CECOS
INTERNATIONAL
5092 Aber Road
Williamsburg, Ohio 45176
513/724-6114

December 19, 2022

VIA EMAIL

Mr. Brian Marlatt
Ohio Environmental Protection Agency
401 East Fifth Street
Dayton, Ohio 45402-2911

RE: Detection Monitoring Program
2022 Second Semiannual Groundwater Quality and Statistical Analysis Results
CECOS International, Inc. - Aber Road Facility
Williamsburg, Ohio
EPA I.D. No. OHD 087 433 744

Dear Mr. Marlatt:

Transmitted herewith is the report: "Detection Monitoring Program, 2022 Second Semiannual Groundwater Quality and Statistical Analysis Results, CECOS International, Inc. - Aber Road Facility" (Eagon & Associates, Inc.; December 13, 2022). The report includes the results of the October 2022 sampling activities, November 2022 resampling activities, and statistical analysis of those results, where applicable. The 2022 second semiannual sampling event was conducted October 3-5, 2022. A resampling event for dissolved chromium at well MP-241R and dissolved arsenic for well MP-281C was conducted on November 10, 2022.

CECOS is presently performing groundwater detection monitoring activities in accordance with the Resource Conservation & Recovery Act (RCRA) for six closed regulated units at the Aber Road facility: Secure Chemical Management Facility 6 (SCMF 6), SCMF 7, SCMF 8, SCMF 9, SCMF 10, and Fire Pond 4/5. Groundwater monitoring activities for the facility's Detection Monitoring Program (DMP) are performed in accordance with the facility's Post-Closure Plan (PCP) dated August 2022. The statistical analysis program presented in the PCP has been used to evaluate the October 2022 groundwater quality results.

There were no confirmed statistically significant concentrations identified for any indicator constituent in any monitoring well during the event. The 2022 second semiannual dissolved metals results for the Upper Sand and 880 Sand wells displayed similar characteristics to historical concentrations detected at each well or in each zone and notable observations are discussed in the report. There were no VOC detections in the Upper Sand or 880 Sand at or above the parameter-specific PQLs during the event and there was no indication that additional evaluation of those zones is appropriate at this time.

In accordance with US EPA requirements for the facility, the October 2022 event included sampling all DMP wells for Toxic Substances Control Act parameters total organic carbon and polychlorinated biphenyls (PCBs). Those results are presented in the laboratory analytical report included in Appendix A of the attached report. No PCBs were detected in any well during the event.

As required by the Post-Closure Plan, the DMP event report is being submitted within 90 days of the October 5 completion of the 2022 second semiannual sampling event; i.e., by January 3, 2023.

Please call me at (513) 724-6114 if you have any questions regarding this submittal.

Sincerely,
CECOS International, Inc.

Butch Bradburn
Environmental Manager

Attachments: Detection Monitoring Program, 2022 Second Semiannual Groundwater Quality and Statistical Analysis Results, CECOS International, Inc. - Aber Road Facility

ecc: Lisa Graczyk, US EPA Region 5
Michael Beedle, US EPA Region 5
Hannah Lubbers, Director – OEQ, Clermont County
Joe Montello, Republic Services
Michael Gibson, Eagon & Associates, Inc.

File: B.3

DETECTION MONITORING PROGRAM
2022 SECOND SEMIANNUAL
GROUNDWATER QUALITY AND
STATISTICAL ANALYSIS RESULTS

CECOS INTERNATIONAL, INC.
ABER ROAD FACILITY
WILLIAMSBURG, OHIO

EPA ID # OHD-087-433-744

Prepared for:

CECOS INTERNATIONAL, INC.

Prepared by:

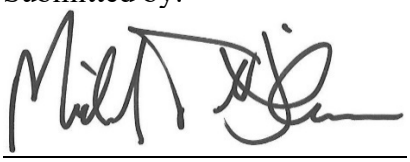
EAGON & ASSOCIATES, INC.

December 13, 2022

EAGON & ASSOCIATES, INC.
100 West Old Wilson Bridge Road, Suite 115
Worthington, Ohio 43085
(614) 888-5760

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Submitted by:



Michael T. Gibson, CPG
Hydrogeologist
Eagon & Associates, Inc.

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1
1.1 Status of the Groundwater Monitoring Program 2

2.0 EVENT SUMMARY 3
2.1 Field Activities 3
2.2 Water Levels and Groundwater Flow 4
2.3 Sample Analyses and Quality Assurance 7

3.0 STATISTICAL ANALYSIS 8
3.1 Background Data 8
3.2 Statistical Analysis of October 2022 Dissolved Metals Results 8
3.3 Statistical Analysis of VOCs 9

4.0 EVALUATION OF DISSOLVED METALS RESULTS FROM THE UPPER SAND AND 880 SAND 10

6.0 SUMMARY 11

FIGURES

Figure 1. Base Map
Figure 2. Potentiometric Surface of the Upper Sand Zone, October 3, 2022
Figure 3. Potentiometric Surface of the 880 Sand Zone, October 3, 2022
Figure 4. Potentiometric Surface of the Channel Sand Zone, October 3, 2022
Figure 5. Potentiometric Surface of the Bedrock-Till Interface, October 3, 2022

TABLES

Table 1A. Measured Water Levels in the Upper Sand Zone, October 3, 2022
Table 1B. Measured Water Levels in the 880 Sand Zone, October 3, 2022
Table 1C. Measured Water Levels in the Channel Sand Zone, October 3, 2022
Table 1D. Measured Water Levels in the Bedrock-Till Interface, October 3, 2022
Table 2. Summary of Laboratory Analytical Results, Upper Sand Zone, October 2022
Table 3. Summary of Laboratory Analytical Results, 880 Sand Zone, October 2022
Table 4. Summary of Laboratory Analytical Results, Channel Sand Zone, October 2022
Table 5. Summary of Laboratory Analytical Results, Bedrock-Till Interface, October 2022
Table 6. Summary of Laboratory Analytical Results, QA/QC Samples, October 2022

TABLE OF CONTENTS

APPENDICES

Appendix A. Laboratory Data Report, Field Information Forms, Chain-of-Custody Records, and Field Meter Calibration Records for the October 2022 Second Semiannual Sampling Event
Appendix B. Laboratory Data Report, Field Information Form, Chain-of-Custody Record, and Field Meter Calibration Record for the November 2022 Resampling Event
Appendix C. 2022 Second Semiannual Statistical Analysis Results, Channel Sand and BTI Wells
Appendix D. Time-Series Plots of Metals Results – Upper Sand Wells
Appendix E. Time-Series Plots of Metals Results – 880 Sand Wells

DETECTION MONITORING PROGRAM
2022 SECOND SEMIANNUAL
GROUNDWATER QUALITY AND
STATISTICAL ANALYSIS RESULTS
CECOS INTERNATIONAL, INC. – ABER ROAD FACILITY

1.0 INTRODUCTION

This report presents the results of the 2022 second semiannual Detection Monitoring Program (DMP) groundwater sampling event performed at CECOS International Inc.'s (CECOS) Aber Road facility in Williamsburg, Ohio (Figure 1). The report has been prepared by Eagon & Associates, Inc. (Eagon) on behalf of the facility. The 2022 second semiannual sampling event was completed October 3 through 5, 2022.

