.084	0.822	0.304	0.443	4.000		
Fluoride	mg/L	MW-2D	6	0.838	0.111	0.822	0.747	0.929	4.000	dec	
Fluoride	mg/L	MW-3D	6	0.197	0.042	0.822	0.162	0.231	4.000	dec	
Fluoride	mg/L	MW-7D	6	0.445	0.061	0.822	0.395	0.495	4.000	inc	
Fluoride	mg/L	MW-9D	6	0.457	0.073	0.822	0.397	0.517	4.000		
Fluoride	mg/L	MW-9I	6	0.918	0.201	0.822	0.753	1.084	4.000		
Lead, Total	ug/L	MW-10D	5	5.000	0.000	0.953	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-12D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3D	6	5.000	0.000	0.822	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 6 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lead, Total	ug/L	MW-7D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9D	6	5.000	0.000	0.822	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9I	5	5.000	0.000	0.953	5.000	5.000	15.000		
Lithium, Total	ug/L	MW-10D	6	53.133	10.867	0.822	44.197	62.070	40.000		**
Lithium, Total	ug/L	MW-11D	6	140.667	7.174	0.822	134.767	146.566	40.000		**
Lithium, Total	ug/L	MW-12D	6	71.333	15.475	0.822	58.607	84.060	40.000	dec	**
Lithium, Total	ug/L	MW-13D	6	74.517	6.216	0.822	69.405	79.628	40.000	dec	**
Lithium, Total	ug/L	MW-14D	6	749.833	139.274	0.822	635.297	864.370	40.000		**
Lithium, Total	ug/L	MW-1D	6	14.500	6.972	0.822	8.767	20.233	40.000	dec	
Lithium, Total	ug/L	MW-2D	6	49.317	5.915	0.822	44.452	54.181	40.000	dec	**
Lithium, Total	ug/L	MW-3D	6	10.000	0.000	0.822	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-7D	6	94.883	7.692	0.822	88.557	101.209	40.000	dec	**
Lithium, Total	ug/L	MW-9D	6	19.250	7.230	0.822	13.304	25.196	40.000		
Lithium, Total	ug/L	MW-9I	6	23.700	7.281	0.822	17.712	29.688	40.000		
Mercury	ug/L	MW-10D	3								*
Mercury	ug/L	MW-11D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Mercury	ug/L	MW-12D	6	1.133	0.327	0.822	0.865	1.402	2.000		
Mercury	ug/L	MW-13D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Mercury	ug/L	MW-1D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Mercury	ug/L	MW-2D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Mercury	ug/L	MW-3D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Mercury	ug/L	MW-7D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Mercury	ug/L	MW-9D	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-9I	3								*
Molybdenum, Total	ug/L	MW-10D	6	84.567	12.204	0.822	74.530	94.603	100.000		
Molybdenum, Total	ug/L	MW-11D	6	5.000	0.000	0.822	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-12D	6	154.667	23.372	0.822	135.446	173.888	100.000	dec	**
Molybdenum, Total	ug/L	MW-13D	6	530.167	148.902	0.822	407.712	652.621	100.000		**
Molybdenum, Total	ug/L	MW-14D	6	229.833	24.293	0.822	209.855	249.812	100.000		**
Molybdenum, Total	ug/L	MW-1D	6	30.950	7.747	0.822	24.579	37.321	100.000	dec	
Molybdenum, Total	ug/L	MW-2D	6	63.500	10.805	0.822	54.614	72.386	100.000	dec	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 6 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Molybdenum, Total	ug/L	MW-3D	6	5.367	0.582	0.822	4.888	5.845	100.000	dec	
Molybdenum, Total	ug/L	MW-7D	6	605.500	88.692	0.822	532.561	678.439	100.000	inc	**
Molybdenum, Total	ug/L	MW-9D	6	52.250	11.520	0.822	42.776	61.724	100.000		
Molybdenum, Total	ug/L	MW-9I	6	115.100	15.173	0.822	102.622	127.578	100.000		**
Selenium, Total	ug/L	MW-10D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-12D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-13D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-7D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-9D	6	0.500	0.000	0.822	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-9I	6	0.500	0.000	0.822	0.500	0.500	50.000		
Thallium, Total	ug/L	MW-10D	3								*
Thallium, Total	ug/L	MW-11D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-12D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-13D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-14D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-1D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-2D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-3D	6	0.500	0.000	0.822	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-7D	6	1.000	0.000	0.822	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9D	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-9I	3								*
Total Radium	pCi/L	MW-10D	6	1.382	0.313	0.822	1.124	1.639	5.000		
Total Radium	pCi/L	MW-11D	6	0.999	0.382	0.822	0.685	1.313	5.000		
Total Radium	pCi/L	MW-12D	6	1.008	0.212	0.822	0.833	1.183	5.000		
Total Radium	pCi/L	MW-13D	6	1.692	0.285	0.822	1.457	1.926	5.000		
Total Radium	pCi/L	MW-14D	6	1.550	0.430	0.822	1.196	1.904	5.000		
Total Radium	pCi/L	MW-1D	6	1.370	0.357	0.822	1.076	1.664	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 6 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Total Radium	pCi/L	MW-2D	6	1.767	0.192	0.822	1.608	1.925	5.000		
Total Radium	pCi/L	MW-3D	6	1.036	0.301	0.822	0.789	1.283	5.000		
Total Radium	pCi/L	MW-7D	6	1.228	0.330	0.822	0.957	1.499	5.000		
Total Radium	pCi/L	MW-9D	6	1.117	0.440	0.822	0.755	1.479	5.000		
Total Radium	pCi/L	MW-9I	6	1.160	0.356	0.822	0.867	1.452	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 8 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	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-13D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1D	8	0.825	0.919	0.670	0.209	1.441	6.000		
Antimony, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9I	8	0.500	0.000	0.670	0.500	0.500	6.000		
Arsenic, Total	ug/L	MW-10D	8	182.763	69.874	0.670	135.960	229.565	10.000	dec	**
Arsenic, Total	ug/L	MW-11D	8	15.494	0.971	0.670	14.843	16.144	10.000	inc	**
Arsenic, Total	ug/L	MW-12D	8	383.000	81.184	0.670	328.622	437.378	10.000		**
Arsenic, Total	ug/L	MW-13D	8	234.500	7.426	0.670	229.526	239.474	10.000		**
Arsenic, Total	ug/L	MW-14D	8	119.125	10.696	0.670	111.960	126.290	10.000		**
Arsenic, Total	ug/L	MW-1D	8	10.463	16.274	0.670	0.000	21.363	10.000		
Arsenic, Total	ug/L	MW-2D	8	4.088	1.541	0.670	3.055	5.120	10.000		
Arsenic, Total	ug/L	MW-3D	8	3.550	0.424	0.670	3.266	3.834	10.000		
Arsenic, Total	ug/L	MW-7D	8	453.000	26.279	0.670	435.398	470.602	10.000		**
Arsenic, Total	ug/L	MW-9D	8	17.900	15.958	0.670	7.211	28.589	10.000	inc	
Arsenic, Total	ug/L	MW-9I	8	16.250	17.293	0.670	4.667	27.833	10.000	inc	
Barium, Total	ug/L	MW-10D	8	29.913	4.132	0.670	27.145	32.680	2000.000		
Barium, Total	ug/L	MW-11D	8	25.275	3.284	0.670	23.076	27.474	2000.000	dec	
Barium, Total	ug/L	MW-12D	8	28.700	3.315	0.670	26.480	30.920	2000.000		
Barium, Total	ug/L	MW-13D	8	34.412	8.177	0.670	28.935	39.890	2000.000		
Barium, Total	ug/L	MW-14D	8	52.338	11.025	0.670	44.953	59.722	2000.000		
Barium, Total	ug/L	MW-1D	8	83.825	14.329	0.670	74.227	93.423	2000.000	inc	
Barium, Total	ug/L	MW-2D	8	57.700	22.430	0.670	42.676	72.724	2000.000		
Barium, Total	ug/L	MW-3D	8	79.862	21.259	0.670	65.623	94.102	2000.000	inc	
Barium, Total	ug/L	MW-7D	8	43.113	4.817	0.670	39.886	46.339	2000.000	dec	
Barium, Total	ug/L	MW-9D	8	52.075	5.625	0.670	48.308	55.842	2000.000		

* - 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	
Barium, Total	ug/L	MW-9I	8	70.775	6.666	0.670	66.310	75.240	2000.000		
Beryllium, Total	ug/L	MW-10D	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11D	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-12D	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13D	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-14D	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-1D	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-2D	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-3D	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-7D	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9D	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-9I	6	0.100	0.000	0.822	0.100	0.100	4.000		
Cadmium, Total	ug/L	MW-10D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-1D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7D	8	1.138	0.389	0.670	0.877	1.398	5.000		
Cadmium, Total	ug/L	MW-9D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9I	6	1.000	0.000	0.822	1.000	1.000	5.000		
Chromium, Total	ug/L	MW-10D	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-12D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7D	8	5.000	0.000	0.670	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 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Chromium, Total	ug/L	MW-9D	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9I	7	5.000	0.000	0.734	5.000	5.000	100.000		
Cobalt, Total	ug/L	MW-10D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-12D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-13D	8	0.575	0.212	0.670	0.433	0.717	6.000		
Cobalt, Total	ug/L	MW-14D	8	2.338	0.460	0.670	2.030	2.645	6.000		
Cobalt, Total	ug/L	MW-1D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-3D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-7D	8	0.663	0.460	0.670	0.355	0.970	6.000		
Cobalt, Total	ug/L	MW-9D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-9I	8	0.500	0.000	0.670	0.500	0.500	6.000		
Fluoride	mg/L	MW-10D	8	2.275	0.311	0.670	2.067	2.483	4.000		
Fluoride	mg/L	MW-11D	8	0.345	0.058	0.670	0.306	0.384	4.000		
Fluoride	mg/L	MW-12D	8	1.371	0.282	0.670	1.182	1.560	4.000	inc	
Fluoride	mg/L	MW-13D	8	0.618	0.061	0.670	0.576	0.659	4.000	inc	
Fluoride	mg/L	MW-14D	8	0.205	0.102	0.670	0.137	0.273	4.000	dec	
Fluoride	mg/L	MW-1D	8	0.354	0.082	0.670	0.299	0.409	4.000		
Fluoride	mg/L	MW-2D	8	0.904	0.162	0.670	0.795	1.012	4.000	dec	
Fluoride	mg/L	MW-3D	8	0.189	0.039	0.670	0.163	0.215	4.000	dec	
Fluoride	mg/L	MW-7D	8	0.435	0.055	0.670	0.398	0.472	4.000	inc	
Fluoride	mg/L	MW-9D	8	0.453	0.063	0.670	0.410	0.495	4.000		
Fluoride	mg/L	MW-9I	8	0.878	0.187	0.670	0.752	1.003	4.000		
Lead, Total	ug/L	MW-10D	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-12D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3D	8	5.000	0.000	0.670	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 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Lead, Total	ug/L	MW-7D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9D	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9I	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lithium, Total	ug/L	MW-10D	8	54.188	9.784	0.670	47.634	60.741	40.000		**
Lithium, Total	ug/L	MW-11D	8	140.000	6.547	0.670	135.615	144.385	40.000		**
Lithium, Total	ug/L	MW-12D	8	81.125	22.396	0.670	66.124	96.126	40.000	dec	**
Lithium, Total	ug/L	MW-13D	8	77.937	9.426	0.670	71.624	84.251	40.000	dec	**
Lithium, Total	ug/L	MW-14D	8	720.500	163.860	0.670	610.745	830.255	40.000		**
Lithium, Total	ug/L	MW-1D	8	16.838	10.405	0.670	9.868	23.807	40.000	dec	
Lithium, Total	ug/L	MW-2D	8	49.263	6.028	0.670	45.225	53.300	40.000	dec	**
Lithium, Total	ug/L	MW-3D	8	10.000	0.000	0.670	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-7D	8	95.625	7.413	0.670	90.659	100.591	40.000	dec	**
Lithium, Total	ug/L	MW-9D	8	21.600	7.725	0.670	16.426	26.774	40.000		
Lithium, Total	ug/L	MW-9I	8	24.513	6.629	0.670	20.072	28.953	40.000		
Mercury	ug/L	MW-10D	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-11D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-12D	8	1.100	0.283	0.670	0.911	1.289	2.000		
Mercury	ug/L	MW-13D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-1D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-2D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-3D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-7D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-9D	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-9I	4	0.100	0.000	1.176	0.100	0.100	2.000		
Molybdenum, Total	ug/L	MW-10D	8	83.600	11.288	0.670	76.039	91.161	100.000		
Molybdenum, Total	ug/L	MW-11D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-12D	8	169.375	34.409	0.670	146.327	192.423	100.000	dec	**
Molybdenum, Total	ug/L	MW-13D	8	615.125	201.541	0.670	480.130	750.120	100.000		**
Molybdenum, Total	ug/L	MW-14D	8	228.125	28.317	0.670	209.158	247.092	100.000		**
Molybdenum, Total	ug/L	MW-1D	8	33.150	8.188	0.670	27.666	38.634	100.000	dec	
Molybdenum, Total	ug/L	MW-2D	8	68.400	13.293	0.670	59.496	77.304	100.000	dec	

* - 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-3D	8	5.275	0.520	0.670	4.926	5.624	100.000	dec	
Molybdenum, Total	ug/L	MW-7D	8	633.250	91.475	0.670	571.979	694.521	100.000	inc	**
Molybdenum, Total	ug/L	MW-9D	8	51.775	10.156	0.670	44.972	58.578	100.000		
Molybdenum, Total	ug/L	MW-9I	8	109.463	16.632	0.670	98.322	120.603	100.000		
Selenium, Total	ug/L	MW-10D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-11D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-12D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-13D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-7D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-9D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-9I	8	0.500	0.000	0.670	0.500	0.500	50.000		
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	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-12D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-13D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-14D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-1D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-2D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-3D	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-7D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9D	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		
Total Radium	pCi/L	MW-10D	8	1.350	0.323	0.670	1.134	1.567	5.000		
Total Radium	pCi/L	MW-11D	8	0.999	0.323	0.670	0.783	1.216	5.000		
Total Radium	pCi/L	MW-12D	8	1.008	0.191	0.670	0.880	1.136	5.000		
Total Radium	pCi/L	MW-13D	8	1.581	0.350	0.670	1.346	1.815	5.000		
Total Radium	pCi/L	MW-14D	8	1.604	0.384	0.670	1.347	1.861	5.000		
Total Radium	pCi/L	MW-1D	8	1.590	0.768	0.670	1.075	2.105	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 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Total Radium	pCi/L	MW-2D	8	2.047	0.790	0.670	1.518	2.577	5.000		
Total Radium	pCi/L	MW-3D	8	1.065	0.314	0.670	0.854	1.275	5.000		
Total Radium	pCi/L	MW-7D	8	1.162	0.314	0.670	0.952	1.372	5.000		
Total Radium	pCi/L	MW-9D	8	1.107	0.380	0.670	0.852	1.361	5.000		
Total Radium	pCi/L	MW-9I	8	1.331	0.534	0.670	0.973	1.689	5.000		