CECOS is presently performing groundwater detection monitoring activities in accordance with the Resource Conservation & Recovery Act (RCRA) for six closed regulated units at the Aber Road facility: Secure Chemical Management Facility 6 (SCMF 6), SCMF 7, SCMF 8, SCMF 9, SCMF 10, and Fire Pond 4/5 (Figure 1). Although the regulated units were closed under the Interim Status hazardous waste regulations, groundwater monitoring activities are performed in accordance with Ohio EPA's more comprehensive permitted status regulations; i.e., OAC Rules 3745-54-90 through 54-100. The 2022 second semiannual DMP sampling event was performed in accordance with the facility's Ohio EPA Post-Closure Plan dated August 2022.

Included herein is a summary of the October 2022 field activities, analytical results, laboratory quality assurance and quality control (QA/QC) information, chain-of-custody records, field information forms, field-meter calibration records, and the statistical analysis results.

The initial October 2022 concentrations for dissolved chromium at Bedrock-Till Interface (BTI) monitoring well MP-241R and dissolved arsenic at channel sand (CS) monitoring well MP-281C were determined to be statistically significant. A resampling event was performed on November 10, 2022 and the results from that event did not confirm the October 2022 initial

exceedances. Therefore, no confirmed statistically significant results were identified for any monitoring well during the event.

1.1 Status of the Groundwater Monitoring Program

Four hydrostratigraphic zones are monitored as part of the DMP. Included in descending order are the Upper Sand, the 880 Sand, the Channel Sand, and the Bedrock-Till Interface. Only the BTI is present in all areas (Figures 2 through 5).

The DMP groundwater monitoring network consists of 45 monitoring wells, as follows:

- **Upper Sand**: one background and eight point-of-compliance monitoring wells;
- **880 Sand:** one background and 15 point-of-compliance wells;
- **Channel Sand:** one background and two point-of-compliance wells; and
- **BTI:** one background and 16 point-of-compliance wells.

In addition, site-wide water levels are measured semiannually in piezometers completed in each of the four monitoring zones. Figures 2 through 5 show the monitoring well and piezometer locations for each monitoring horizon, respectively. Tables 1A through 1D list the monitoring wells and piezometers completed in each monitoring zone.

The indicator constituents statistically evaluated for the Upper Sand and 880 Sand zones consist of the 62 U.S. EPA SW-846 Methods 8260 and 8011 volatile organic compounds (VOCs) listed on Table 11 of the facility's Post-Closure Plan. The statistical indicator constituents for the Channel Sand and BTI zones include the same list of VOCs, plus the dissolved RCRA metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. The Upper Sand and 880 Sand wells are sampled for the RCRA metals; however, those results are for informational purposes only and are not statistically evaluated. In accordance with the statistical analysis program, all point-of-compliance wells in each of the four monitoring horizons are evaluated for their respective indicator constituents during each routine semiannual event.

In addition to the post-closure groundwater monitoring activities, the DMP monitoring wells are sampled for the facility's Toxic Substances Control Act (TSCA) parameters and those analytical results are also presented herein. The TSCA-specific parameters analyzed in addition to the DMP parameters are polychlorinated biphenyls (PCBs) and total organic carbon (TOC). Organic carbon is naturally occurring in groundwater at the Site and is regularly detected in most wells. No PCBs were detected in any sample collected during the October 2022 event.

2.0 EVENT SUMMARY

2.1 Field Activities

Groundwater sampling activities conducted during the 2022 second semiannual sampling event were performed by Eagon. Site-wide water levels were measured on October 3, 2022. Quality assurance/quality control (QA/QC) samples collected during the event included three duplicate samples, one field-blank sample, one matrix spike sample, and one matrix spike duplicate sample. The QA/QC samples were analyzed for all of the parameters included in the event. A trip blank was analyzed for VOCs.

As part of the routine event, the monitoring wells were purged using low-flow sampling protocols or were purged to dryness prior to sample collection following methods described in the Post-Closure Plan. The wells were sampled immediately following purging in low-flow wells and were sampled when adequate recharge had occurred in wells that were purged dry. Samples were collected from wells purged dry no later than 24 hours after purging was completed.

Field measurements of depth to water, pH, temperature, specific conductance, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) were measured and recorded at each well. Depth to water, pH, temperature, and specific conductance measurements were used to monitor stabilization during purging for the purpose of determining when adequate purging had occurred in low-flow wells prior to sample collection. Field water-quality meters were calibrated and/or checked each day prior to sampling and the results of each calibration check are recorded on the field meter calibration forms, which are included in Appendices A and B.

Sample water for dissolved metals analysis was field filtered through inline 0.45-micron filters attached directly to the pump discharge tubing at each well.

A routine well inspection was completed during the event at the time water levels were collected. The lid on the protective casing at piezometer MP-283C was observed to be bent and difficult to open and gaps were observed between the base of the protective cover and the concrete surface seals at piezometers MP-275 and MP-306A. These well integrity issues will be corrected prior to the next semiannual sampling event. There were no other well integrity issues observed during the event. The results of well integrity inspections performed at each monitoring well and piezometer and any corrective actions taken are recorded on inspection reports on file at the Site.

The field information forms and laboratory analytical data report for the event are included in Appendix A. Water levels, purge information, sample observations, and field parameters measured at each well at the time of purging and sampling are included on the field information forms.

2.2 Water Levels and Groundwater Flow

Groundwater flow conditions have been characterized for the 2022 second semiannual event using the October 3, 2022 water-level elevations measured in the monitoring wells and piezometers. All water levels were measured prior to purging any well and are summarized for the Upper Sand, 880 Sand, Channel Sand, and BTI in Tables 1A through 1D, respectively.

Figure 2 shows the contoured water-level elevations and groundwater flow conditions observed across the site within the Upper Sand at the time of the October 2022 sampling event. The Upper Sand is not present beneath the regulated units where it was excavated during construction, nor is it present in other areas of the facility located outside of its natural areal extent shown on Figure 2. Water levels and flow orientations in the Upper Sand during the event were consistent with previous observations, with groundwater flow generally toward the south in the vicinity of the regulated units.

The groundwater flow velocity in the Upper Sand at the time of the October 2022 sampling event has been calculated using the following formula:

$$\bar{v} = \frac{Ki}{n}$$

where: $\bar{v}$ = average linear flow velocity in feet per day (ft/d)

K = hydraulic conductivity (ft/d)

i = hydraulic gradient (dimensionless)

n = effective porosity (percent)

Assuming: K = 5.0 x 10^{-3} centimeters per second (cm/s), or 14 ft/d, based on the 1989 RCRA Facility Investigation (RFI); i = 2.7 x 10^{-2} in October 2022; and n = 25%; the calculated average linear groundwater flow velocity in the Upper Sand in the vicinity of the regulated units was approximately 1.5 ft/d during the event.

Figure 3 shows the contoured water-level elevations and groundwater flow conditions observed across the site within the 880 Sand at the time of the October 2022 event. As with the Upper Sand discussed above, the 880 Sand is not present where it was excavated beneath the regulated units and has limited natural areal extent outside of the units. Water levels and flow orientations in the 880 Sand during the event were consistent with previous observations. The groundwater flow direction in the vicinity of the regulated units was generally toward the south, with slight southeastward and southwestward variations in some areas (Figure 3).

Assuming: K = 1.0 x 10^{-2} cm/s (28.3 ft/d) (RFI); i = 2.2 x 10^{-2} in October 2022; and n = 25%; the calculated average linear groundwater flow velocity in the 880 Sand in the vicinity of the regulated units was approximately 2.5 ft/d during the event.

Figure 4 shows the contoured water-level elevations and groundwater flow conditions within the Channel Sand at the time of the sampling event. Water levels and flow orientations

were consistent with previous observations. The groundwater flow direction in the Channel Sand follows the discrete nature of the unit and showed an eastward component of flow in the northwestern half of the facility and a south-southeastward component of flow in the vicinity of SCMF 10 during the event.

Assuming: $K = 1.0 \times 10^{-1}$ cm/s (283 ft/d) (RFI); $i = 4.3 \times 10^{-4}$ in October 2022; and n = 25%; the calculated average linear groundwater flow velocity in the Channel Sand in the vicinity of the regulated units was approximately 0.5 ft/d during the event.

Figure 5 shows the contoured water-level elevations and groundwater flow conditions observed across the site within the Bedrock-Till Interface (BTI). October 2022 water levels and flow orientations were generally consistent with previous observations. The groundwater flow direction in the BTI varies across the site as shown on Figure 5 and is characterized as southwesterly in the western part of the site, southerly in the central area, and southeasterly in the eastern part of the site.

Assuming: $K = 5.0 \times 10^{-5}$ cm/s (0.14 ft/d) (RFI); $i = 8.0 \times 10^{-3}$ in October 2022; and n = 20%; the calculated average linear groundwater flow velocity in the BTI in the vicinity of the regulated units was approximately 5.6×10^{-3} ft/d during the event.

The general flow directions and velocities discussed above for each of the four monitoring zones are consistent with previous observations. The adequacy of well placement in the groundwater monitoring network has been evaluated using the October 2022 groundwater flow conditions and the requirements of OAC Rule 3745-54-97(A). Based upon that review, the groundwater monitoring network for the Detection Monitoring Program at the Aber Road facility continues to consist of a sufficient number of appropriately placed monitoring wells to detect statistically significant concentrations of hazardous constituents downgradient of the regulated units.

2.3 Sample Analyses and Quality Assurance

The analytical results for all inorganic parameters at each well in the Upper Sand, 880 Sand, Channel Sand, and Bedrock-Till Interface are summarized on Tables 2, 3, 4, and 5, respectively. Table 6 summarizes the field-bias (i.e., field blank and trip blank) and laboratory method blank results from the event. The analytical methods, PQLs (identified as "RL" in the laboratory reports), and method detection limits (MDLs) are shown on the laboratory analytical report included in Appendix A. All laboratory analyses of groundwater samples were performed by Eurofins Environment Testing America - Buffalo (EETA-Buffalo) of Amherst, New York. All field analyses were performed by Eagon personnel. The field and laboratory analytical results for October 2022 will be entered into the facility's 2022 annual groundwater reporting electronic database that will be submitted to Ohio EPA by March 1, 2023.

Duplicate samples were collected from monitoring wells MP-409, MP-401B, and MP-250 during the October 2022 event. The duplicate results are in close agreement with their associated monitoring well sample results. Relative percent differences (RPD) for constituents detected in all of the original and duplicate samples are shown next to their respective original well sample results on Tables 2 through 4 and were below an RPD of 10 for all analytes.

A field blank sample (Field Blank – DMP) also was collected for QA/QC purposes and was prepared using laboratory supplied, reagent-grade deionized water. The field blank was analyzed for all parameters included in the monitoring event. There were no quantified detections of any constituent analyzed in the field blank. A trip blank prepared by the laboratory was analyzed for VOCs and there were no detections.

Laboratory QA/QC was evaluated internally by laboratory personnel and a summary narrative of that evaluation is included in Appendix A. No QA/QC issues noted by the laboratory required corrective action. All results for the event are considered representative.

3.0 STATISTICAL ANALYSIS

Statistical analysis of the October 2022 semiannual DMP monitoring results was completed in accordance with the statistical program detailed in Section 11 (Groundwater Statistical Analysis Plan) of the Post-Closure Plan (August 2022). The October 2022 results for the eight dissolved RCRA metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver were statistically evaluated for the two point-of-compliance (POC) Channel Sand monitoring wells (MP-281C and MP-406C) and the 16 POC BTI monitoring wells (MP-233R, MP-234R, MP-235R, MP-237, MP-238R, MP-241R, MP-244R, MP-250, MP-274, MP-279, MP-280 and MP-281, MP-404, MP-407, MP-408, and MP-409). In addition, statistical analysis of the results for the 62 indicator VOCs has been performed for all downgradient monitoring wells in all four monitoring horizons.

Statistical analyses were performed via the comparison of the October 2022 results to intrawell prediction limits calculated for the dissolved indicator metals using the *Sanitas*™ statistical software package, as presented in the August 2022 Post-Closure Plan.

3.1 Background Data

The intrawell statistical methods used to evaluate the dissolved metals results at the Aber Road facility involve comparisons between monitoring data collected during a background period to future semiannual sampling results from the same well to determine if the results are statistically significant. Current summary background statistics computed for each downgradient well, for each RCRA metal, are presented in Appendix C. VOC results are compared to their respective PQLs.

3.2 Statistical Analysis of October 2022 Dissolved Metals Results

The results of the statistical analyses for the dissolved metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver were completed for the Channel Sand and BTI zones and are presented in Appendix C. The initial, October 2022 results for dissolved chromium

at BTI well MP-241R (0.0081 mg/L) and arsenic at CS well MP-281C (0.0062 mg/L) exceeded the respective intrawell statistical limits of 0.005 mg/L for dissolved chromium at MP-241R and 0.0051 mg/L for dissolved arsenic at MP-281C. These wells were resampled on November 10, 2022. The resample results of <0.005 mg/L for dissolved chromium at MP-241R and 0.0051 mg/L for dissolved arsenic at MP-281C did not confirm the initial exceedances; therefore, no further action is necessary relative to dissolved chromium at MP-241R and dissolved arsenic at MP-281C. For the event, no confirmed statistically significant dissolved metals results were identified at any CS or BTI monitoring well.

As with past events, arsenic and barium were detected at most wells. Cadmium, chromium, lead, mercury, selenium, and silver were not detected at or above their PQLs at any Channel Sand or BTI monitoring well during the event, with the exception of the unconfirmed dissolved chromium detection at MP-241R discussed previously. Arsenic and barium are naturally occurring in all saturated intervals monitored at the site.

3.3 Statistical Analysis of VOCs

In accordance with the statistical analysis plan, a statistically significant result for any one of the 62 VOCs on the DMP indicator parameter list is defined as a confirmed detection at or above the constituent's PQL at the point-of-compliance. Thus, if a VOC is detected at or above its PQL in a sample collected during a routine sampling event, and a resample and reanalysis is conducted and the VOC also is detected at or above its PQL in the resample, then the VOC result reported during the routine event is considered statistically significant.

Summaries of comparisons of the VOC results to their respective PQLs at the downgradient monitoring wells in all four monitoring zones are presented in Tables 2 through 5. An “ND” result on the tables indicates that all 62 VOCs analyzed were not detected at or above their respective PQLs for that well. There were no VOCs detected at or above their respective PQLs at any monitoring well (Appendix A). Therefore, no statistical exceedances of VOCs occurred during the event.

4.0 EVALUATION OF DISSOLVED METALS RESULTS FROM THE UPPER SAND AND 880 SAND

Semiannual dissolved metals results from the Upper Sand and 880 Sand monitoring networks are not statistically evaluated; however, those results are reviewed qualitatively for reference purposes. For the October 2022 event, time-series plots were generated for the eight dissolved metals routinely sampled in the Upper Sand and 880 Sand zones and are presented in Appendix D (Upper Sand) and Appendix E (880 Sand). Included are plots for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Dissolved arsenic and chromium results are available for wells included in the monitoring program since as far back as 1997, whereas dissolved barium, cadmium, lead, mercury, selenium, and silver have been routinely analyzed since October 2012.