* - 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
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through May 2023 - MW-15S dry well November 2023)	1	6.4	75.9648	0.2	2	10	2.3	0.14	10	20	2	10	1.3	1	1.32
MW-1S	September 2018	2	0	7	2	1	5	2	0.593	5	7	1	46	5	1	0.896
	May 2019	2	0	3	2	1	5	2	0.519	5	7	1	41	5	1	0.648
	November 2019	1	0	33	2	1	5	2	0.425	5	5	1	32	5	1	1.431
	May 2020	1	6	51	2	1	5	2	0.343	5	5	1	29	5	1	0.304
	November 2020	2	3	54	2	1	5	2	0.326	5	5	1	22	5	1	0.508
	May 2021	2	8	76	2	1	5	2	0.254	5	10	1	22	5	1	1.088
	November 2021	2.754	7.106 **12.950 (N=8)**	57.491	2.000	1.000	5.000	2.500	0.251	5.000	10.000	1.000	22.132	5.000	1.000	0.597 1.758 (N=8)
	May 2022	2.754	5.729 **11.84 (N=8)**	57.546	2.000	1.000	5.000	2.500	0.244	5.000	10.000	1.000	24.358	5.000	1.000	0.608
	November 2022	2.832	1.632 **14.632 (N=16)**	43.071	2.000	1.000	5	0.5	0.237	5.000	10.000	1.000	19.721	0.500	1.000	0.496
	May 2023	0.500	5.81 7.413 (N=8) **10.4 (N=10)**	58.654	0.100	1.000	5	0.5	0.326	5.000	10.000	1.000	18.449	0.500	0.500	0.787
	November 2023	3.000	5.138 7.060 (N=8) 9.891 (N=11)	58.460	2.000	1.000	5	0.5	0.334	5.000	10.000	1.000	17.656	0.500	1.000	0.918
MW-2S	September 2018	3	**14**	80	2	1	5	2	1.186	5	17	1	71	5	1	1.152
	May 2019	3	**12**	81	2	1	5	2	0.895	5	1	1	35	5	1	0.973
	November 2019	3	**12**	64	2	1	5	2	0.587	5	13	1	25	5	1	1.000
	May 2020	3	**10**	62	2	1	5	2	0.363	5	7	1	14	5	1	0.990
	November 2020	3	9	82	2	1	5	1	0.298	5	7	1	28	5	1	1.106
	May 2021	3	6	68	2	1	5	1	0.294	5	7	1	28	5	1	0.429
	November 2021	3.000	3.608 **10.671 (N=8)**	77.945	2.000	1.000	5.000	1.494	0.306	5.000	5.604	1.000	28.934	5.000	1.000	0.335
	May 2022	3.000	3.507 9.341 (N=8) **13.893 (N=14)**	83.59	2.000	1.000	5.000	1.494	0.294	5.000	5.604	1.000	18.78	5.000	1.000	0.470
	November 2022	0.500	3.167 **13.973 (N=15)**	52.529	0.100	1.000	5	0.5	0.302	5.000	6.078	1.000	14.273	0.500	0.500	0.841
	May 2023	0.500	3.72 8.582 (N=8) **10.485 (N=11)**	52.243	0.100	1.000	5	0.5	0.255	5.000	6.078	1.000	11.174	0.500	0.500	1.152
	November 2023	0.500	7.202 8.353 (N=8) **10.707 (N=12)**	58.974	2.000	1.000	5	1.327	0.225	5.000	5.869	1.000	14.595	0.500	1.000	1.180

Table 1: 95% LCL Compared to GWPS - Shallow Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through May 2023 - MW-15S dry well November 2023)	1	6.4	75.9648	0.2	2	10	2.3	0.14	10	20	2	10	1.3	1	1.32
MW-2D	September 2018	3	2	27	2	1	5	2	2.532	5	35	1	**202**	5	1	0.958
	May 2019	3	1	39	2	1	5	2	1.763	5	20	1	**120**	5	1	0.990
	November 2019	3	1	48	2	1	5	2	1.209	5	28	1	65	5	1	0.905
	May 2020	3	2	52	2	1	5	2	0.859	5	30	1	56	5	1	1.427
	November 2020	3	2	63	2	1	5	2	0.981	5	**40**	1	72	5	1	1.486
	May 2021	3	2	39	2	1	5	2	0.865	5	37	1	59	5	1	1.458
	November 2021	3.000	1.876	32.306	2.000	1.000	5.000	2.500	0.796	5.000	38.926 39.230 (N=8) 57.936 (N=16)[1]	1.000	50.607 66.352 (N=8)	5.000	1.000	0.991
	May 2022	3.000	2.714	24.408	2.000	1.000	5.000	2.500	0.841	5.000	**41.697**	1.000	47.667	5.000	1.000	1.016
	November 2022	0.500	2.402	37.622	0.100	1.000	5.000	0.500	0.850	5.000	**41.706**	1.000	45.971	0.500	0.500	1.611
	May 2023	0.500	3.376	39.139	0.100	1.000	5.000	0.500	0.750	5.000	**48.665**	1.000	48.827	0.500	0.500	1.575
	November 2023	0.500	3.746	39.101	2.000	1.000	5.000	0.263	0.660	5.000	**45.250**	1.000	52.986	0.500	1.000	1.539
MW-3S	September 2018	**8**	2	24	2	1	5	2	0.349	5	10	1	52	4	1	0.491
	May 2019	**7**	2	25	2	1	5	2	0.217	5	10	1	41	0	1	0.549
	November 2019	**8**	1	28	2	1	5	2	0.197	5	10	1	34	0	1	0.615
	May 2020	**7**	2	35	2	1	5	2	0.223	5	10	1	41	1	1	0.615
	November 2020	**7**	1	36	2	1	5	2	0.214	5	10	1	39	0	1	0.733
	May 2021	**6**	0	39	2	1	5	2	0.174	5	10	1	35	2	1	0.785
	November 2021	5.764 **6.903 (N=8)**	0.218	37.500	2.000	1.000	5.000	2.500	0.134	5.000	10.000	1.000	36.177	1.260	1.000	0.785
	May 2022	4.75 **6.242 (N=8)**	0.129	31.580	2.000	1.000	5.000	2.500	0.063	5.000	10.000	1.000	32.035	0.000	1.000	0.572
	November 2022	DRY WELL; NOT SAMPLED														
	May 2023	4.613 5.225 (N=8)	0.316	33.221	0.1	1	5	0.5	0.07	5	10	0.1	25.359	0	0.5	0.516
	November 2023	DRY WELL; NOT SAMPLED														
MW-4S	September 2018	3	5	52	2	1	5	2	0.108	5	6	1	5	6	1	0.721
	May 2019	3	5	47	2	1	5	2	0.108	5	6	1	5	5	1	0.601
	November 2019	DRY WELL; NOT SAMPLED														
	May 2020	3	2	48	2	1	5	2	0.060	5	10	1	5	2	1	0.812
	November 2020	3	2	62	2	1	5	1	0.037	5	10	1	5	10	1	0.838
	May 2021	DRY WELL; NOT SAMPLED														
	November 2021	3.000	1.503	59.290	2.000	1.000	5.000	1.327	0.038	5.000	5.469	1.000	5.000	7.288	1.000	0.751
	May 2022	3.000	0.455	75.954	2.000	1.000	5.000	1.327	0.033	5.000	5.469	1.000	5.000	0	1.000	0.671
	November 2022	DRY WELL; NOT SAMPLED														
	May 2023	DRY WELL; NOT SAMPLED														
	November 2023	DRY WELL; NOT SAMPLED														

Table 1: 95% LCL Compared to GWPS - Shallow Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through May 2023 - MW-15S dry well November 2023)	1	6.4	75.9648	0.2	2	10	2.3	0.14	10	20	2	10	1.3	1	1.32
MW-5S	September 2018	3	5	24	2	1	5	2	2.65	5	**53**	1	**249**	5	1	1.047
	May 2019	3	5	25	2	1	5	1	2.391	5	**53**	1	**227**	5	1	1.073
	November 2019	DRY WELL; NOT SAMPLED														
	May 2020	3	5	28	2	1	5	1	2.316	5	**53**	1	**217**	5	1	0.942
	November 2020	3	5	25	2	1	5	1	2.184	5	**43**	1	**186**	5	1	0.880
	May 2021	3	5	24	2	1	5	1	1.802	5	39	1	**138**	5	1	0.875
	November 2021	3.000	5.000	22.468	2.000	1.000	5.000	0.897	1.686	5.000	39.065 **46.853 (N=8)**	1.000	**126.264**	5.000	1.000	0.883
	May 2022	3.000	5.000	22.49	2.000	1.000	5.000	1.494	1.616	5.000	**41.149**	1.000	**115.401**	5.000	1.000	0.986
	November 2022	0.500	0.500	26.169	2.000	1.000	5	1.025	1.524	5.000	**42.589**	1.000	95.031	0.500	1.000	0.954
	May 2023	0.500	0.500	25.369	0.100	1.000	5	0.381	1.152	5.000	**44.781**	0.100	57.629 86.301 (N=6)	0.500	0.500	0.744
	November 2023	DRY WELL; NOT SAMPLED														
MW-6S	September 2018	3	**11**	72	2	1	5	2	0.919	5	**60**	1	**137**	2	1	0.553
	May 2019	1	**11**	82	2	1	5	2	0.600	5	**55**	1	79	1	1	0.662
	November 2019	DRY WELL; NOT SAMPLED														
	May 2020	1	**10**	103	2	1	5	2	0.614	5	**55**	1	79	1	1	0.846
	November 2020	1	8	105	2	1	5	2	0.610	5	**49**	1	74	1	1	0.700
	May 2021	1	6	101	2	1	5	2	0.614	5	**51**	1	77	2	1	0.434
	November 2021	3.000	6.418 **10.746 (N=8)**	108.371	2.000	1.000	5.000	1.405	1.024	5.000	**58.003**	1.000	**152.129**	3.396	1.000	0.788
	May 2022	3.000	0.174 9.881 (N=8) **15.420 (N=16)**	111.128	2.000	1.000	5.000	1.477	1.204	5.000	**60.422**	1.000	**155.261**	3.763	1.000	0.788
	November 2022	3.000	7.699 9.787 (N=8) **14.512 (N=16)**	93.631	2.000	1.000	5	1.485	1.177	5.000	**50.832**	1.000	**155.261**	3.763	1.000	0.850
	May 2023	0.500	7.205 8.864 (N=8) **10.246 (N=10)**	86.232	0.100	1.000	5	1.451	1.199	5.000	**44.544**	1.000	**155.639**	0.830	0.500	0.823
	November 2023	0.500	6.531 9.672 (N=8) **10.964 (N=12)**	84.661	2.000	1.000	5	1.548	1.199	5.000	**43.945**	1.000	**159.170**	3.391	1.000	0.823

Table 1: 95% LCL Compared to GWPS - Shallow Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through May 2023 - MW-15S dry well November 2023)	1	6.4	75.9648	0.2	2	10	2.3	0.14	10	20	2	10	1.3	1	1.32
MW-7S	September 2018	3	**324**	38	2	1	5	2	0.395	5	**92**	1	**410**	5	1	1.138
	May 2019	3	**319**	34	2	1	5	1	0.391	5	**90**	1	**438**	5	1	1.180
	November 2019	3	**309**	35	2	1	5	1	0.419	5	**89**	1	**508**	5	1	1.272
	May 2020	3	**306**	33	2	1	5	1	0.431	5	**84**	1	**509**	5	1	1.080
	November 2020	3	**337**	32	2	1	5	1	0.461	5	**82**	1	**571**	5	1	0.979
	May 2021	3	**374**	34	2	1	5	1	0.465	5	**82**	1	**619**	5	1	0.965
	November 2021	3.000	**354.610**	37.822	2.000	1.000	5.000	1.662	0.493	5.000	**82.414**	1.000	**632.181**	5.000	1.000	0.895
	May 2022	3.000	**358.698**	35.281	2.000	1.000	5.000	1.662	0.446	5.000	**82.416**	1.000	**585.986**	5.000	1.000	0.798
	November 2022	0.500	**364.813**	37.995	2.000	1.000	5.000	1.662	0.458	5.000	**82.416**	1.000	**574.880**	0.500	1.000	0.794
	May 2023	0.500	**372.750**	37.822	0.100	1.000	5.000	0.5	0.497	5.000	**80.338**	1.000	**524.676**	0.500	0.500	0.761
	November 2023	0.500	**374.154**	37.497	2.000	1.000	5.000	2.5	0.547	5.000	**73.975**	1.000	**460.437**	0.500	1.000	0.772
MW-8S	September 2018	3	5	18	2	1	5	2	0.066	5	**72**	1	**133**	5	1	0.702
	May 2019	3	5	35	2	1	5	2	0.066	5	**82**	1	**171**	2	1	0.702
	November 2019	3	5	36	2	1	5	2	0.062	5	**118**	1	**279**	2	1	0.620
	May 2020	3	5	36	2	1	5	2	0.056	5	**114**	1	**242**	1	1	0.620
	November 2020	3	5	36	2	1	5	2	0.11	5	**113**	1	**279**	1	1	0.687
	May 2021	3	5	31	2	1	5	2	0.059	5	**113**	1	**292**	2	1	0.687
	November 2021	3.000	5.000	29.260	2.000	1.000	5.000	2.500	0.058	5.000	**106.923**	1.000	**228.802**	0.815	1.000	0.819
	May 2022	3.000	5.000	29.303	2.000	1.000	5.000	2.500	0.033	5.000	**93.803**	1.000	**147.761**	1.057	1.000	0.645
	November 2022	0.500	0.500	27.144	2.000	1.000	5	2.027	0.031	5.000	**98.988**	1.000	**177.540**	1.057	1.000	0.640
	May 2023	0.500	0.500	27.381	0.100	1.000	5	0	0.061	5.000	**96.964**	1.000	**164.067**	0.000	0.500	0.659
	November 2023	0.500	0.500	28.335	2.000	1.000	5	0	0.054	5.000	**96.964**	1.000	**159.312**	4.932	1.000	0.612
MW-9S	September 2018	**9**	5	41	2	1	5	2	0.05	5	**87**	1	88	0	1	0.663
	May 2019	**8**	5	47	2	1	5	2	0.013	5	**74**	1	83	0	1	0.801
	November 2019	DRY WELL; NOT SAMPLED														
	May 2020	**9**	2	49	2	1	5	2	0.013	5	**73**	1	92	9	1	0.801
	November 2020	**7**	2	50	2	1	5	2	0.023	5	**68**	1	69	0	1	0.732
	May 2021	DRY WELL; NOT SAMPLED														
	November 2021	DRY WELL; NOT SAMPLED														
	May 2022	DRY WELL; NOT SAMPLED														
	November 2022	DRY WELL; NOT SAMPLED														
	May 2023	DRY WELL; NOT SAMPLED														
	November 2023	DRY WELL; NOT SAMPLED														