Barium at Upper Sand monitoring well MP-402A (0.060 mg/L) was detected slightly above its upper historical range in October 2022. However, recent barium concentrations in the well continue to be consistent with those observed at other Upper Sand wells, including nearby wells MP-244ARR (0.060 mg/L) and MP-401A (0.044 mg/L). Changes in barium concentrations at MP-402A since 2017 (Appendix D) display seasonality common to other Upper Sand wells when compared to relatively static early results following the well's installation in 2012. Higher concentrations are often observed at the well during the fall events compared to spring. In addition, the variability in concentrations at MP-402A since 2017, and the range of concentrations observed, are typical for the Upper Sand and suggest that barium concentrations in the well continue to normalize to the range of natural variability observed in both the Upper Sand and 880 Sand at the Site (Appendices D and E).

As shown on the time-series plots, the October 2022 metals results were generally within the range of previously observed concentrations in both the Upper Sand and 880 Sand. Arsenic is typically detected in most wells and barium was detected in all Upper Sand and 880 Sand wells during the event. No detections at or above their respective PQLs were reported for any other metals in the 880 Sand or Upper Sand monitoring wells. Based on the review of the October 2022

sampling results, no additional evaluation of the Upper Sand and 880 Sand monitoring zones is warranted at this time.

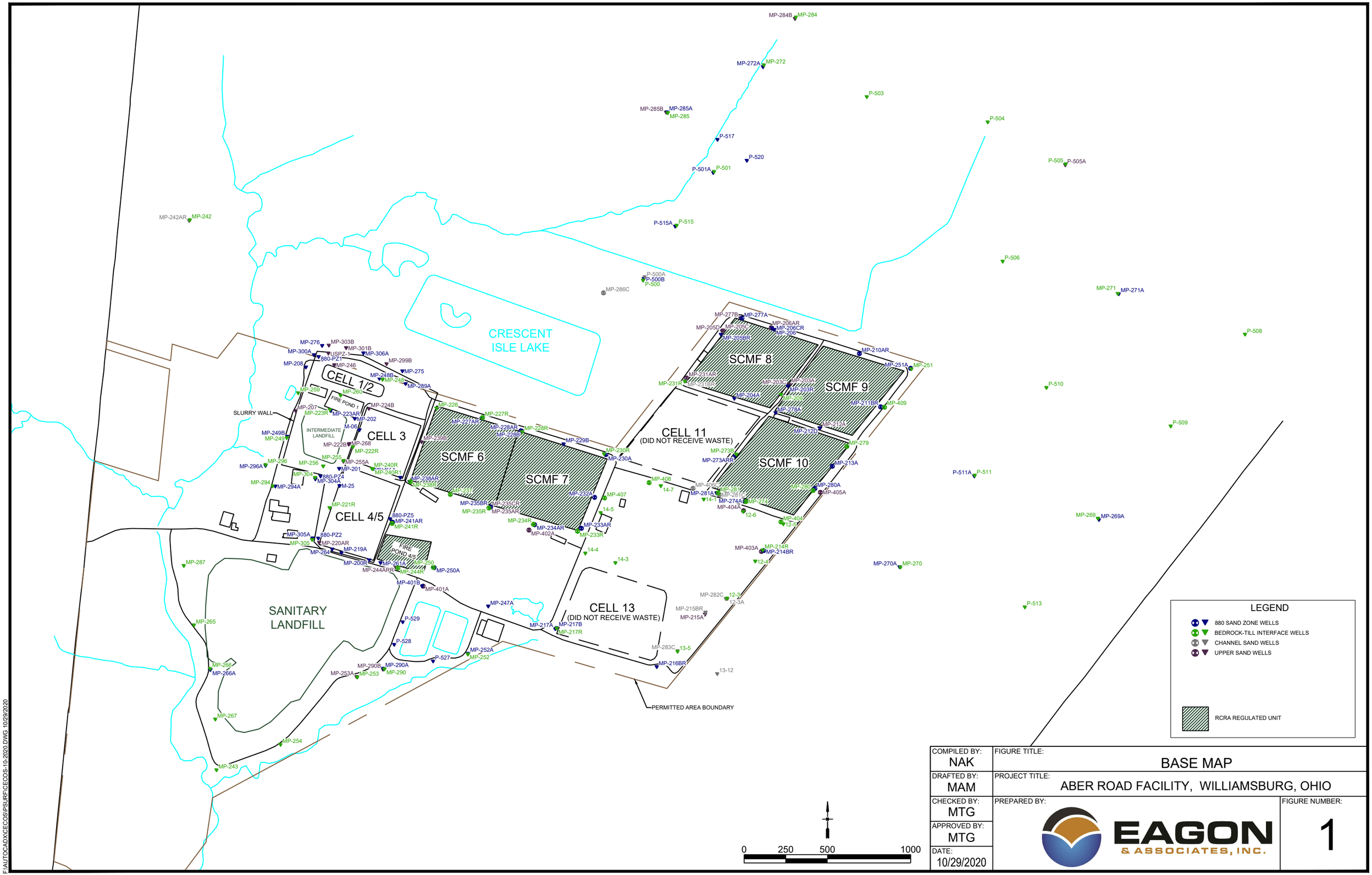
6.0 SUMMARY

Analysis of the 2022 second semiannual DMP groundwater quality sampling results collected in October 2022 identified initial statistically significant results for dissolved chromium at BTI well MP-241R and dissolved arsenic at CS well MP-281C. Resampling performed in November 2022 did not confirm the original results at MP-241R or MP-281C and no further action for dissolved chromium at MP-241R or dissolved arsenic at MP-281C is warranted. Therefore, no confirmed statistically significant concentrations of the indicator constituents were observed at any monitoring well downgradient of the regulated units at the Aber Road facility.

Consistent with past TSCA sampling results, no PCBs were detected in any monitoring well during the event.

The next routine semiannual DMP groundwater sampling event is tentatively scheduled for April 2023.

FIGURES



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CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	FIGURE NUMBER: 1
DATE: 10/29/2020	