Table 1: 95% LCL Compared to GWPS - Shallow Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through May 2023 - MW-15S dry well November 2023)	1	6.4	75.9648	0.2	2	10	2.3	0.14	10	20	2	10	1.3	1	1.32
MW-10S	September 2018	3	**356**	42	2	1	5	2	1.76	5	**51**	1	**108**	5	1	1.019
	May 2019	3	**321**	37	2	1	5	2	1.839	5	**50**	1	92	5	1	0.965
	November 2019	3	**326**	41	2	1	5	2	2.051	5	**55**	1	85	5	1	0.596
	May 2020	3	**337**	38	2	1	5	1	1.936	5	**57**	1	80	5	1	0.544
	November 2020	3	**340**	35	2	1	5	1	1.97	5	**51**	1	77	5	1	0
	May 2021	3	**342**	42	2	1	5	1	1.97	5	**42**	1	71	5	1	0
	November 2021	3.000	**340.569**	51.110	2.000	1.000	5.000	1.410	2.070	5.000	**40.133**	1.000	69.641 77.437 (N=8)	5.000	1.000	0.000
	May 2022	3.000	**359.225**	50.594	2.000	1.000	5.000	2.500	2.404	5.000	**40.918**	1.000	65.466	5.000	1.000	0.000
	November 2022	0.500	**374.339**	68.938	0.100	1.000	5.000	0.500	2.370	5.000	33.115 **46.948 (N=10)**	1.000	65.753	0.500	0.500	0.916
	May 2023	0.500	**370.521**	69.586	0.100	1.000	5	0.5	2.446	5.000	29.122 39.428 (N=8) **45.031 (N=11)**	1.000	60.970	0.500	0.500	0.864
	November 2023	0.500	**320.771**	56.145	2.000	1.000	5	0.5	2.57	5.000	30.84 35.177 (N=7)	1.000	32.126	0.500	1.000	0.856
MW-11S	September 2018	3	2	40	2	1	0.242	0	1.404	2	0.194	1	72	5	1	1.321
	May 2019	3	1	41	2	1	0	0	1.362	2	0	1	73	5	1	1.068
	November 2019	3	2	54	2	1	2	0	1.366	2	10	1	73	5	1	0.597
	May 2020	3	0	8	1	1	0	0	1.332	1	0	1	71	5	1	0.471
	November 2020	3	0	2	1	1	0	0	1.364	1	0	1	73	5	1	0.589
	May 2021	3	0	0	1	1	0	0	1.364	1	0	1	76	5	1	0.642
	November 2021	3.000	0.000	0.000	0.927	1.000	5.000	0.000	1.364	1.483	0.000	1.000	75.632	5.000	1.000	0.807
	May 2022	3.000	0.000	41.446	0.29	1.000	1.686	1.688	1.325	5	4.894	1.000	75.803	1.731	1.000	0.899
	November 2022	0.500	0.120	38.347	0.290	1.000	1.686	1.688	1.333	5.000	4.894	1.000	73.170	0.966	1.000	0.791
	May 2023	0.500	0.308	38.002	0.000	1.000	1.686	0	1.424	5.000	4.894	1.000	73.238	0.297	0.500	0.865
	November 2023	0.500	1.483	52.336	0.659	1.000	1.686	1.44	1.498	5.000	4.894	1.000	71.180	0.966	1.000	0.852
MW-12S	September 2018	2	**13**	28	2	1	5	2	0.458	5	**102**	1	**274**	5	1	0.889
	May 2019	3	**18**	26	2	1	5	2	0.879	5	**100**	1	**248**	2	1	0.897
	November 2019	DRY WELL; NOT SAMPLED														
	May 2020	2	**27**	27	2	1	5	2	1.534	5	**97**	1	**202**	2	1	0.897
	November 2020	2	**27**	28	2	1	5	2	1.534	5	**84**	1	**178**	2	1	0.938
	May 2021	DRY WELL; NOT SAMPLED														
	November 2021	1.879	**29.435**	28.013	2.000	1.000	5.000	2.500	1.549	5.000	**68.305**	1.000	**148.059**	1.002	1.000	0.744
	May 2022	1.913	**38.785**	30.158	2.000	1.000	5.000	2.500	1.699	5.000	**65.287**	1.000	**117.461**	0	1.000	0.673
	November 2022	DRY WELL; NOT SAMPLED														
	May 2023	DRY WELL; NOT SAMPLED														
	November 2023	DRY WELL; NOT SAMPLED														

Table 1: 95% LCL Compared to GWPS - Shallow Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through May 2023 - MW-15S dry well November 2023)	1	6.4	75.9648	0.2	2	10	2.3	0.14	10	20	2	10	1.3	1	1.32
MW-13S	September 2018	3	**328**	24	2	1	5	2	0.647	5	**83**	1	**466**	5	1	0.713
	May 2019	3	**313**	25	2	1	5	2	0.681	5	**84**	1	**547**	5	1	0.725
	November 2019	3	**312**	26	2	1	5	2	0.786	5	**75**	1	**726**	5	1	0.732
	May 2020	3	**306**	25	2	1	5	2	0.779	5	**74**	1	**746**	5	1	0.883
	November 2020	3	**291**	28	2	1	5	2	0.778	5	**66**	1	**720**	5	1	0.855
	May 2021	3	**289**	29	2	1	5	2	0.804	5	**62**	1	**684**	5	1	0.861
	November 2021	3.000	**292.747**	31.428	2.000	1.000	5.000	2.500	0.845	5.000	**61.794**	1.000	**576.651**	5.000	1.000	0.905
	May 2022	3.000	**293.328**	32.556	2.000	1.000	5.000	2.500	0.815	5.000	**60.449**	1.000	**526.754**	5.000	1.000	0.905
	November 2022	0.500	**289.054**	36.144	2.000	1.000	5	0.5	0.812	5.000	**58.925**	1.000	**503.521**	0.500	1.000	0.889
	May 2023	0.500	**290.906**	36.310	0.100	1.000	5	0.5	0.805	5.000	**56.727**	1.000	**491.061**	0.500	0.500	0.710
	November 2023	0.500	**286.047**	33.736	2.000	1.000	5	0.5	0.786	5.000	**56.801**	1.000	**371.375**	0.500	1.000	0.591
MW-14D	September 2018	3	**113**	49	2	1	5	2	0.246	5	**551**	1	**177**	5	1	1.154
	May 2019	3	**105**	46	2	1	5	2	0.235	5	**532**	1	**181**	5	1	1.198
	November 2019	3	**99**	47	2	1	5	1	0.202	5	**488**	1	**159**	5	1	1.163
	May 2020	3	**104**	46	2	1	5	1	0.076	5	**449**	1	**159**	5	1	1.302
	November 2020	3	**100**	46	2	1	5	1	0.077	5	**378**	1	**174**	5	1	1.366
	May 2021	3	**103**	48	2	1	5	1	0.015	5	**398**	1	**189**	5	1	1.605
	November 2021	3.000	**104.386**	46.364	2.000	1.000	5.000	1.41	0.014	5.000	**498.309**	1.000	**189.714**	5.000	1.000	1.465
	May 2022	3.000	**104.451**	40.259	2.000	1.000	5.000	1.41	0.07	5.000	**496.479**	1.000	**201.183**	5.000	1.000	1.051
	November 2022	0.500	**107.140**	32.131	0.100	1.000	5.000	0.263	0.069	5.000	**579.404**	1.000	**200.749**	0.500	0.500	0.872
	May 2023	0.500	**108.112**	35.075	0.100	1.000	5.000	0.500	0.191	5.000	**556.486**	1.000	**199.771**	0.500	0.500	0.984
	November 2023	0.500	**107.614**	34.811	2.000	1.000	5.000	2.500	0.222	5.000	**528.117**	1.000	**195.522**	0.500	1.000	0.910

Notes:
LCL = Lower Confidence Limit
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 (or as noted) 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.
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 November 2023 assessment sampling results.

Table 1: 95% LCL Compared to GWPS - Intermediate Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through November 2023)	1	1	91.0039	0.2	2	10	1	0.13	10	20	2	10	2.1	1	2.3214
MW-1D	September 2018	3	2	49	2	1	5	2	0.362	5	31	1	49	5	1	0.886
	May 2019	3	4	47	2	1	5	2	0.336	5	31	1	48	5	1	0.900
	November 2019	3	4	48	2	1	5	2	0.314	5	25	1	46	5	1	0.852
	May 2020	3	4	50	2	1	5	2	0.265	5	25	1	45	5	1	0.961
	November 2020	3	0	45	2	1	5	2	0.268	5	11	1	36	5	1	0.421
	May 2021	3	0	51	2	1	5	2	0.229	5	11	1	35	5	1	0.838
	November 2021	2.966	0.000 0.000 (N=8)	59.901	2.000	1.000	5.000	2.500	0.229	5.000	10.37 22.268 (N=8)	1.000	32.091	5.000	1.000	0.639
	May 2022	2.966	0 (N=8) 3.714 (N=16)	63.033	2.000	1.000	5.000	2.500	0.231	5.000	7.581 19.947 (N=9)	1.000	33.075	5.000	1.000	0.554
	November 2022	0.500	3.274	71.152	0.100	1.000	5.000	0.500	0.234	5.000	7.581	1.000	28.047	0.500	0.500	0.812
	May 2023	0.500	3.154	71.089	0.100	1.000	5.000	0.500	0.328	5.000	5.469	1.000	26.166	0.500	0.500	0.958
	November 2023	0.500	3.456	73.731	2.000	1.000	5.000	0.500	0.413	5.000	10	1.000	18.921	0.500	1.000	1.067
MW-7D	September 2018	3		48	2	1	5	2	0.262	5		1		5	1	1.280
	May 2019	3		41	2	1	5	2	0.263	5		1		5	1	0.777
	November 2019	3		42	2	1	5	2	0.284	5		1		5	1	0.877
	May 2020	3		42	2	1	5	2	0.294	5		1		5	1	0.831
	November 2020	3		39	2	1	5	2	0.318	5		1		5	1	0.687
	May 2021	3		38	2	1	5	2	0.343	5		1		5	1	0.855
	November 2021	3.000		36.11	2.000	0.628	5.000	1.913	0.358	5.000		1.000		5.000	1.000	0.835
	May 2022	3.000		35.709	2.000	0.628	5.000	1.913	0.339	5.000		1.000		5.000	1.000	0.796
	November 2022	0.500		38.446	2.000	0.628	5.000	1.913	0.345	5.000		1.000		0.500	1.000	0.777
	May 2023	0.500		39.037	0.100	1.000	5.000	0.060	0.392	5.000		1.000		0.500	0.500	0.821
	November 2023	0.500		40.003	2.000	1.000	5.000	0.500	0.458	5.000		1.000		0.500	1.000	0.740

Table 1: 95% LCL Compared to GWPS - Intermediate Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through November 2023)	1	1	91.0039	0.2	2	10	1	0.13	10	20	2	10	2.1	1	2.3214
MW-9I	September 2018	3	5	30	2	1	5	2	0.538	5	33	1	[redacted]	5	1	0.946
	May 2019	3	4	38	2	1	5	2	0.522	5	30	1	98	5	1	0.934
	November 2019	3	4	54	2	1	5	2	0.528	5	31	1	88	5	1	0.738
	May 2020	3	4	53	2	1	5	2	0.595	5	29	1	89	5	1	0.544
	November 2020	3	4	55	2	1	5	2	0.667	5	23	1	89	5	1	0.600
	May 2021	3	4	58	2	1	5	2	0.647	5	24	1	78	5	1	0.480
	November 2021	3.000	4.21	63.972	2.000	1.000	5.000	2.500	0.714	5.000	24.199 28.414 (N=8)	1.000	85.339 96.532 (N=8) 122.452 (N=16)[1]	5.000	1.000	0.79
	May 2022	3.000	2.68	66.366	2.000	1.000	5.000	2.500	0.78	5.000	23.246	1.000	[redacted]	5.000	1.000	0.716
	November 2022	0.500	2.883	68.290	0.100	1.000	5.000	0.500	0.897	5.000	22.525	1.000		0.500	0.500	0.543
	May 2023	0.500	3.179	63.011	0.100	1.000	5.000	0.500	0.780	5.000	12.028	0.100		0.500	0.500	0.641
	November 2023	0.500	6.051	62.790	2.000	1.000	5.000	0.500	0.592	5.000	12.151	1.000		0.500	1.000	0.765
MW-10S	September 2018	3	[redacted]	42	2	1	5	2	1.76	5	[redacted]	1	[redacted]	5	1	1.019
	May 2019	3		37	2	1	5	2	1.839	5		1	92	5	1	0.965
	November 2019	3		41	2	1	5	2	2.051	5		1	85	5	1	0.596
	May 2020	3		38	2	1	5	1	1.936	5		1	80	5	1	0.544
	November 2020	3		35	2	1	5	1	1.97	5		1	77	5	1	0
	May 2021	3		42	2	1	5	1	1.97	5		1	71	5	1	0
	November 2021	3.000		51.110	2.000	1.000	5.000	1.410	2.070	5.000		1.000	69.641 77.437 (N=8)	5.000	1.000	0.000
	May 2022	3.000		50.594	2.000	1.000	5.000	2.500	2.404	5.000		1.000	65.466	5.000	1.000	0.000
	November 2022	0.500		68.938	0.100	1.000	5.000	0.500	2.370	5.000		1.000	65.753	0.500	0.500	0.916
	May 2023	0.500		69.586	0.100	1.000	5	0.5	2.446	5.000		1.000	60.970	0.500	0.500	0.864
	November 2023	0.500		56.145	2.000	1.000	5	0.5	2.57	5.000	30.84 35.177 (N=7)	1.000	32.126	0.500	1.000	0.856

Table 1: 95% LCL Compared to GWPS - Intermediate Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through November 2023)	1	1	91.0039	0.2	2	10	1	0.13	10	20	2	10	2.1	1	2.3214
MW-10D	September 2018	3		23	2	1	5	2	2.066	5		1		5	1	1.123
	May 2019	3		26	2	1	5	2	2.147	5		1	97	5	1	1.048
	November 2019	3		28	2	1	5	2	2.299	5		1	73	5	1	0.943
	May 2020	3		27	2	1	5	2	2.298	5		1	60	5	1	0.743
	November 2020	3		28	2	1	5	2	2.298	5		1	70	5	1	0.779
	May 2021	3		26	2	1	5	2	2.334	5		1	71	5	1	0.674
	November 2021	3.000		26.688	2.000	1.000	5.000	2.500	2.087	5.000		1.000	73.725 80.904 (N=8)	5.000	1.000	0.633
	May 2022	3.000		26.988	2.000	1.000	5.000	2.500	1.831	5.000		1.000	80.286 78.271 (N=8)	5.000	1.000	0.754
	November 2022	0.500		24.576	0.100	1.000	5.000	0.500	1.837	5.000		1.000	80.382	0.500	0.500	0.967
	May 2023	0.500		23.400	0.100	1.000	5.000	0.500	1.839	5.000		1.000	72.937	0.500	0.500	1.149
	November 2023	0.500		23.504	2.000	1.000	5.000	0.500	1.787	5.000		1.000	65.628	0.500	1.000	1.061
MW-11D	September 2018	3		32	2	1	5	2	0.333	5		1	5	5	1	0.912
	May 2019	3		31	2	1	5	2	0.334	5		1	5	5	1	0.887
	November 2019	3		31	2	1	5	2	0.326	5		1	5	5	1	0.834
	May 2020	3		28	2	1	5	2	0.311	5		1	5	5	1	0.782
	November 2020	3		27	2	1	5	2	0.371	5		1	5	5	1	0.834
	May 2021	3		26	2	1	5	2	0.27	5		1	5	5	1	0.680
	November 2021	3.000		23.199	2.000	1.000	5.000	2.500	0.264	5.000		1.000	5.000	5.000	1.000	0.718
	May 2022	3.000		22.788	2.000	1.000	5.000	2.500	0.244	5.000		1.000	5.000	5.000	1.000	0.655
	November 2022	0.500		23.163	2.000	1.000	5.000	0.500	0.250	5.000		1.000	5.000	2.750	1.000	0.373
	May 2023	0.500		20.867	0.100	1.000	5.000	0.500	0.288	5.000		1.000	5.000	0.500	0.500	0.527
	November 2023	0.500		20.905	2.000	1.000	5.000	0.500	0.285	5.000		1.000	5.000	0.500	1.000	0.535
MW-12D	September 2018	3		24	2	1	5	2	0.379	5		1		5	1	0.960
	May 2019	3		24	2	1	5	2	0.515	5		1		5	1	0.669
	November 2019	3		24	2	1	5	2	0.962	5		1		5	1	0.794
	May 2020	3		24	2	1	5	2	0.962	5		1		5	1	0.721
	November 2020	3		25	2	1	5	2	0.977	5		1		5	1	0.727
	May 2021	3		27	2	1	5	2	0.977	5		1		5	1	0.727
	November 2021	3.000		26.748	2.000	1.000	5.000	2.500	0.977	5.000		0.729		5.000	1.000	0.759
	May 2022	3.000		26.426	2.000	1.000	5.000	2.500	0.912	5.000		0.729		5.000	1.000	0.753
	November 2022	0.500		25.450	2.000	1.000	5.000	0.500	1.167	5.000		0.729		0.500	1.000	0.730
	May 2023	0.500		24.411	0.100	1.000	5.000	0.500	1.216	5.000		0.729		0.500	0.500	0.874
	November 2023	0.500		24.418	2.000	1.000	5.000	0.500	1.314	5.000		0.729		0.500	1.000	0.820

Table 1: 95% LCL Compared to GWPS - Intermediate Zone
Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through November 2023)	1	1	91.0039	0.2	2	10	1	0.13	10	20	2	10	2.1	1	2.3214
MW-13D	September 2018	3		20	2	1	5	2	0.410	5		1		5	1	1.058
	May 2019	3		21	2	1	5	2	0.415	5		1		5	1	1.366
	November 2019	3		20	2	1	5	2	0.452	5		1		5	1	1.022
	May 2020	3		19	2	1	5	2	0.446	5		1		5	1	0.852
	November 2020	3		24	2	1	5	2	0.468	5		1		5	1	0.866
	May 2021	3		20	2	1	5	1	0.507	5		1		5	1	0.837
	November 2021	3.000		23.878	2.000	1.000	5.000	1.327	0.555	5.000		1.000		5.000	1.000	1.034
	May 2022	3.000		22.697	2.000	1.000	5.000	1.327	0.527	5.000		1.000		5.000	1.000	1.416
	November 2022	0.500		23.452	2.000	1.000	5.000	1.327	0.520	5.000		1.000		0.500	1.000	1.349
	May 2023	0.500		29.735	0.100	1.000	5.000	0.500	0.523	5.000		1.000		0.500	0.500	1.240
	November 2023	0.500		28.506	2.000	1.000	5.000	0.500	0.555	5.000		1.000		0.500	1.000	1.334

Notes:
LCL = Lower Confidence Limit
[redacted]
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.
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 November 2023 assessment sampling results.

Table 2: 95% LCL Compared to GWPS - Deep Zone

Multiunit Ash Pond System
AES Indiana
Harding Street Generating Station, Indianapolis, Indiana
Atlas Project No. 170LF01501

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 background data through November 2023)	1	1.7	79.4553	0.2	2	10	1	0.13	10	20	2	10	1	1	2.4905
MW-3D	September 2018	3	3	61	2	1	5	2	0.264	5	7	1	14	5	1	0.808
	May 2019	3	2	64	2	1	5	2	0.222	5	7	1	5	5	1	0.794
	November 2019	3	2	54	2	1	5	2	0.212	5	6	1	10	5	1	0.482
	May 2020	3	3	46	2	1	5	2	0.205	5	6	1	10	5	1	0.355
	November 2020	3	3	45	2	1	5	2	0.199	5	6	1	6	5	1	0.347
	May 2021	3	3	41	2	1	5	2	0.181	5	10	1	4	5	1	0.000
	November 2021	3.000	2.915	38.902	2.000	1.000	5.000	2.500	0.15	5.000	10.000	1.000	2.971	5.000	1.000	0.637
	May 2022	3.000	2.915	41.088	2.000	1.000	5.000	2.500	0.135	5.000	10.000	1.000	5	5.000	1.000	0.758
	November 2022	0.500	3.191	42.046	2.000	1.000	5.000	0.500	0.122	5.000	10.000	1.000	5.000	0.500	1.000	0.663
	May 2023	0.500	2.967	85.390	0.100	1.000	5.000	0.500	0.190	5.000	10.000	1.000	4.779	0.500	0.500	0.566
	November 2023	0.500	2.887	86.288	0.100	1.000	5.000	0.500	0.162	5.000	10.000	1.000	4.779	0.500	0.500	0.676
MW-9D	September 2018	3	3	32	2	1	5	2	0.425	5	**41**	1	84	5	1	0.803
	May 2019	3	2	36	2	1	5	2	0.412	5	38	1	56	5	1	0.770
	November 2019	3	2	45	2	1	5	2	0.430	5	35	1	42	5	1	0.808
	May 2020	3	2	45	2	1	5	2	0.428	5	31	1	42	5	1	0.822
	November 2020	3	2	44	2	1	5	2	0.421	5	24	1	46	5	1	0.876
	May 2021	3	3	46	2	1	5	2	0.400	5	24	1	46	5	1	0.795
	November 2021	3.000	4.291	45.545	2.000	1.000	5.000	2.500	0.361	5.000	21.648 27.763 (N=8)	1.000	40.729	5.000	1.000	0.948
	May 2022	3.000	2.469 3.287 (N=6)	47.137	2.000	1.000	5.000	2.500	0.356	5.000	22.373	1.000	41.719	5.000	1.000	0.684
	November 2022	0.500	6.74	45.247	0.100	1.000	5.000	0.500	0.360	5.000	12.095	1.000	42.030	0.500	0.500	0.411
	May 2023	0.500	**10.421**	44.637	0.100	1.000	5.000	0.500	0.376	5.000	7.705	0.100	41.658	0.500	0.500	0.449
	November 2023	0.500	9.619	45.64	2.000	1.000	5.000	0.500	0.434	5.000	7.472	1.000	40.611	0.500	1.000	0.469

Notes:
LCL = Lower Confidence Limit
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 or sixteen 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.
The 95% LCL statistic is based on the rolling set of the four most recent individual sample results for a parameter.
1 - Exceedance not declared due to trend identified over the corresponding dataset. Datasets containing trends do not display stationality and are not appropriate to utilize for LCL calculations.
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 November 2023 assessment sampling results.

May 2024

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	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	4	2.425	0.435	1.176	1.913	2.937	6.000		
Antimony, Total	ug/L	MW-13S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	4	3.000	0.000	1.176	3.000	3.000	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-2S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	4	5.300	0.455	1.176	4.765	5.835	6.000	dec	
Antimony, Total	ug/L	MW-4S	4	3.000	0.000	1.176	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7S	4	0.500	0.000	1.176	0.500	0.500	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	9.200	1.738	1.176	7.156	11.244	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	4	343.000	52.019	1.176	281.810	404.190	10.000	dec	**
Arsenic, Total	ug/L	MW-11S	4	3.325	1.408	1.176	1.669	4.981	10.000		
Arsenic, Total	ug/L	MW-12S	4	50.250	9.747	1.176	38.785	61.715	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	4	308.250	18.446	1.176	286.552	329.948	10.000	dec	**
Arsenic, Total	ug/L	MW-14D	4	120.000	12.247	1.176	105.593	134.407	10.000		**
Arsenic, Total	ug/L	MW-1S	4	6.225	1.360	1.176	4.625	7.825	10.000	dec	
Arsenic, Total	ug/L	MW-2D	4	7.075	3.156	1.176	3.362	10.788	10.000		
Arsenic, Total	ug/L	MW-2S	4	10.875	3.495	1.176	6.764	14.986	10.000	dec	
Arsenic, Total	ug/L	MW-3S	4	3.550	1.797	1.176	1.436	5.664	10.000		
Arsenic, Total	ug/L	MW-4S	4	2.650	1.866	1.176	0.455	4.845	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	4	13.425	3.009	1.176	9.885	16.965	10.000		
Arsenic, Total	ug/L	MW-7S	4	365.250	37.686	1.176	320.920	409.580	10.000		**
Arsenic, Total	ug/L	MW-8S	4	0.500	0.000	1.176	0.500	0.500	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 4 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	4	4.125	1.750	1.176	2.066	6.184	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	4	76.650	17.835	1.176	55.671	97.629	2000.000		
Barium, Total	ug/L	MW-11S	4	86.650	24.610	1.176	57.701	115.599	2000.000		
Barium, Total	ug/L	MW-12S	4	32.250	1.779	1.176	30.158	34.342	2000.000	dec	
Barium, Total	ug/L	MW-13S	4	45.425	9.264	1.176	34.527	56.323	2000.000		
Barium, Total	ug/L	MW-14D	4	45.825	10.566	1.176	33.396	58.254	2000.000		
Barium, Total	ug/L	MW-1S	4	64.425	8.787	1.176	54.089	74.761	2000.000		
Barium, Total	ug/L	MW-2D	4	47.125	8.866	1.176	36.696	57.554	2000.000		
Barium, Total	ug/L	MW-2S	4	123.025	77.154	1.176	32.270	213.780	2000.000		
Barium, Total	ug/L	MW-3S	4	52.775	5.512	1.176	46.291	59.259	2000.000		
Barium, Total	ug/L	MW-4S	4	92.625	14.172	1.176	75.954	109.296	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	4	36.975	9.867	1.176	25.369	48.581	2000.000	inc	
Barium, Total	ug/L	MW-6S	4	93.475	10.835	1.176	80.730	106.220	2000.000		
Barium, Total	ug/L	MW-7S	4	41.125	2.380	1.176	38.326	43.924	2000.000	dec	
Barium, Total	ug/L	MW-8S	4	34.875	8.941	1.176	24.358	45.392	2000.000	dec	
Barium, Total	ug/L	MW-9S	4	52.550	1.923	1.176	50.288	54.812	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
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	1.600	0.800	1.176	0.659	2.541	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-13S	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-14D	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-2D	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	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	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		

* - 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-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	2.000	0.000	1.176	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
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-13S	4	1.000	0.000	1.176	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	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-2D	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-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	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		
Cadmium, Total	ug/L	MW-9SR	2								*
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	7.450	4.900	1.176	1.686	13.214	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-13S	4	5.000	0.000	1.176	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	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-2D	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-4SR	1								*

* - 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	
Chromium, Total	ug/L	MW-5S	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		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11S	4	0.875	0.750	1.176	0.000	1.757	6.000		
Cobalt, Total	ug/L	MW-12S	4	2.500	0.000	1.176	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-14D	4	0.500	0.000	1.176	0.500	0.500	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-2D	4	0.675	0.350	1.176	0.263	1.087	6.000		
Cobalt, Total	ug/L	MW-2S	4	0.650	0.300	1.176	0.297	1.003	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	2.150	0.700	1.176	1.327	2.973	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	4	1.825	0.780	1.176	0.907	2.743	6.000		
Cobalt, Total	ug/L	MW-6S	4	2.100	0.163	1.176	1.908	2.292	6.000		
Cobalt, Total	ug/L	MW-7S	4	2.200	0.600	1.176	1.494	2.906	6.000		
Cobalt, Total	ug/L	MW-8S	4	1.350	1.700	1.176	0.000	3.350	6.000		
Cobalt, Total	ug/L	MW-9S	4	2.500	0.000	1.176	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	4	2.875	0.206	1.176	2.633	3.117	4.000		
Fluoride	mg/L	MW-11S	4	1.625	0.096	1.176	1.512	1.738	4.000		
Fluoride	mg/L	MW-12S	4	1.875	0.150	1.176	1.699	2.051	4.000	inc	
Fluoride	mg/L	MW-13S	4	0.853	0.074	1.176	0.766	0.939	4.000	inc	
Fluoride	mg/L	MW-14D	4	0.248	0.010	1.176	0.236	0.259	4.000	dec	
Fluoride	mg/L	MW-1S	4	0.400	0.076	1.176	0.310	0.490	4.000	dec	
Fluoride	mg/L	MW-2D	4	0.783	0.113	1.176	0.650	0.915	4.000	dec	
Fluoride	mg/L	MW-2S	4	0.353	0.161	1.176	0.163	0.542	4.000	dec	
Fluoride	mg/L	MW-3S	4	0.165	0.025	1.176	0.135	0.195	4.000	dec	

* - 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	
Fluoride	mg/L	MW-4S	4	0.063	0.025	1.176	0.033	0.092	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	4	1.575	0.359	1.176	1.152	1.998	4.000	dec	
Fluoride	mg/L	MW-6S	4	1.525	0.287	1.176	1.187	1.863	4.000	inc	
Fluoride	mg/L	MW-7S	4	0.597	0.021	1.176	0.573	0.622	4.000	inc	
Fluoride	mg/L	MW-8S	4	0.145	0.031	1.176	0.108	0.182	4.000	dec	
Fluoride	mg/L	MW-9S	4	0.118	0.081	1.176	0.023	0.212	4.000		
Fluoride	mg/L	MW-9SR	2								*
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-13S	4	5.000	0.000	1.176	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	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-2D	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-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	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		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	4	36.700	6.673	1.176	28.851	44.549	40.000	dec	
Lithium, Total	ug/L	MW-11S	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-12S	4	80.775	13.167	1.176	65.287	96.263	40.000	dec	**
Lithium, Total	ug/L	MW-13S	4	59.725	2.571	1.176	56.701	62.749	40.000	dec	**
Lithium, Total	ug/L	MW-14D	4	689.500	187.180	1.176	469.322	909.678	40.000		**
Lithium, Total	ug/L	MW-1S	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2D	4	46.250	8.522	1.176	36.226	56.274	40.000	dec	