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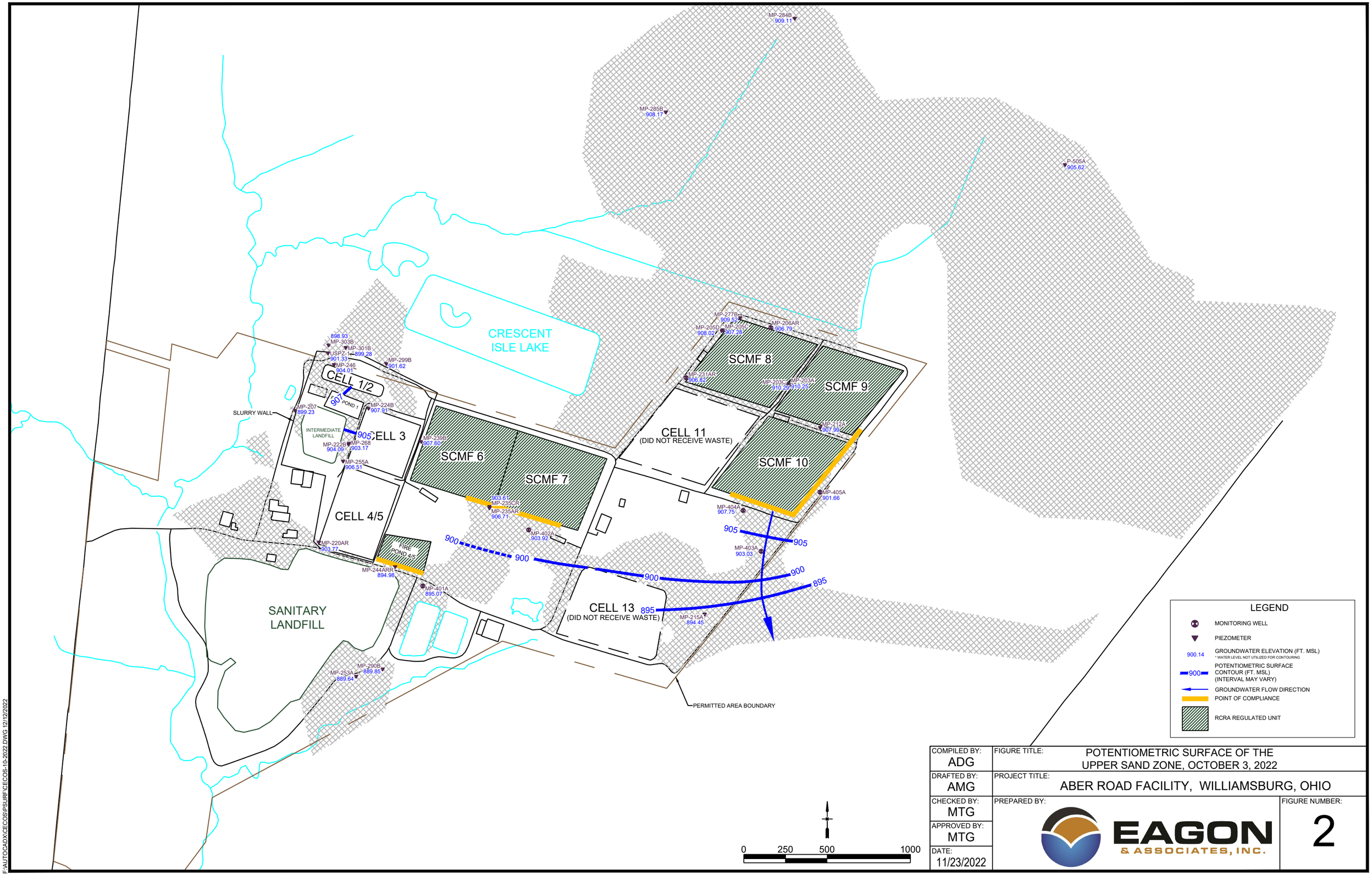

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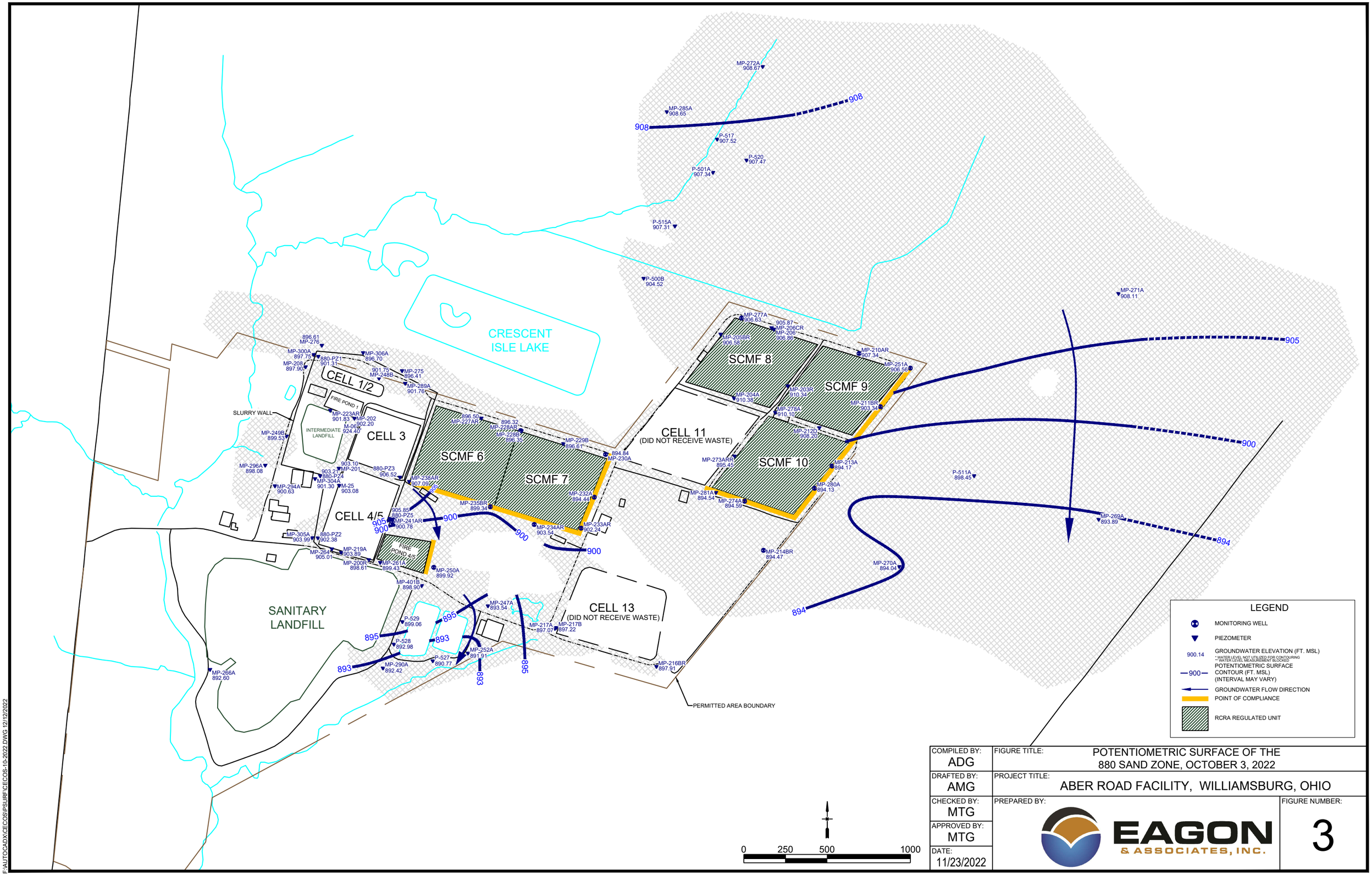