* - 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-2S	4	18.475	10.717	1.176	5.869	31.081	40.000	dec	
Lithium, Total	ug/L	MW-3S	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	4	13.350	6.700	1.176	5.469	21.231	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	4	46.325	1.312	1.176	44.781	47.869	40.000	dec	**
Lithium, Total	ug/L	MW-6S	4	50.600	4.215	1.176	45.642	55.558	40.000	dec	**
Lithium, Total	ug/L	MW-7S	4	80.700	5.717	1.176	73.975	87.425	40.000	dec	**
Lithium, Total	ug/L	MW-8S	4	125.725	37.648	1.176	81.440	170.010	40.000		**
Lithium, Total	ug/L	MW-9S	4	79.600	9.506	1.176	68.418	90.782	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
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-13S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	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-2D	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-4S	4	1.000	0.000	1.176	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	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		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	4	100.800	46.328	1.176	46.304	155.296	100.000	dec	
Molybdenum, Total	ug/L	MW-11S	4	72.825	4.341	1.176	67.719	77.931	100.000		
Molybdenum, Total	ug/L	MW-12S	4	164.000	39.564	1.176	117.461	210.539	100.000		**
Molybdenum, Total	ug/L	MW-13S	4	429.000	99.391	1.176	312.087	545.913	100.000		**
Molybdenum, Total	ug/L	MW-14D	4	224.750	27.464	1.176	192.445	257.055	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	
Molybdenum, Total	ug/L	MW-1S	4	20.150	1.103	1.176	18.853	21.447	100.000	dec	
Molybdenum, Total	ug/L	MW-2D	4	69.775	8.357	1.176	59.945	79.605	100.000	dec	
Molybdenum, Total	ug/L	MW-2S	4	31.025	17.985	1.176	9.869	52.181	100.000	dec	
Molybdenum, Total	ug/L	MW-3S	4	26.175	2.187	1.176	23.603	28.747	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	4	5.000	0.000	1.176	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	4	105.675	40.846	1.176	57.629	153.721	100.000	dec	
Molybdenum, Total	ug/L	MW-6S	4	214.500	10.878	1.176	201.704	227.296	100.000		**
Molybdenum, Total	ug/L	MW-7S	4	491.750	90.699	1.176	385.062	598.438	100.000		**
Molybdenum, Total	ug/L	MW-8S	4	277.250	76.019	1.176	187.830	366.670	100.000		**
Molybdenum, Total	ug/L	MW-9S	4	127.825	49.893	1.176	69.137	186.513	100.000	dec	
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	4	0.700	0.400	1.176	0.229	1.171	50.000		
Selenium, Total	ug/L	MW-11S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-12S	4	11.750	10.065	1.176	0.000	23.590	50.000		
Selenium, Total	ug/L	MW-13S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	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-2S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	4	14.500	19.071	1.176	0.000	36.933	50.000		
Selenium, Total	ug/L	MW-4S	4	48.275	48.713	1.176	0.000	105.576	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	4	6.075	1.893	1.176	3.849	8.301	50.000		
Selenium, Total	ug/L	MW-7S	4	0.500	0.000	1.176	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-8S	4	4.550	0.900	1.176	3.491	5.609	50.000		
Selenium, Total	ug/L	MW-9S	4	50.975	53.600	1.176	0.000	114.025	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
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	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-13S	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-14D	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-2D	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	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	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	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	1.000	0.000	1.176	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	4	1.050	0.237	1.176	0.772	1.328	5.000		
Total Radium	pCi/L	MW-11S	4	0.940	0.077	1.176	0.850	1.030	5.000		
Total Radium	pCi/L	MW-12S	4	1.172	0.424	1.176	0.673	1.670	5.000		
Total Radium	pCi/L	MW-13S	4	1.102	0.355	1.176	0.685	1.520	5.000		
Total Radium	pCi/L	MW-14D	4	1.440	0.441	1.176	0.922	1.958	5.000		
Total Radium	pCi/L	MW-1S	4	1.700	0.367	1.176	1.269	2.131	5.000		
Total Radium	pCi/L	MW-2D	4	1.618	0.365	1.176	1.188	2.047	5.000		
Total Radium	pCi/L	MW-2S	4	1.991	0.927	1.176	0.901	3.081	5.000		
Total Radium	pCi/L	MW-3S	4	0.848	0.178	1.176	0.639	1.057	5.000		
Total Radium	pCi/L	MW-4S	4	0.948	0.235	1.176	0.671	1.224	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	4	1.385	0.545	1.176	0.744	2.026	5.000		
Total Radium	pCi/L	MW-6S	4	0.875	0.066	1.176	0.798	0.952	5.000		
Total Radium	pCi/L	MW-7S	4	1.208	0.194	1.176	0.980	1.436	5.000		
Total Radium	pCi/L	MW-8S	4	0.927	0.135	1.176	0.769	1.086	5.000		
Total Radium	pCi/L	MW-9S	4	1.277	0.464	1.176	0.732	1.823	5.000		
Total Radium	pCi/L	MW-9SR	2								*

* - 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	
Antimony, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	8	2.975	0.787	0.670	2.448	3.502	6.000		
Antimony, Total	ug/L	MW-13S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	8	3.025	0.167	0.670	2.913	3.137	6.000		
Antimony, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	8	5.825	1.094	0.670	5.092	6.558	6.000	dec	
Antimony, Total	ug/L	MW-4S	8	3.000	0.000	0.670	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-8S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	8	10.175	2.092	0.670	8.774	11.576	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	8	376.375	56.775	0.670	338.346	414.404	10.000		**
Arsenic, Total	ug/L	MW-11S	8	3.875	2.870	0.670	1.953	5.797	10.000		
Arsenic, Total	ug/L	MW-12S	8	41.113	14.027	0.670	31.717	50.508	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	8	333.375	46.721	0.670	302.081	364.669	10.000	dec	**
Arsenic, Total	ug/L	MW-14D	8	119.750	11.597	0.670	111.982	127.518	10.000		**
Arsenic, Total	ug/L	MW-1S	8	10.963	7.566	0.670	5.895	16.030	10.000	dec	
Arsenic, Total	ug/L	MW-2D	8	5.300	2.842	0.670	3.397	7.203	10.000	inc	
Arsenic, Total	ug/L	MW-2S	8	13.063	7.308	0.670	8.167	17.958	10.000		
Arsenic, Total	ug/L	MW-3S	8	2.913	1.810	0.670	1.700	4.125	10.000		
Arsenic, Total	ug/L	MW-4S	8	3.825	1.752	0.670	2.651	4.999	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	8	0.500	0.000	0.670	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	8	15.438	10.047	0.670	8.708	22.167	10.000		
Arsenic, Total	ug/L	MW-7S	8	386.500	43.243	0.670	357.535	415.465	10.000		**
Arsenic, Total	ug/L	MW-8S	8	0.500	0.000	0.670	0.500	0.500	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	
Arsenic, Total	ug/L	MW-9S	8	4.563	1.237	0.670	3.734	5.391	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	8	73.788	16.544	0.670	62.706	84.869	2000.000		
Barium, Total	ug/L	MW-11S	8	93.400	37.136	0.670	68.526	118.274	2000.000		
Barium, Total	ug/L	MW-12S	8	31.700	3.118	0.670	29.612	33.788	2000.000	dec	
Barium, Total	ug/L	MW-13S	8	42.262	7.841	0.670	37.011	47.514	2000.000		
Barium, Total	ug/L	MW-14D	8	49.950	11.244	0.670	42.419	57.481	2000.000		
Barium, Total	ug/L	MW-1S	8	78.675	25.551	0.670	61.561	95.789	2000.000		
Barium, Total	ug/L	MW-2D	8	54.488	23.019	0.670	39.069	69.906	2000.000		
Barium, Total	ug/L	MW-2S	8	115.200	52.881	0.670	79.780	150.620	2000.000		
Barium, Total	ug/L	MW-3S	8	48.050	9.014	0.670	42.012	54.088	2000.000		
Barium, Total	ug/L	MW-4S	8	83.338	20.167	0.670	69.830	96.845	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	8	33.163	8.107	0.670	27.732	38.593	2000.000	inc	
Barium, Total	ug/L	MW-6S	8	107.113	17.075	0.670	95.676	118.549	2000.000		
Barium, Total	ug/L	MW-7S	8	40.663	3.188	0.670	38.527	42.798	2000.000	dec	
Barium, Total	ug/L	MW-8S	8	34.625	6.504	0.670	30.269	38.981	2000.000	dec	
Barium, Total	ug/L	MW-9S	8	48.925	5.047	0.670	45.544	52.306	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
Beryllium, Total	ug/L	MW-10S	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11S	8	1.640	0.672	0.670	1.190	2.090	4.000		
Beryllium, Total	ug/L	MW-12S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13S	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-14D	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-1S	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2D	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2S	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-3S	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-6S	6	0.100	0.000	0.822	0.100	0.100	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 8 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Beryllium, Total	ug/L	MW-7S	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-8S	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-9S	8	2.000	0.000	0.670	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
Cadmium, Total	ug/L	MW-10S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-1S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-6S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-8S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9SR	2								*
Chromium, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11S	8	9.875	10.410	0.670	2.902	16.848	100.000		
Chromium, Total	ug/L	MW-12S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4SR	1								*

* - 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	
Chromium, Total	ug/L	MW-5S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-8S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11S	8	1.238	1.570	0.670	0.186	2.289	6.000		
Cobalt, Total	ug/L	MW-12S	8	2.500	0.000	0.670	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-14D	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-1S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-2S	8	0.675	0.328	0.670	0.455	0.895	6.000		
Cobalt, Total	ug/L	MW-3S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	8	2.325	0.495	0.670	1.993	2.657	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	8	1.662	0.699	0.670	1.194	2.131	6.000		
Cobalt, Total	ug/L	MW-6S	8	1.863	0.288	0.670	1.670	2.055	6.000		
Cobalt, Total	ug/L	MW-7S	8	2.225	0.512	0.670	1.882	2.568	6.000		
Cobalt, Total	ug/L	MW-8S	8	0.925	1.202	0.670	0.120	1.730	6.000		
Cobalt, Total	ug/L	MW-9S	8	2.500	0.000	0.670	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	8	2.688	0.247	0.670	2.522	2.853	4.000		
Fluoride	mg/L	MW-11S	8	1.588	0.146	0.670	1.490	1.685	4.000		
Fluoride	mg/L	MW-12S	8	1.656	0.401	0.670	1.387	1.925	4.000	inc	
Fluoride	mg/L	MW-13S	8	0.900	0.102	0.670	0.832	0.968	4.000	inc	
Fluoride	mg/L	MW-14D	8	0.229	0.081	0.670	0.175	0.283	4.000	dec	
Fluoride	mg/L	MW-1S	8	0.364	0.079	0.670	0.311	0.416	4.000	dec	
Fluoride	mg/L	MW-2D	8	0.851	0.113	0.670	0.776	0.927	4.000		
Fluoride	mg/L	MW-2S	8	0.380	0.126	0.670	0.295	0.465	4.000		
Fluoride	mg/L	MW-3S	8	0.154	0.049	0.670	0.121	0.187	4.000	dec	

* - 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	
Fluoride	mg/L	MW-4S	8	0.089	0.033	0.670	0.067	0.111	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	8	1.900	0.481	0.670	1.578	2.222	4.000	dec	
Fluoride	mg/L	MW-6S	8	1.412	0.230	0.670	1.259	1.566	4.000		
Fluoride	mg/L	MW-7S	8	0.583	0.071	0.670	0.535	0.630	4.000	inc	
Fluoride	mg/L	MW-8S	8	0.119	0.048	0.670	0.087	0.151	4.000	dec	
Fluoride	mg/L	MW-9S	8	0.084	0.064	0.670	0.041	0.127	4.000		
Fluoride	mg/L	MW-9SR	2								*
Lead, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11S	8	6.300	3.677	0.670	3.837	8.763	15.000		
Lead, Total	ug/L	MW-12S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-7S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-8S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	8	42.012	8.003	0.670	36.652	47.373	40.000		
Lithium, Total	ug/L	MW-11S	8	11.888	5.339	0.670	8.312	15.463	40.000		
Lithium, Total	ug/L	MW-12S	8	104.013	30.451	0.670	83.616	124.409	40.000	dec	**
Lithium, Total	ug/L	MW-13S	8	63.275	5.461	0.670	59.617	66.933	40.000	dec	**
Lithium, Total	ug/L	MW-14D	8	691.375	164.354	0.670	581.288	801.462	40.000		**
Lithium, Total	ug/L	MW-1S	8	10.000	0.000	0.670	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2D	8	48.275	7.664	0.670	43.142	53.408	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	
Lithium, Total	ug/L	MW-2S	8	15.862	8.668	0.670	10.057	21.668	40.000		
Lithium, Total	ug/L	MW-3S	8	10.000	0.000	0.670	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	8	13.200	5.934	0.670	9.225	17.175	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	8	48.000	6.313	0.670	43.772	52.228	40.000	dec	**
Lithium, Total	ug/L	MW-6S	8	58.887	10.012	0.670	52.181	65.594	40.000		**
Lithium, Total	ug/L	MW-7S	8	82.975	4.734	0.670	79.804	86.146	40.000	dec	**
Lithium, Total	ug/L	MW-8S	8	131.488	35.072	0.670	107.996	154.979	40.000		**
Lithium, Total	ug/L	MW-9S	8	87.875	13.447	0.670	78.868	96.882	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
Mercury	ug/L	MW-10S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-11S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-12S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-13S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-1S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-2D	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-2S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-3S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-4S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-6S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-7S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-8S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-9S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	8	86.125	34.308	0.670	63.145	109.105	100.000		
Molybdenum, Total	ug/L	MW-11S	8	76.013	4.823	0.670	72.782	79.243	100.000		
Molybdenum, Total	ug/L	MW-12S	8	220.125	67.204	0.670	175.111	265.139	100.000		**
Molybdenum, Total	ug/L	MW-13S	8	530.000	138.773	0.670	437.048	622.952	100.000		**
Molybdenum, Total	ug/L	MW-14D	8	229.500	26.224	0.670	211.935	247.065	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 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-1S	8	23.100	3.370	0.670	20.843	25.357	100.000	dec	
Molybdenum, Total	ug/L	MW-2D	8	65.188	10.286	0.670	58.298	72.077	100.000		
Molybdenum, Total	ug/L	MW-2S	8	31.125	13.661	0.670	21.975	40.275	100.000		
Molybdenum, Total	ug/L	MW-3S	8	32.625	8.059	0.670	27.227	38.023	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	8	148.087	60.243	0.670	107.736	188.439	100.000	dec	**
Molybdenum, Total	ug/L	MW-6S	8	202.625	24.535	0.670	186.191	219.059	100.000		**
Molybdenum, Total	ug/L	MW-7S	8	566.375	104.055	0.670	496.678	636.072	100.000		**
Molybdenum, Total	ug/L	MW-8S	8	303.750	116.594	0.670	225.654	381.846	100.000		**
Molybdenum, Total	ug/L	MW-9S	8	165.663	70.100	0.670	118.708	212.617	100.000	dec	**
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	8	0.600	0.283	0.670	0.411	0.789	50.000		
Selenium, Total	ug/L	MW-11S	8	0.575	0.212	0.670	0.433	0.717	50.000		
Selenium, Total	ug/L	MW-12S	8	7.925	7.844	0.670	2.671	13.179	50.000		
Selenium, Total	ug/L	MW-13S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	8	12.375	14.684	0.670	2.539	22.211	50.000		
Selenium, Total	ug/L	MW-4S	8	33.488	36.434	0.670	9.083	57.892	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	8	3.763	3.081	0.670	1.699	5.826	50.000		
Selenium, Total	ug/L	MW-7S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-8S	8	3.975	1.557	0.670	2.932	5.018	50.000		
Selenium, Total	ug/L	MW-9S	8	45.613	58.260	0.670	6.589	84.636	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
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	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-12S	8	1.000	0.000	0.670	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	
Thallium, Total	ug/L	MW-13S	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-14D	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-1S	8	0.500	0.000	0.670	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-2S	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-3S	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	8	1.000	0.000	0.670	1.000	1.000	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	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-8S	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-9S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	8	1.426	1.080	0.670	0.702	2.149	5.000		
Total Radium	pCi/L	MW-11S	8	1.095	0.238	0.670	0.935	1.255	5.000		
Total Radium	pCi/L	MW-12S	8	1.254	0.383	0.670	0.997	1.510	5.000		
Total Radium	pCi/L	MW-13S	8	1.314	0.474	0.670	0.996	1.631	5.000		
Total Radium	pCi/L	MW-14D	8	1.498	0.407	0.670	1.225	1.770	5.000		
Total Radium	pCi/L	MW-1S	8	1.936	0.937	0.670	1.308	2.564	5.000		
Total Radium	pCi/L	MW-2D	8	1.966	0.848	0.670	1.398	2.534	5.000		
Total Radium	pCi/L	MW-2S	8	2.144	1.195	0.670	1.343	2.945	5.000		
Total Radium	pCi/L	MW-3S	8	0.785	0.158	0.670	0.679	0.891	5.000		
Total Radium	pCi/L	MW-4S	8	0.926	0.198	0.670	0.793	1.058	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	8	1.281	0.410	0.670	1.006	1.555	5.000		
Total Radium	pCi/L	MW-6S	8	0.841	0.057	0.670	0.803	0.879	5.000		
Total Radium	pCi/L	MW-7S	8	1.197	0.251	0.670	1.029	1.365	5.000		
Total Radium	pCi/L	MW-8S	8	0.861	0.143	0.670	0.765	0.956	5.000		
Total Radium	pCi/L	MW-9S	8	1.227	0.329	0.670	1.007	1.448	5.000		
Total Radium	pCi/L	MW-9SR	2								*

* - 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	
Antimony, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	12	3.375	1.500	0.518	2.598	4.152	6.000		
Antimony, Total	ug/L	MW-13S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	9	1.078	1.156	0.620	0.361	1.794	6.000		
Antimony, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	12	6.567	1.494	0.518	5.792	7.341	6.000	dec	
Antimony, Total	ug/L	MW-4S	12	3.000	0.000	0.518	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-8S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	12	11.233	2.363	0.518	10.009	12.458	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	8	376.375	56.775	0.670	338.346	414.404	10.000		**
Arsenic, Total	ug/L	MW-11S	12	4.442	3.763	0.518	2.492	6.392	10.000		
Arsenic, Total	ug/L	MW-12S	12	33.033	16.403	0.518	24.533	41.533	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	12	331.167	38.536	0.518	311.197	351.136	10.000	dec	**
Arsenic, Total	ug/L	MW-14D	12	118.667	10.798	0.518	113.071	124.262	10.000		**
Arsenic, Total	ug/L	MW-1S	9	11.122	7.093	0.620	6.726	15.519	10.000		
Arsenic, Total	ug/L	MW-2D	8	5.300	2.842	0.670	3.397	7.203	10.000	inc	
Arsenic, Total	ug/L	MW-2S	8	13.063	7.308	0.670	8.167	17.958	10.000		
Arsenic, Total	ug/L	MW-3S	12	2.575	1.537	0.518	1.778	3.372	10.000		
Arsenic, Total	ug/L	MW-4S	12	4.217	1.513	0.518	3.433	5.001	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	12	0.500	0.000	0.518	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	8	15.438	10.047	0.670	8.708	22.167	10.000		
Arsenic, Total	ug/L	MW-7S	12	380.000	44.997	0.518	356.682	403.318	10.000		**
Arsenic, Total	ug/L	MW-8S	12	0.500	0.000	0.518	0.500	0.500	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 12 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	12	4.708	1.010	0.518	4.185	5.232	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	8	73.788	16.544	0.670	62.706	84.869	2000.000		
Barium, Total	ug/L	MW-11S	12	108.300	68.609	0.518	72.746	143.854	2000.000		
Barium, Total	ug/L	MW-12S	12	33.667	3.849	0.518	31.672	35.661	2000.000	dec	
Barium, Total	ug/L	MW-13S	12	38.158	8.992	0.518	33.499	42.818	2000.000		
Barium, Total	ug/L	MW-14D	12	50.817	9.550	0.518	45.868	55.766	2000.000		
Barium, Total	ug/L	MW-1S	9	77.689	24.083	0.620	62.761	92.617	2000.000		
Barium, Total	ug/L	MW-2D	8	54.488	23.019	0.670	39.069	69.906	2000.000		
Barium, Total	ug/L	MW-2S	8	115.200	52.881	0.670	79.780	150.620	2000.000		
Barium, Total	ug/L	MW-3S	12	47.333	8.675	0.518	42.838	51.829	2000.000		
Barium, Total	ug/L	MW-4S	12	92.250	25.051	0.518	79.268	105.232	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	12	31.500	7.218	0.518	27.760	35.240	2000.000	inc	
Barium, Total	ug/L	MW-6S	8	107.113	17.075	0.670	95.676	118.549	2000.000		
Barium, Total	ug/L	MW-7S	12	40.592	4.113	0.518	38.460	42.723	2000.000	dec	
Barium, Total	ug/L	MW-8S	12	35.558	5.392	0.518	32.764	38.353	2000.000	dec	
Barium, Total	ug/L	MW-9S	12	44.692	7.862	0.518	40.617	48.766	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
Beryllium, Total	ug/L	MW-10S	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11S	12	1.760	0.565	0.518	1.467	2.053	4.000		
Beryllium, Total	ug/L	MW-12S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13S	12	0.100	0.000	0.518	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-14D	12	0.100	0.000	0.518	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-1S	7	0.100	0.000	0.734	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2D	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2S	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-3S	12	0.100	0.000	0.518	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-6S	6	0.100	0.000	0.822	0.100	0.100	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 12 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Beryllium, Total	ug/L	MW-7S	12	0.100	0.000	0.518	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-8S	12	0.100	0.000	0.518	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-9S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
Cadmium, Total	ug/L	MW-10S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-1S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-6S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-8S	12	1.000	0.000	0.518	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9SR	2								*
Chromium, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11S	12	8.867	8.655	0.518	4.382	13.352	100.000		
Chromium, Total	ug/L	MW-12S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4SR	1								*

* - 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	
Chromium, Total	ug/L	MW-5S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-8S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11S	12	1.842	3.076	0.518	0.248	3.435	6.000		
Cobalt, Total	ug/L	MW-12S	12	2.500	0.000	0.518	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-14D	12	0.608	0.254	0.518	0.477	0.740	6.000		
Cobalt, Total	ug/L	MW-1S	9	0.500	0.000	0.620	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-2S	8	0.675	0.328	0.670	0.455	0.895	6.000		
Cobalt, Total	ug/L	MW-3S	12	0.500	0.000	0.518	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	12	2.383	0.404	0.518	2.174	2.593	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	12	1.942	0.693	0.518	1.582	2.301	6.000		
Cobalt, Total	ug/L	MW-6S	8	1.863	0.288	0.670	1.670	2.055	6.000		
Cobalt, Total	ug/L	MW-7S	12	2.125	0.566	0.518	1.832	2.418	6.000		
Cobalt, Total	ug/L	MW-8S	12	0.783	0.981	0.518	0.275	1.292	6.000		
Cobalt, Total	ug/L	MW-9S	12	2.500	0.000	0.518	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	8	2.688	0.247	0.670	2.522	2.853	4.000		
Fluoride	mg/L	MW-11S	12	1.542	0.144	0.518	1.467	1.616	4.000		
Fluoride	mg/L	MW-12S	12	1.273	0.652	0.518	0.935	1.610	4.000	inc	
Fluoride	mg/L	MW-13S	12	0.885	0.091	0.518	0.838	0.932	4.000	inc	
Fluoride	mg/L	MW-14D	12	0.217	0.085	0.518	0.173	0.261	4.000	dec	
Fluoride	mg/L	MW-1S	9	0.363	0.073	0.620	0.318	0.409	4.000		
Fluoride	mg/L	MW-2D	8	0.851	0.113	0.670	0.776	0.927	4.000		
Fluoride	mg/L	MW-2S	8	0.380	0.126	0.670	0.295	0.465	4.000		
Fluoride	mg/L	MW-3S	12	0.196	0.078	0.518	0.156	0.236	4.000	dec	

* - 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	
Fluoride	mg/L	MW-4S	12	0.092	0.031	0.518	0.075	0.108	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	12	2.300	0.732	0.518	1.920	2.680	4.000	dec	
Fluoride	mg/L	MW-6S	8	1.412	0.230	0.670	1.259	1.566	4.000		
Fluoride	mg/L	MW-7S	12	0.553	0.076	0.518	0.514	0.593	4.000	inc	
Fluoride	mg/L	MW-8S	12	0.118	0.046	0.518	0.093	0.142	4.000	dec	
Fluoride	mg/L	MW-9S	12	0.085	0.057	0.518	0.056	0.114	4.000		
Fluoride	mg/L	MW-9SR	2								*
Lead, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11S	12	6.533	3.617	0.518	4.659	8.408	15.000		
Lead, Total	ug/L	MW-12S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-7S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-8S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	8	42.012	8.003	0.670	36.652	47.373	40.000		
Lithium, Total	ug/L	MW-11S	12	13.867	9.669	0.518	8.856	18.877	40.000		
Lithium, Total	ug/L	MW-12S	12	125.842	41.222	0.518	104.480	147.203	40.000	dec	**
Lithium, Total	ug/L	MW-13S	12	70.767	13.038	0.518	64.011	77.523	40.000	dec	**
Lithium, Total	ug/L	MW-14D	12	667.250	155.458	0.518	586.691	747.809	40.000		**
Lithium, Total	ug/L	MW-1S	9	10.000	0.000	0.620	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2D	8	48.275	7.664	0.670	43.142	53.408	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 12 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	8	15.862	8.668	0.670	10.057	21.668	40.000		
Lithium, Total	ug/L	MW-3S	12	10.000	0.000	0.518	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	12	14.325	6.466	0.518	10.974	17.676	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	12	51.300	7.402	0.518	47.464	55.136	40.000	dec	**
Lithium, Total	ug/L	MW-6S	8	58.887	10.012	0.670	52.181	65.594	40.000		**
Lithium, Total	ug/L	MW-7S	12	86.750	8.022	0.518	82.593	90.907	40.000	dec	**
Lithium, Total	ug/L	MW-8S	12	135.075	31.066	0.518	118.976	151.174	40.000		**
Lithium, Total	ug/L	MW-9S	12	93.075	14.953	0.518	85.326	100.824	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
Mercury	ug/L	MW-10S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-11S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-12S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-13S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-1S	5	0.100	0.000	0.953	0.100	0.100	2.000		
Mercury	ug/L	MW-2D	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-2S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-3S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-6S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-7S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-8S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	8	86.125	34.308	0.670	63.145	109.105	100.000		
Molybdenum, Total	ug/L	MW-11S	12	76.242	4.531	0.518	73.894	78.590	100.000		
Molybdenum, Total	ug/L	MW-12S	12	232.917	57.916	0.518	202.904	262.929	100.000		**
Molybdenum, Total	ug/L	MW-13S	12	612.250	164.931	0.518	526.782	697.718	100.000		**
Molybdenum, Total	ug/L	MW-14D	12	221.917	31.679	0.518	205.501	238.333	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-1S	9	24.667	5.659	0.620	21.159	28.174	100.000		
Molybdenum, Total	ug/L	MW-2D	8	65.188	10.286	0.670	58.298	72.077	100.000		
Molybdenum, Total	ug/L	MW-2S	8	31.125	13.661	0.670	21.975	40.275	100.000		
Molybdenum, Total	ug/L	MW-3S	12	37.267	9.753	0.518	32.213	42.321	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	12	194.142	84.908	0.518	150.142	238.141	100.000	dec	**
Molybdenum, Total	ug/L	MW-6S	8	202.625	24.535	0.670	186.191	219.059	100.000		**
Molybdenum, Total	ug/L	MW-7S	12	578.083	94.152	0.518	529.293	626.873	100.000		**
Molybdenum, Total	ug/L	MW-8S	12	325.500	113.365	0.518	266.754	384.246	100.000		**
Molybdenum, Total	ug/L	MW-9S	12	237.442	121.688	0.518	174.382	300.501	100.000	dec	**
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	8	0.600	0.283	0.670	0.411	0.789	50.000		
Selenium, Total	ug/L	MW-11S	12	0.550	0.173	0.518	0.460	0.640	50.000		
Selenium, Total	ug/L	MW-12S	12	6.950	6.421	0.518	3.623	10.277	50.000		
Selenium, Total	ug/L	MW-13S	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	9	0.500	0.000	0.620	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	12	11.008	12.271	0.518	4.649	17.367	50.000		
Selenium, Total	ug/L	MW-4S	12	30.033	30.067	0.518	14.452	45.614	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	8	3.763	3.081	0.670	1.699	5.826	50.000		
Selenium, Total	ug/L	MW-7S	12	0.500	0.000	0.518	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-8S	12	3.817	1.564	0.518	3.006	4.627	50.000		
Selenium, Total	ug/L	MW-9S	12	32.075	50.595	0.518	5.857	58.293	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
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	12	0.500	0.000	0.518	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-12S	12	1.000	0.000	0.518	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 12 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Thallium, Total	ug/L	MW-13S	12	0.500	0.000	0.518	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-14D	12	0.500	0.000	0.518	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-1S	5	0.500	0.000	0.953	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-2S	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-3S	12	0.500	0.000	0.518	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	12	1.000	0.000	0.518	1.000	1.000	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	12	0.500	0.000	0.518	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-8S	12	0.500	0.000	0.518	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	8	1.426	1.080	0.670	0.702	2.149	5.000		
Total Radium	pCi/L	MW-11S	12	1.089	0.329	0.518	0.918	1.260	5.000		
Total Radium	pCi/L	MW-12S	12	1.312	0.589	0.518	1.007	1.617	5.000		
Total Radium	pCi/L	MW-13S	12	1.267	0.405	0.518	1.057	1.477	5.000		
Total Radium	pCi/L	MW-14D	12	1.533	0.355	0.518	1.349	1.718	5.000		
Total Radium	pCi/L	MW-1S	9	1.825	0.938	0.620	1.244	2.406	5.000		
Total Radium	pCi/L	MW-2D	8	1.966	0.848	0.670	1.398	2.534	5.000		
Total Radium	pCi/L	MW-2S	8	2.144	1.195	0.670	1.343	2.945	5.000		
Total Radium	pCi/L	MW-3S	12	0.783	0.144	0.518	0.709	0.858	5.000		
Total Radium	pCi/L	MW-4S	12	1.021	0.322	0.518	0.854	1.188	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	12	1.305	0.356	0.518	1.121	1.490	5.000		
Total Radium	pCi/L	MW-6S	8	0.841	0.057	0.670	0.803	0.879	5.000		
Total Radium	pCi/L	MW-7S	12	1.349	0.393	0.518	1.145	1.553	5.000		
Total Radium	pCi/L	MW-8S	12	0.934	0.253	0.518	0.803	1.065	5.000		
Total Radium	pCi/L	MW-9S	12	1.138	0.295	0.518	0.985	1.291	5.000		
Total Radium	pCi/L	MW-9SR	2								*