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DATE: 11/23/2022		

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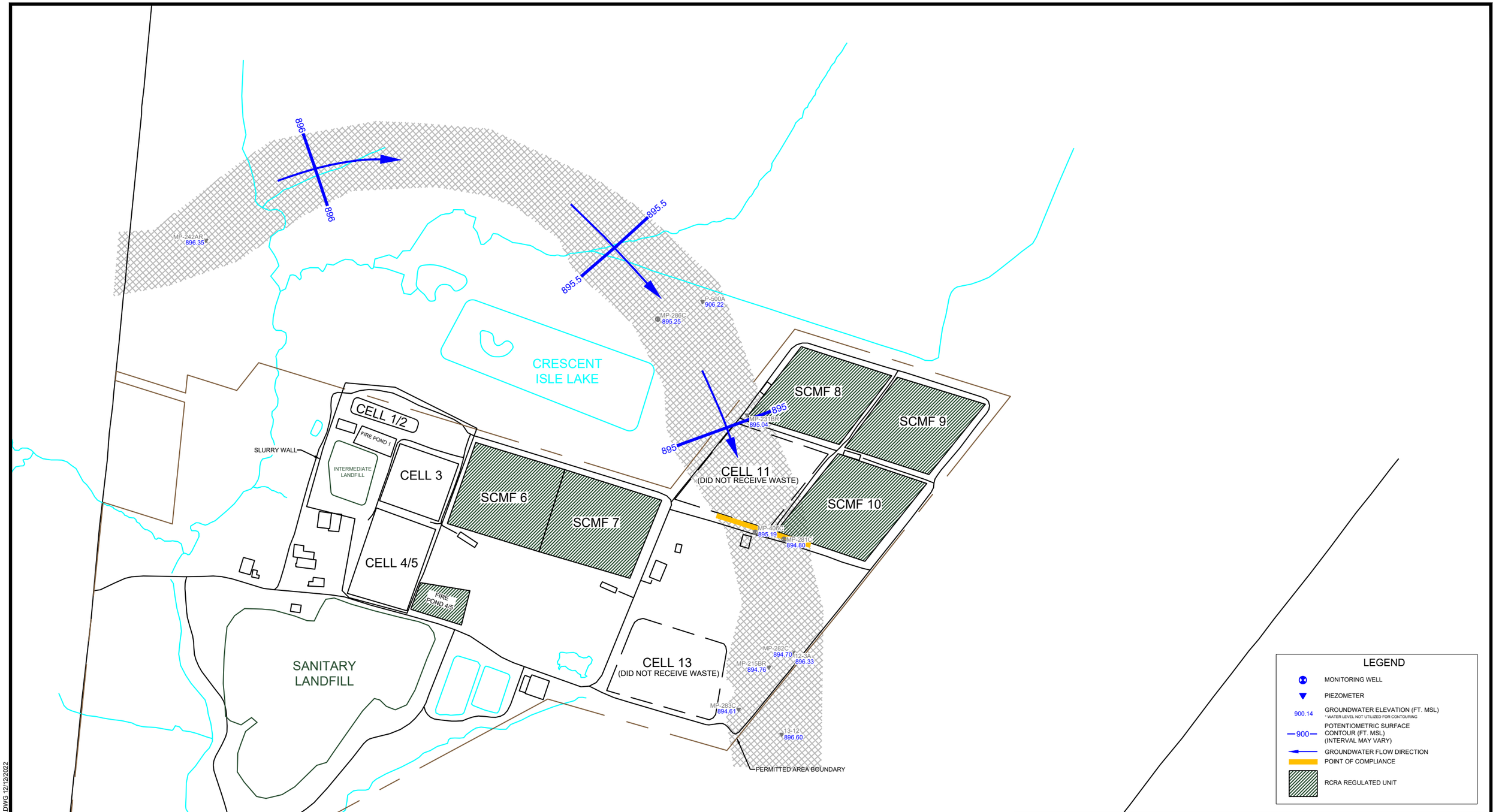

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CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.	FIGURE NUMBER: 4
APPROVED BY: MTG		
DATE: 11/23/2022		

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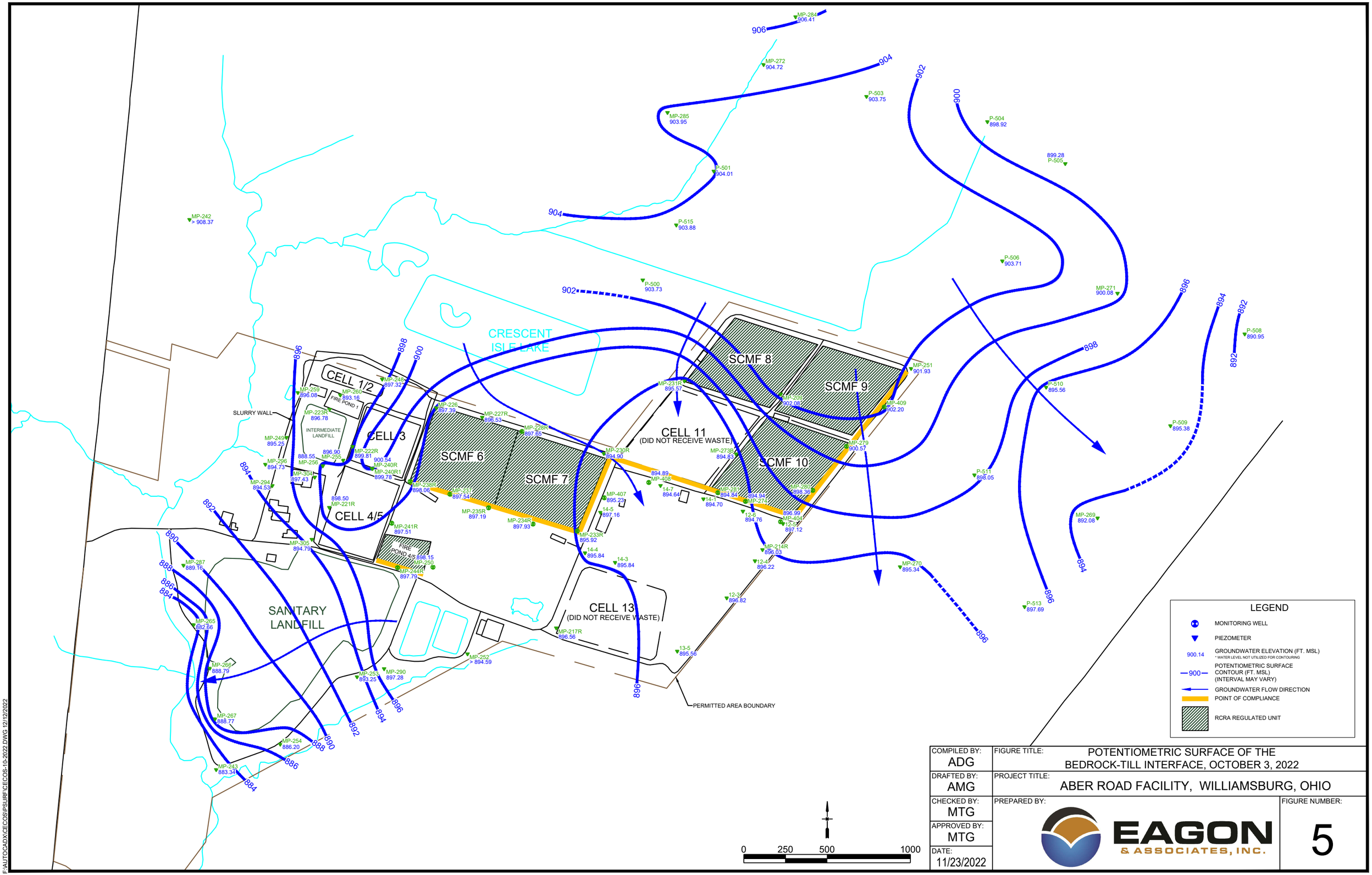

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APPROVED BY: MTG	FIGURE NUMBER: 5
DATE: 11/23/2022	