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 13 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	10	0.500	0.000	0.580	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	13	3.346	1.440	0.494	2.635	4.058	6.000		
Antimony, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	9	1.078	1.156	0.620	0.361	1.794	6.000		
Antimony, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	13	6.746	1.570	0.494	5.970	7.522	6.000	dec	
Antimony, Total	ug/L	MW-4S	13	3.000	0.000	0.494	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	13	0.554	0.194	0.494	0.458	0.650	6.000		
Antimony, Total	ug/L	MW-7S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-8S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	13	11.515	2.480	0.494	10.290	12.741	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	10	375.400	50.516	0.580	346.124	404.676	10.000		**
Arsenic, Total	ug/L	MW-11S	13	4.485	3.606	0.494	2.703	6.267	10.000		
Arsenic, Total	ug/L	MW-12S	13	31.685	16.440	0.494	23.561	39.808	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	13	334.538	38.847	0.494	315.342	353.735	10.000	dec	**
Arsenic, Total	ug/L	MW-14D	13	120.846	12.986	0.494	114.429	127.263	10.000		**
Arsenic, Total	ug/L	MW-1S	9	11.122	7.093	0.620	6.726	15.519	10.000		
Arsenic, Total	ug/L	MW-2D	8	5.300	2.842	0.670	3.397	7.203	10.000	inc	
Arsenic, Total	ug/L	MW-2S	13	13.354	5.936	0.494	10.421	16.287	10.000		**
Arsenic, Total	ug/L	MW-3S	13	2.762	1.618	0.494	1.962	3.561	10.000		
Arsenic, Total	ug/L	MW-4S	13	4.277	1.465	0.494	3.553	5.001	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	13	0.500	0.000	0.494	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	13	15.308	8.236	0.494	11.238	19.378	10.000		**
Arsenic, Total	ug/L	MW-7S	13	380.231	43.089	0.494	358.938	401.524	10.000		**
Arsenic, Total	ug/L	MW-8S	13	0.500	0.000	0.494	0.500	0.500	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 13 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	13	4.731	0.971	0.494	4.251	5.210	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	10	72.250	16.535	0.580	62.667	81.833	2000.000		
Barium, Total	ug/L	MW-11S	13	112.892	67.743	0.494	79.417	146.368	2000.000		
Barium, Total	ug/L	MW-12S	13	33.985	3.859	0.494	32.078	35.892	2000.000	dec	
Barium, Total	ug/L	MW-13S	13	37.377	9.059	0.494	32.901	41.853	2000.000		
Barium, Total	ug/L	MW-14D	13	51.077	9.192	0.494	46.535	55.619	2000.000		
Barium, Total	ug/L	MW-1S	9	77.689	24.083	0.620	62.761	92.617	2000.000		
Barium, Total	ug/L	MW-2D	8	54.488	23.019	0.670	39.069	69.906	2000.000		
Barium, Total	ug/L	MW-2S	13	115.538	48.581	0.494	91.532	139.545	2000.000		
Barium, Total	ug/L	MW-3S	13	45.885	9.812	0.494	41.036	50.733	2000.000		
Barium, Total	ug/L	MW-4S	13	95.923	27.398	0.494	82.384	109.462	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	13	31.008	7.135	0.494	27.482	34.533	2000.000	inc	
Barium, Total	ug/L	MW-6S	13	109.962	19.369	0.494	100.390	119.533	2000.000		
Barium, Total	ug/L	MW-7S	13	40.862	4.056	0.494	38.857	42.866	2000.000	dec	
Barium, Total	ug/L	MW-8S	13	35.592	5.164	0.494	33.040	38.144	2000.000	dec	
Barium, Total	ug/L	MW-9S	13	44.369	7.617	0.494	40.605	48.133	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
Beryllium, Total	ug/L	MW-10S	8	0.100	0.000	0.670	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11S	13	1.778	0.545	0.494	1.509	2.048	4.000		
Beryllium, Total	ug/L	MW-12S	13	2.000	0.000	0.494	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-14D	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-1S	7	0.100	0.000	0.734	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2D	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2S	10	0.100	0.000	0.580	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-3S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	13	2.000	0.000	0.494	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	13	2.000	0.000	0.494	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-6S	10	0.100	0.000	0.580	0.100	0.100	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 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Beryllium, Total	ug/L	MW-7S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-8S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-9S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
Cadmium, Total	ug/L	MW-10S	8	1.000	0.000	0.670	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-1S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2S	10	1.000	0.000	0.580	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-6S	10	1.000	0.000	0.580	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-8S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9SR	2								*
Chromium, Total	ug/L	MW-10S	9	5.000	0.000	0.620	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11S	13	10.238	9.651	0.494	5.470	15.007	100.000		
Chromium, Total	ug/L	MW-12S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4SR	1								*

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Chromium, Total	ug/L	MW-5S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-6S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-8S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	10	0.570	0.221	0.580	0.442	0.698	6.000		
Cobalt, Total	ug/L	MW-11S	13	2.508	3.800	0.494	0.630	4.385	6.000		
Cobalt, Total	ug/L	MW-12S	13	2.500	0.000	0.494	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-14D	13	0.600	0.245	0.494	0.479	0.721	6.000		
Cobalt, Total	ug/L	MW-1S	9	0.500	0.000	0.620	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-2S	12	0.617	0.276	0.518	0.474	0.760	6.000		
Cobalt, Total	ug/L	MW-3S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	13	2.392	0.388	0.494	2.200	2.584	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	13	1.985	0.682	0.494	1.648	2.321	6.000		
Cobalt, Total	ug/L	MW-6S	12	2.067	0.380	0.518	1.870	2.263	6.000		
Cobalt, Total	ug/L	MW-7S	13	2.154	0.552	0.494	1.881	2.426	6.000		
Cobalt, Total	ug/L	MW-8S	13	0.762	0.943	0.494	0.296	1.228	6.000		
Cobalt, Total	ug/L	MW-9S	12	2.500	0.000	0.518	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	10	2.560	0.347	0.580	2.359	2.761	4.000	inc	
Fluoride	mg/L	MW-11S	13	1.538	0.139	0.494	1.470	1.607	4.000		
Fluoride	mg/L	MW-12S	13	1.204	0.671	0.494	0.872	1.536	4.000	inc	
Fluoride	mg/L	MW-13S	13	0.883	0.087	0.494	0.840	0.926	4.000	inc	
Fluoride	mg/L	MW-14D	13	0.225	0.086	0.494	0.182	0.267	4.000	dec	
Fluoride	mg/L	MW-1S	9	0.363	0.073	0.620	0.318	0.409	4.000		
Fluoride	mg/L	MW-2D	8	0.851	0.113	0.670	0.776	0.927	4.000		
Fluoride	mg/L	MW-2S	13	0.629	0.440	0.494	0.412	0.846	4.000	dec	
Fluoride	mg/L	MW-3S	13	0.221	0.117	0.494	0.163	0.278	4.000	dec	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Fluoride	mg/L	MW-4S	13	0.094	0.031	0.494	0.079	0.109	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	13	2.385	0.765	0.494	2.007	2.762	4.000	dec	
Fluoride	mg/L	MW-6S	13	1.229	0.328	0.494	1.067	1.392	4.000		
Fluoride	mg/L	MW-7S	13	0.543	0.082	0.494	0.503	0.584	4.000	inc	
Fluoride	mg/L	MW-8S	13	0.119	0.045	0.494	0.097	0.141	4.000	dec	
Fluoride	mg/L	MW-9S	13	0.082	0.055	0.494	0.055	0.110	4.000		
Fluoride	mg/L	MW-9SR	2								*
Lead, Total	ug/L	MW-10S	9	5.000	0.000	0.620	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11S	13	6.415	3.489	0.494	4.691	8.140	15.000		
Lead, Total	ug/L	MW-12S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2S	11	5.000	0.000	0.546	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-6S	11	5.000	0.000	0.546	5.000	5.000	15.000		
Lead, Total	ug/L	MW-7S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-8S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	10	47.240	13.575	0.580	39.373	55.107	40.000		
Lithium, Total	ug/L	MW-11S	13	13.569	9.319	0.494	8.964	18.174	40.000		
Lithium, Total	ug/L	MW-12S	13	131.008	43.642	0.494	109.442	152.573	40.000	dec	**
Lithium, Total	ug/L	MW-13S	13	72.354	13.732	0.494	65.568	79.139	40.000	dec	**
Lithium, Total	ug/L	MW-14D	13	667.000	148.843	0.494	593.449	740.551	40.000		**
Lithium, Total	ug/L	MW-1S	9	10.000	0.000	0.620	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2D	8	48.275	7.664	0.670	43.142	53.408	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 13 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	13	17.215	8.455	0.494	13.038	21.393	40.000		
Lithium, Total	ug/L	MW-3S	13	10.000	0.000	0.494	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	13	14.815	6.438	0.494	11.634	17.997	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	13	53.946	11.885	0.494	48.073	59.819	40.000	dec	**
Lithium, Total	ug/L	MW-6S	13	68.715	19.425	0.494	59.117	78.314	40.000	dec	**
Lithium, Total	ug/L	MW-7S	13	88.000	8.905	0.494	83.599	92.401	40.000	dec	**
Lithium, Total	ug/L	MW-8S	13	134.838	29.756	0.494	120.135	149.542	40.000		**
Lithium, Total	ug/L	MW-9S	13	95.608	16.981	0.494	87.217	103.999	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
Mercury	ug/L	MW-10S	6	0.100	0.000	0.822	0.100	0.100	2.000		
Mercury	ug/L	MW-11S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-12S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-13S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-1S	5	0.100	0.000	0.953	0.100	0.100	2.000		
Mercury	ug/L	MW-2D	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-2S	8	0.100	0.000	0.670	0.100	0.100	2.000		
Mercury	ug/L	MW-3S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-6S	8	1.000	0.000	0.670	1.000	1.000	2.000		
Mercury	ug/L	MW-7S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-8S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	10	86.510	30.373	0.580	68.907	104.113	100.000		
Molybdenum, Total	ug/L	MW-11S	13	76.015	4.414	0.494	73.834	78.197	100.000		
Molybdenum, Total	ug/L	MW-12S	13	236.462	56.904	0.494	208.342	264.581	100.000		**
Molybdenum, Total	ug/L	MW-13S	13	620.538	160.713	0.494	541.122	699.955	100.000		**
Molybdenum, Total	ug/L	MW-14D	13	219.077	32.012	0.494	203.258	234.896	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 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Molybdenum, Total	ug/L	MW-1S	9	24.667	5.659	0.620	21.159	28.174	100.000		
Molybdenum, Total	ug/L	MW-2D	8	65.188	10.286	0.670	58.298	72.077	100.000		
Molybdenum, Total	ug/L	MW-2S	13	39.108	21.736	0.494	28.367	49.849	100.000		
Molybdenum, Total	ug/L	MW-3S	13	40.462	14.829	0.494	33.134	47.789	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	13	203.285	87.723	0.494	159.936	246.633	100.000	dec	**
Molybdenum, Total	ug/L	MW-6S	13	178.815	44.710	0.494	156.722	200.909	100.000		**
Molybdenum, Total	ug/L	MW-7S	13	574.231	91.208	0.494	529.160	619.301	100.000		**
Molybdenum, Total	ug/L	MW-8S	13	332.692	111.593	0.494	277.548	387.837	100.000		**
Molybdenum, Total	ug/L	MW-9S	13	259.100	140.257	0.494	189.791	328.409	100.000	dec	**
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	10	0.580	0.253	0.580	0.433	0.727	50.000		
Selenium, Total	ug/L	MW-11S	13	0.546	0.166	0.494	0.464	0.628	50.000		
Selenium, Total	ug/L	MW-12S	13	6.800	6.171	0.494	3.750	9.850	50.000		
Selenium, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	9	0.500	0.000	0.620	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	13	10.546	11.866	0.494	4.682	16.410	50.000		
Selenium, Total	ug/L	MW-4S	13	30.462	28.829	0.494	16.216	44.707	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	13	2.962	2.689	0.494	1.633	4.290	50.000		
Selenium, Total	ug/L	MW-7S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-8S	13	3.908	1.533	0.494	3.150	4.665	50.000		
Selenium, Total	ug/L	MW-9S	13	29.992	49.019	0.494	5.769	54.215	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
Thallium, Total	ug/L	MW-10S	6	0.500	0.000	0.822	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-11S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-12S	12	1.000	0.000	0.518	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 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Thallium, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-14D	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-1S	5	0.500	0.000	0.953	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-2S	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-3S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-6S	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-7S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-8S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	10	1.302	0.991	0.580	0.728	1.877	5.000		
Total Radium	pCi/L	MW-11S	13	1.178	0.451	0.494	0.956	1.401	5.000		
Total Radium	pCi/L	MW-12S	13	1.289	0.570	0.494	1.007	1.570	5.000		
Total Radium	pCi/L	MW-13S	13	1.219	0.425	0.494	1.009	1.429	5.000		
Total Radium	pCi/L	MW-14D	13	1.602	0.420	0.494	1.394	1.809	5.000		
Total Radium	pCi/L	MW-1S	9	1.825	0.938	0.620	1.244	2.406	5.000		
Total Radium	pCi/L	MW-2D	8	1.966	0.848	0.670	1.398	2.534	5.000		
Total Radium	pCi/L	MW-2S	13	1.988	1.008	0.494	1.490	2.486	5.000		
Total Radium	pCi/L	MW-3S	13	0.783	0.138	0.494	0.715	0.851	5.000		
Total Radium	pCi/L	MW-4S	13	1.002	0.316	0.494	0.846	1.158	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	13	1.330	0.353	0.494	1.156	1.505	5.000		
Total Radium	pCi/L	MW-6S	13	1.038	0.393	0.494	0.844	1.232	5.000		
Total Radium	pCi/L	MW-7S	13	1.334	0.380	0.494	1.146	1.522	5.000		
Total Radium	pCi/L	MW-8S	13	0.952	0.250	0.494	0.828	1.075	5.000		
Total Radium	pCi/L	MW-9S	12	1.138	0.295	0.518	0.985	1.291	5.000		
Total Radium	pCi/L	MW-9SR	2								*