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TABLES

TABLE 1A.
MEASURED WATER LEVELS IN THE UPPER SAND ZONE
OCTOBER 3, 2022
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Notes
MP-203A	PZ	928.74	13:25	18.49	910.25	
MP-203C	PZ	927.60	13:26	17.31	910.29	
MP-205C	PZ	915.36	9:23	8.08	907.28	
MP-205D	PZ	915.73	9:25	7.71	908.02	
MP-206AR	MW	916.73	9:48	9.94	906.79	
MP-207	MW	906.54	9:26	7.31	899.23	
MP-212A	PZ	913.30	13:31	5.31	907.99	
MP-215A	MW	909.11	11:39	14.66	894.45	
MP-220AR	PZ	910.10	11:50	6.33	903.77	
MP-222B	MW	910.09	11:00	6.00	904.09	
MP-224B	MW	913.83	10:47	5.92	907.91	
MP-231AR	MW	915.73	9:18	8.91	906.82	
MP-235AR	PZ	913.53	11:17	6.82	906.71	
MP-235CR	MW	914.66	11:20	11.05	903.61	
MP-239B	MW	915.58	10:50	7.98	907.60	
MP-244ARR	MW	909.82	9:07	14.84	894.98	
MP-246	MW	908.59	9:54	4.58	904.01	
MP-253A	PZ	900.34	12:09	10.70	889.64	
MP-255A	PZ	910.82	11:11	4.31	906.51	
MP-268	PZ	910.12	11:03	6.95	903.17	
MP-277B	PZ	915.56	9:35	6.04	909.52	
MP-284B	PZ	913.31	11:05	4.20	909.11	
MP-285B	PZ	915.27	11:20	7.10	908.17	
MP-290B	MW	898.71	12:04	8.86	889.85	
MP-299B	PZ	911.62	10:18	10.00	901.62	
MP-301B	PZ	907.90	9:48	8.62	899.28	
MP-303B	MW	906.24	9:46	7.31	898.93	
MP-401A	MW	906.37	9:20	11.30	895.07	
MP-402A	MW	908.42	11:31	4.50	903.92	
MP-403A	MW	912.37	10:53	9.34	903.03	
MP-404A	MW	915.09	12:25	7.34	907.75	
MP-405A	MW	911.02	10:31	9.36	901.66	
P-505A	PZ	915.97	11:17	10.35	905.62	
USPZ-1	PZ	908.00	10:46	6.67	901.33	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1B.
MEASURED WATER LEVELS IN THE 880 SAND ZONE
OCTOBER 3, 2022
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Notes
880-PZ1	PZ	908.49	9:38	7.18	901.31	
880-PZ2	PZ	907.11	11:48	4.73	902.38	
880-PZ3	PZ	915.45	11:06	8.93	906.52	
880-PZ4	PZ	909.45	11:31	6.24	903.21	
880-PZ5	PZ	914.42	12:09	8.57	905.85	
M-06	PZ	932.75	10:55	8.35	924.40	
M-25	PZ	913.32	11:22	10.24	903.08	
MP-200R	PZ	913.79	12:00	15.18	898.61	
MP-201	PZ	909.86	11:16	6.76	903.10	
MP-202	MW	911.89	10:51	9.69	902.20	
MP-203R	PZ	927.77	13:27	17.43	910.34	
MP-204A	PZ	917.16	13:21	6.78	910.38	
MP-205BR	PZ	914.62	9:26	8.04	906.58	
MP-206	PZ	915.99	9:43	9.13	906.86	
MP-206CR	PZ	915.31	9:44	9.44	905.87	
MP-208	MW	907.57	9:33	9.67	897.90	
MP-210AR	MW	912.83	9:51	5.49	907.34	
MP-211BR	MW	911.09	10:02	7.75	903.34	
MP-212D	PZ	912.48	13:33	4.28	908.20	
MP-213A	MW	912.98	10:12	18.81	894.17	
MP-214BR	MW	910.29	10:49	15.82	894.47	
MP-216BR	MW	911.36	12:02	13.45	897.91	
MP-217A	PZ	914.14	9:38	17.07	897.07	
MP-217B	PZ	914.24	9:36	17.02	897.22	
MP-219A	MW	912.34	11:56	8.45	903.89	
MP-223AR	PZ	910.63	10:04	8.80	901.83	
MP-227AR	PZ	912.12	10:34	15.62	896.50	
MP-228AR	MW	911.64	10:28	15.32	896.32	
MP-228B	PZ	911.34	10:26	14.99	896.35	
MP-229B	PZ	910.63	10:21	14.02	896.61	
MP-230A	MW	908.75	10:15	13.91	894.84	
MP-232A	MW	909.75	10:11	15.31	894.44	
MP-233AR	MW	907.44	9:59	5.20	902.24	
MP-234AR	MW	910.90	11:28	7.36	903.54	
MP-235BR	MW	914.50	11:22	15.16	899.34	
MP-238AR	MW	916.36	12:15	9.27	907.09	
MP-241AR	MW	916.39	12:07	15.61	900.78	
MP-247A	PZ	908.47	9:26	14.93	893.54	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1B.
MEASURED WATER LEVELS IN THE 880 SAND ZONE
OCTOBER 3, 2022
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Notes
MP-248B	MW	909.77	10:32	8.02	901.75	
MP-249B	MW	903.68	9:21	4.15	899.53	
MP-250A	MW	910.24	9:15	10.32	899.92	
MP-251A	MW	911.54	9:58	4.98	906.56	
MP-252A	MW	894.88	11:40	2.97	891.91	
MP-261A	PZ	912.36	9:04	12.93	899.43	
MP-264	PZ	909.85	11:53	4.84	905.01	
MP-266A	PZ	899.54	12:25	6.94	892.60	
MP-269A	PZ	912.62	9:50	18.73	893.89	
MP-270A	PZ	911.54	9:35	17.50	894.04	
MP-271A	PZ	914.14	10:11	6.03	908.11	
MP-272A	PZ	913.37	11:01	4.70	908.67	
MP-273ARR	PZ	932.26	13:13	36.81	895.45	
MP-274A	MW	912.78	12:21	18.19	894.59	
MP-275	MW	911.89	10:21	15.48	896.41	
MP-276	MW	906.81	9:43	10.20	896.61	
MP-277A	MW	915.24	9:37	8.61	906.63	
MP-278A	PZ	919.23	13:22	9.13	910.10	
MP-280A	MW	912.28	10:32	18.15	894.13	
MP-281A	PZ	913.69	12:34	19.15	894.54	
MP-285A	PZ	916.14	11:19	7.49	908.65	
MP-289A	PZ	913.33	10:25	11.57	901.76	
MP-290A	PZ	899.09	11:57	6.67	892.42	
MP-294A	PZ	905.35	9:07	4.72	900.63	
MP-296A	PZ	902.90	9:13	4.82	898.08	
MP-300A	PZ	907.33	9:36	9.58	897.75	
MP-304A	MW	908.42	11:27	7.12	901.30	
MP-305A	MW	908.11	11:45	4.12	903.99	
MP-306A	MW	911.34	10:14	14.64	896.70	
MP-401B	MW	906.56	9:18	7.66	898.90	
P-500B	PZ	914.82	11:54	10.30	904.52	
P-501A	PZ	913.93	10:43	6.59	907.34	
P-511A	PZ	913.52	9:42	15.07	898.45	
P-515A	PZ	913.01	10:46	5.70	907.31	
P-517	PZ	912.34	10:55	4.82	907.52	
P-520	PZ	914.77	10:40	7.30	907.47	
P-527	PZ	894.90	11:43	4.13	890.77	
P-528	PZ	900.31	11:48	7.33	892.98	
P-529	PZ	902.51	11:53	3.45	899.06	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1C.
MEASURED WATER LEVELS IN THE CHANNEL SAND ZONE
OCTOBER 3, 2022
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Notes
12-3A	PZ	911.99	11:08	15.66	896.33	
13-12	PZ	913.13	9:30	17.53	895.60	
MP-215BR	MW	909.99	11:33	15.23	894.76	
MP-231BR	PZ	917.95	9:17	22.91	895.04	
MP-242AR	PZ	909.42	12:17	13.07	896.35	
MP-281C	MW	914.12	12:37	19.32	894.80	
MP-282C	PZ	911.37	11:20	16.67	894.70	
MP-283C	PZ	915.34	11:53	20.73	894.61	
MP-286C	MW	914.59	11:43	19.34	895.25	
MP-406C	MW	917.40	12:59	22.21	895.19	
P-500A	PZ	915.99	10:29	9.77	906.22	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1D.
MEASURED WATER LEVELS IN THE BEDROCK-TILL INTERFACE
OCTOBER 3, 2022
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Notes
12-3	PZ	910.04	12:51	13.22	896.82	
12-4	PZ	911.99	12:56	16.05	896.22	
12-5	PZ	910.04	13:01	13.14	897.12	
12-6	PZ	914.67	12:28	19.91	894.76	
13-5	PZ	914.92	12:46	19.36	895.56	
14-1	PZ	917.02	13:16	22.32	894.70	
14-3	PZ	908.12	9:49	12.28	895.84	
14-4	PZ	911.16	9:45	15.32	895.84	
14-5	PZ	910.09	10:04	12.93	897.16	
14-7	PZ	917.05	13:10	22.41	894.64	
MP-209	PZ	923.14	13:24	21.06	902.08	
MP-214R	PZ	910.86	10:51	14.83	896.03	
MP-217R	PZ	912.91	9:34	16.35	896.56	
MP-221R	PZ	910.54	11:37	12.04	898.50	
MP-222R	PZ	911.89	10:58	12.08	899.81	
MP-223R	PZ	910.05	10:06	13.27	896.78	
MP-226	PZ	913.85	10:41	16.46	897.39	
MP-227R	MW	913.00	10:32	16.47	896.53	
MP-228R	PZ	911.41	10:24	13.76	897.65	
MP-230R	PZ	908.28	10:17	13.38	894.90	
MP-231R	PZ	916.06	9:15	20.49	895.57	
MP-233R	MW	907.00	9:56	11.08	895.92	
MP-234R	MW	911.88	11:27	13.95	897.93	
MP-235R	MW	914.84	11:15	17.65	897.19	
MP-237	MW	913.68	11:12	16.14	897.54	
MP-238R	MW	915.31	12:12	17.25	898.06	
MP-240R	PZ	923.97	11:06	23.43	900.54	
MP-240R1	PZ	922.46	11:07	22.68	899.78	
MP-241R	MW	913.57	12:05	16.06	897.51	
MP-242	PZ	908.37	12:16	--	> 908.37	Flowing
MP-243	PZ	883.37	12:16	<0.00	883.34	
MP-244R	MW	909.73	9:09	11.94	897.79	
MP-248	PZ	909.81	10:28	12.49	897.32	
MP-249	PZ	904.29	9:17	9.04	895.25	
MP-250	MW	910.07	9:13	11.92	898.15	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1D.
MEASURED WATER LEVELS IN THE BEDROCK-TILL INTERFACE
OCTOBER 3, 2022
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Notes
MP-251	PZ	910.99	9:59	9.06	901.93	
MP-252	MW	894.59	11:37	<0.00	> 894.59	Flowing
MP-253	PZ	901.36	12:11	8.11	893.25	
MP-254	PZ	886.47	12:14	0.27	886.20	
MP-255	PZ	909.81	11:12	12.91	896.90	
MP-256	PZ	909.57	11:18	21.02	888.55	
MP-259	PZ	904.17	9:30	8.09	896.08	
MP-260	PZ	911.12	10:02	17.96	893.16	
MP-265	PZ	886.34	12:29	3.68	882.66	
MP-266	PZ	899.14	12:24	10.35	888.79	
MP-267	PZ	891.68	12:20	2.91	888.77	
MP-269	PZ	912.79	9:49	20.71	892.08	
MP-270	MW	911.94	9:36	16.60	895.34	
MP-271	PZ	914.70	10:10	14.62	900.08	
MP-272	PZ	912.79	11:00	8.07	904.72	
MP-273B	PZ	932.17	13:16	37.34	894.83	
MP-274	MW	912.20	12:23	17.26	894.94	
MP-279	MW	910.36	10:21	9.79	900.57	
MP-280	MW	912.49	10:35	14.13	898.36	
MP-281	MW	913.53	12:34	18.69	894.84	
MP-284	PZ	913.43	11:04	7.02	906.41	
MP-285	PZ	915.37	11:18	11.42	903.95	
MP-287	PZ	889.18	12:32	0.02	889.16	
MP-290	PZ	898.20	11:59	0.92	897.28	
MP-294	PZ	906.14	9:06	11.61	894.53	
MP-296	PZ	902.87	9:10	8.14	894.73	
MP-304	MW	908.36	11:29	10.93	897.43	
MP-305	MW	907.74	11:43	12.95	894.79	
MP-404	MW	912.75	12:50	15.76	896.99	
MP-407	MW	910.31	10:08	15.08	895.23	
MP-408	MW	916.41	13:01	21.52	894.89	
MP-409	MW	911.83	10:04	9.63	902.20	
P-500	PZ	914.68	11:52	10.95	903.73	
P-501	PZ	914.30	10:42	10.29	904.01	
P-503	PZ	916.15	10:36	12.40	903.75	
P-504	PZ	915.71	10:33	16.79	898.92	
P-505	PZ	916.40	10:28	17.12	899.28	
P-506	PZ	916.06	10:25	12.35	903.71	
P-508	PZ	913.19	10:07	22.24	890.95	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1D.
MEASURED WATER LEVELS IN THE BEDROCK-TILL INTERFACE
OCTOBER 3, 2022
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Notes
P-509	PZ	909.97	9:59	14.59	895.38	
P-510	PZ	914.17	10:18	18.61	895.56	
P-511	PZ	913.22	11:35	15.17	898.05	
P-513	PZ	912.76	9:42	15.07	897.69	
P-515	PZ	913.13	10:45	9.25	903.88	