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 13 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	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-11S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-12S	13	3.346	1.440	0.494	2.635	4.058	6.000		
Antimony, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-14D	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-1S	9	1.078	1.156	0.620	0.361	1.794	6.000		
Antimony, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-2S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-3S	13	6.746	1.570	0.494	5.970	7.522	6.000	dec	
Antimony, Total	ug/L	MW-4S	13	3.000	0.000	0.494	3.000	3.000	6.000		
Antimony, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-5S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-6S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-7S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-8S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Antimony, Total	ug/L	MW-9S	13	11.515	2.480	0.494	10.290	12.741	6.000	dec	**
Antimony, Total	ug/L	MW-9SR	2								*
Arsenic, Total	ug/L	MW-10S	8	376.375	56.775	0.670	338.346	414.404	10.000		**
Arsenic, Total	ug/L	MW-11S	13	4.485	3.606	0.494	2.703	6.267	10.000		
Arsenic, Total	ug/L	MW-12S	13	31.685	16.440	0.494	23.561	39.808	10.000	inc	**
Arsenic, Total	ug/L	MW-13S	13	334.538	38.847	0.494	315.342	353.735	10.000	dec	**
Arsenic, Total	ug/L	MW-14D	13	120.846	12.986	0.494	114.429	127.263	10.000		**
Arsenic, Total	ug/L	MW-1S	9	11.122	7.093	0.620	6.726	15.519	10.000		
Arsenic, Total	ug/L	MW-2D	8	5.300	2.842	0.670	3.397	7.203	10.000	inc	
Arsenic, Total	ug/L	MW-2S	13	13.354	5.936	0.494	10.421	16.287	10.000		**
Arsenic, Total	ug/L	MW-3S	13	2.762	1.618	0.494	1.962	3.561	10.000		
Arsenic, Total	ug/L	MW-4S	13	4.277	1.465	0.494	3.553	5.001	10.000		
Arsenic, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-5S	13	0.500	0.000	0.494	0.500	0.500	10.000		
Arsenic, Total	ug/L	MW-6S	8	15.438	10.047	0.670	8.708	22.167	10.000		
Arsenic, Total	ug/L	MW-7S	13	380.231	43.089	0.494	358.938	401.524	10.000		**
Arsenic, Total	ug/L	MW-8S	13	0.500	0.000	0.494	0.500	0.500	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 13 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	13	4.731	0.971	0.494	4.251	5.210	10.000		
Arsenic, Total	ug/L	MW-9SR	2								*
Barium, Total	ug/L	MW-10S	8	73.788	16.544	0.670	62.706	84.869	2000.000		
Barium, Total	ug/L	MW-11S	13	112.892	67.743	0.494	79.417	146.368	2000.000		
Barium, Total	ug/L	MW-12S	13	33.985	3.859	0.494	32.078	35.892	2000.000	dec	
Barium, Total	ug/L	MW-13S	13	37.377	9.059	0.494	32.901	41.853	2000.000		
Barium, Total	ug/L	MW-14D	13	51.077	9.192	0.494	46.535	55.619	2000.000		
Barium, Total	ug/L	MW-1S	9	77.689	24.083	0.620	62.761	92.617	2000.000		
Barium, Total	ug/L	MW-2D	8	54.488	23.019	0.670	39.069	69.906	2000.000		
Barium, Total	ug/L	MW-2S	13	115.538	48.581	0.494	91.532	139.545	2000.000		
Barium, Total	ug/L	MW-3S	13	45.885	9.812	0.494	41.036	50.733	2000.000		
Barium, Total	ug/L	MW-4S	13	95.923	27.398	0.494	82.384	109.462	2000.000		
Barium, Total	ug/L	MW-4SR	4	56.625	3.306	1.176	52.736	60.514	2000.000		
Barium, Total	ug/L	MW-5S	13	31.008	7.135	0.494	27.482	34.533	2000.000	inc	
Barium, Total	ug/L	MW-6S	8	107.113	17.075	0.670	95.676	118.549	2000.000		
Barium, Total	ug/L	MW-7S	13	40.862	4.056	0.494	38.857	42.866	2000.000	dec	
Barium, Total	ug/L	MW-8S	13	35.592	5.164	0.494	33.040	38.144	2000.000	dec	
Barium, Total	ug/L	MW-9S	13	44.369	7.617	0.494	40.605	48.133	2000.000	inc	
Barium, Total	ug/L	MW-9SR	2								*
Beryllium, Total	ug/L	MW-10S	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-11S	13	1.778	0.545	0.494	1.509	2.048	4.000		
Beryllium, Total	ug/L	MW-12S	13	2.000	0.000	0.494	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-13S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-14D	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-1S	7	0.100	0.000	0.734	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2D	6	0.100	0.000	0.822	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-2S	10	0.100	0.000	0.580	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-3S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-4S	13	2.000	0.000	0.494	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-5S	13	2.000	0.000	0.494	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-6S	6	0.100	0.000	0.822	0.100	0.100	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 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Beryllium, Total	ug/L	MW-7S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-8S	13	0.100	0.000	0.494	0.100	0.100	4.000		
Beryllium, Total	ug/L	MW-9S	12	2.000	0.000	0.518	2.000	2.000	4.000		
Beryllium, Total	ug/L	MW-9SR	2								*
Cadmium, Total	ug/L	MW-10S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-11S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-12S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-13S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-14D	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-1S	7	1.000	0.000	0.734	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2D	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-2S	10	1.000	0.000	0.580	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-3S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-4SR	4	0.100	0.000	1.176	0.100	0.100	5.000		
Cadmium, Total	ug/L	MW-5S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-6S	6	1.000	0.000	0.822	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-7S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-8S	13	1.000	0.000	0.494	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	5.000		
Cadmium, Total	ug/L	MW-9SR	2								*
Chromium, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-11S	13	10.238	9.651	0.494	5.470	15.007	100.000		
Chromium, Total	ug/L	MW-12S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-13S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-14D	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-2S	12	5.000	0.000	0.518	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-3S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-4SR	1								*

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Chromium, Total	ug/L	MW-5S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-7S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-8S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Chromium, Total	ug/L	MW-9SR	1								*
Cobalt, Total	ug/L	MW-10S	8	0.500	0.000	0.670	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-11S	13	2.508	3.800	0.494	0.630	4.385	6.000		
Cobalt, Total	ug/L	MW-12S	13	2.500	0.000	0.494	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-14D	13	0.600	0.245	0.494	0.479	0.721	6.000		
Cobalt, Total	ug/L	MW-1S	9	0.500	0.000	0.620	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-2D	8	0.588	0.247	0.670	0.422	0.753	6.000		
Cobalt, Total	ug/L	MW-2S	12	0.617	0.276	0.518	0.474	0.760	6.000		
Cobalt, Total	ug/L	MW-3S	13	0.500	0.000	0.494	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-4S	13	2.392	0.388	0.494	2.200	2.584	6.000		
Cobalt, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	6.000		
Cobalt, Total	ug/L	MW-5S	13	1.985	0.682	0.494	1.648	2.321	6.000		
Cobalt, Total	ug/L	MW-6S	8	1.863	0.288	0.670	1.670	2.055	6.000		
Cobalt, Total	ug/L	MW-7S	13	2.154	0.552	0.494	1.881	2.426	6.000		
Cobalt, Total	ug/L	MW-8S	13	0.762	0.943	0.494	0.296	1.228	6.000		
Cobalt, Total	ug/L	MW-9S	12	2.500	0.000	0.518	2.500	2.500	6.000		
Cobalt, Total	ug/L	MW-9SR	2								*
Fluoride	mg/L	MW-10S	8	2.688	0.247	0.670	2.522	2.853	4.000		
Fluoride	mg/L	MW-11S	13	1.538	0.139	0.494	1.470	1.607	4.000		
Fluoride	mg/L	MW-12S	13	1.204	0.671	0.494	0.872	1.536	4.000	inc	
Fluoride	mg/L	MW-13S	13	0.883	0.087	0.494	0.840	0.926	4.000	inc	
Fluoride	mg/L	MW-14D	13	0.225	0.086	0.494	0.182	0.267	4.000	dec	
Fluoride	mg/L	MW-1S	9	0.363	0.073	0.620	0.318	0.409	4.000		
Fluoride	mg/L	MW-2D	8	0.851	0.113	0.670	0.776	0.927	4.000		
Fluoride	mg/L	MW-2S	13	0.629	0.440	0.494	0.412	0.846	4.000	dec	
Fluoride	mg/L	MW-3S	13	0.221	0.117	0.494	0.163	0.278	4.000	dec	

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit

Table 1

Confidence Intervals for Comparing the Mean of the Last 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Fluoride	mg/L	MW-4S	13	0.094	0.031	0.494	0.079	0.109	4.000		
Fluoride	mg/L	MW-4SR	4	0.113	0.019	1.176	0.090	0.135	4.000		
Fluoride	mg/L	MW-5S	13	2.385	0.765	0.494	2.007	2.762	4.000	dec	
Fluoride	mg/L	MW-6S	8	1.412	0.230	0.670	1.259	1.566	4.000		
Fluoride	mg/L	MW-7S	13	0.543	0.082	0.494	0.503	0.584	4.000	inc	
Fluoride	mg/L	MW-8S	13	0.119	0.045	0.494	0.097	0.141	4.000	dec	
Fluoride	mg/L	MW-9S	13	0.082	0.055	0.494	0.055	0.110	4.000		
Fluoride	mg/L	MW-9SR	2								*
Lead, Total	ug/L	MW-10S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-11S	13	6.415	3.489	0.494	4.691	8.140	15.000		
Lead, Total	ug/L	MW-12S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-13S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-14D	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-1S	8	5.000	0.000	0.670	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2D	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-2S	11	5.000	0.000	0.546	5.000	5.000	15.000		
Lead, Total	ug/L	MW-3S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	15.000		
Lead, Total	ug/L	MW-5S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-6S	7	5.000	0.000	0.734	5.000	5.000	15.000		
Lead, Total	ug/L	MW-7S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-8S	13	5.000	0.000	0.494	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9S	12	5.000	0.000	0.518	5.000	5.000	15.000		
Lead, Total	ug/L	MW-9SR	2								*
Lithium, Total	ug/L	MW-10S	8	42.012	8.003	0.670	36.652	47.373	40.000		
Lithium, Total	ug/L	MW-11S	13	13.569	9.319	0.494	8.964	18.174	40.000		
Lithium, Total	ug/L	MW-12S	13	131.008	43.642	0.494	109.442	152.573	40.000	dec	**
Lithium, Total	ug/L	MW-13S	13	72.354	13.732	0.494	65.568	79.139	40.000	dec	**
Lithium, Total	ug/L	MW-14D	13	667.000	148.843	0.494	593.449	740.551	40.000		**
Lithium, Total	ug/L	MW-1S	9	10.000	0.000	0.620	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-2D	8	48.275	7.664	0.670	43.142	53.408	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 13 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	13	17.215	8.455	0.494	13.038	21.393	40.000		
Lithium, Total	ug/L	MW-3S	13	10.000	0.000	0.494	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-4S	13	14.815	6.438	0.494	11.634	17.997	40.000		
Lithium, Total	ug/L	MW-4SR	4	10.000	0.000	1.176	10.000	10.000	40.000		
Lithium, Total	ug/L	MW-5S	13	53.946	11.885	0.494	48.073	59.819	40.000	dec	**
Lithium, Total	ug/L	MW-6S	8	58.887	10.012	0.670	52.181	65.594	40.000		**
Lithium, Total	ug/L	MW-7S	13	88.000	8.905	0.494	83.599	92.401	40.000	dec	**
Lithium, Total	ug/L	MW-8S	13	134.838	29.756	0.494	120.135	149.542	40.000		**
Lithium, Total	ug/L	MW-9S	13	95.608	16.981	0.494	87.217	103.999	40.000	dec	**
Lithium, Total	ug/L	MW-9SR	2								*
Mercury	ug/L	MW-10S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-11S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-12S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-13S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-14D	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-1S	5	0.100	0.000	0.953	0.100	0.100	2.000		
Mercury	ug/L	MW-2D	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-2S	8	0.100	0.000	0.670	0.100	0.100	2.000		
Mercury	ug/L	MW-3S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Mercury	ug/L	MW-4SR	1								*
Mercury	ug/L	MW-5S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-6S	4	0.100	0.000	1.176	0.100	0.100	2.000		
Mercury	ug/L	MW-7S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-8S	13	1.000	0.000	0.494	1.000	1.000	2.000		
Mercury	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Mercury	ug/L	MW-9SR	1								*
Molybdenum, Total	ug/L	MW-10S	8	86.125	34.308	0.670	63.145	109.105	100.000		
Molybdenum, Total	ug/L	MW-11S	13	76.015	4.414	0.494	73.834	78.197	100.000		
Molybdenum, Total	ug/L	MW-12S	13	236.462	56.904	0.494	208.342	264.581	100.000		**
Molybdenum, Total	ug/L	MW-13S	13	620.538	160.713	0.494	541.122	699.955	100.000		**
Molybdenum, Total	ug/L	MW-14D	13	219.077	32.012	0.494	203.258	234.896	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 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Molybdenum, Total	ug/L	MW-1S	9	24.667	5.659	0.620	21.159	28.174	100.000		
Molybdenum, Total	ug/L	MW-2D	8	65.188	10.286	0.670	58.298	72.077	100.000		
Molybdenum, Total	ug/L	MW-2S	13	39.108	21.736	0.494	28.367	49.849	100.000		
Molybdenum, Total	ug/L	MW-3S	13	40.462	14.829	0.494	33.134	47.789	100.000	dec	
Molybdenum, Total	ug/L	MW-4S	13	5.000	0.000	0.494	5.000	5.000	100.000		
Molybdenum, Total	ug/L	MW-4SR	4	3.325	1.935	1.176	1.049	5.601	100.000		
Molybdenum, Total	ug/L	MW-5S	13	203.285	87.723	0.494	159.936	246.633	100.000	dec	**
Molybdenum, Total	ug/L	MW-6S	8	202.625	24.535	0.670	186.191	219.059	100.000		**
Molybdenum, Total	ug/L	MW-7S	13	574.231	91.208	0.494	529.160	619.301	100.000		**
Molybdenum, Total	ug/L	MW-8S	13	332.692	111.593	0.494	277.548	387.837	100.000		**
Molybdenum, Total	ug/L	MW-9S	13	259.100	140.257	0.494	189.791	328.409	100.000	dec	**
Molybdenum, Total	ug/L	MW-9SR	2								*
Selenium, Total	ug/L	MW-10S	8	0.600	0.283	0.670	0.411	0.789	50.000		
Selenium, Total	ug/L	MW-11S	13	0.546	0.166	0.494	0.464	0.628	50.000		
Selenium, Total	ug/L	MW-12S	13	6.800	6.171	0.494	3.750	9.850	50.000		
Selenium, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-14D	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-1S	9	0.500	0.000	0.620	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2D	8	0.500	0.000	0.670	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-2S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-3S	13	10.546	11.866	0.494	4.682	16.410	50.000		
Selenium, Total	ug/L	MW-4S	13	30.462	28.829	0.494	16.216	44.707	50.000		
Selenium, Total	ug/L	MW-4SR	4	4.900	2.264	1.176	2.237	7.563	50.000		
Selenium, Total	ug/L	MW-5S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-6S	8	3.763	3.081	0.670	1.699	5.826	50.000		
Selenium, Total	ug/L	MW-7S	13	0.500	0.000	0.494	0.500	0.500	50.000		
Selenium, Total	ug/L	MW-8S	13	3.908	1.533	0.494	3.150	4.665	50.000		
Selenium, Total	ug/L	MW-9S	13	29.992	49.019	0.494	5.769	54.215	50.000		
Selenium, Total	ug/L	MW-9SR	2								*
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	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-12S	12	1.000	0.000	0.518	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 13 Measurements to an Assessment Monitoring Standard

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
Thallium, Total	ug/L	MW-13S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-14D	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-1S	5	0.500	0.000	0.953	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-2S	8	0.500	0.000	0.670	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-3S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-4S	12	1.000	0.000	0.518	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-4SR	4	0.500	0.000	1.176	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-5S	13	1.000	0.000	0.494	1.000	1.000	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	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-8S	13	0.500	0.000	0.494	0.500	0.500	2.000		
Thallium, Total	ug/L	MW-9S	11	1.000	0.000	0.546	1.000	1.000	2.000		
Thallium, Total	ug/L	MW-9SR	2								*
Total Radium	pCi/L	MW-10S	8	1.426	1.080	0.670	0.702	2.149	5.000		
Total Radium	pCi/L	MW-11S	13	1.178	0.451	0.494	0.956	1.401	5.000		
Total Radium	pCi/L	MW-12S	13	1.289	0.570	0.494	1.007	1.570	5.000		
Total Radium	pCi/L	MW-13S	13	1.219	0.425	0.494	1.009	1.429	5.000		
Total Radium	pCi/L	MW-14D	13	1.602	0.420	0.494	1.394	1.809	5.000		
Total Radium	pCi/L	MW-1S	9	1.825	0.938	0.620	1.244	2.406	5.000		
Total Radium	pCi/L	MW-2D	8	1.966	0.848	0.670	1.398	2.534	5.000		
Total Radium	pCi/L	MW-2S	13	1.988	1.008	0.494	1.490	2.486	5.000		
Total Radium	pCi/L	MW-3S	13	0.783	0.138	0.494	0.715	0.851	5.000		
Total Radium	pCi/L	MW-4S	13	1.002	0.316	0.494	0.846	1.158	5.000		
Total Radium	pCi/L	MW-4SR	4	1.153	0.386	1.176	0.699	1.606	5.000		
Total Radium	pCi/L	MW-5S	13	1.330	0.353	0.494	1.156	1.505	5.000		
Total Radium	pCi/L	MW-6S	8	0.841	0.057	0.670	0.803	0.879	5.000		
Total Radium	pCi/L	MW-7S	13	1.334	0.380	0.494	1.146	1.522	5.000		
Total Radium	pCi/L	MW-8S	13	0.952	0.250	0.494	0.828	1.075	5.000		
Total Radium	pCi/L	MW-9S	12	1.138	0.295	0.518	0.985	1.291	5.000		
Total Radium	pCi/L	MW-9SR	2								*

* - Insufficient Data
** - Significant Exceedance
LCL = Lower Confidence Limit
UCL = Upper Confidence Limit