Note: PZ = piezometer; MW = monitoring well.

TABLE 2.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
UPPER SAND ZONE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-206AR	MP-231AR	MP-235CR	MP-244ARR	MP-401A	MP-402A	MP-403A	MP-404A	MP-405A
		10/5/2022	10/3/2022	10/5/2022	10/4/2022	10/4/2022	10/5/2022	10/4/2022	10/4/2022	10/5/2022
Arsenic, Dissolved	mg/L	<0.001	**0.0013**	<0.001	**0.011**	<0.001	**0.0095**	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	**0.0082**	**0.0061**	**0.012**	**0.060**	**0.044**	**0.060**	**0.014**	**0.046**	**0.015**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
VOCs	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - no detections at or above PQL.
NC - not calculable

TABLE 3.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
880 SAND ZONE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-210AR 10/5/2022	MP-211BR 10/5/2022	MP-213A 10/3/2022	MP-214BR 10/4/2022	MP-228AR 10/5/2022	MP-230A 10/5/2022
Arsenic, Dissolved	mg/L	**0.0020**	<0.001	**0.0011**	**0.0019**	**0.0030**	**0.010**
Barium, Dissolved	mg/L	**0.056**	**0.040**	**0.050**	**0.0088**	**0.030**	**0.032**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
VOCs	ug/L	ND	ND	ND	ND	ND	ND

ND - no detections at or above PQL.
NC - not calculable

TABLE 3.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
880 SAND ZONE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-232A	MP-233AR	MP-234AR	MP-235BR	MP-250A	MP-251A
		10/5/2022	10/4/2022	10/5/2022	10/5/2022	10/5/2022	10/5/2022
Arsenic, Dissolved	mg/L	**0.0078**	**0.0071**	**0.0053**	**0.0017**	**0.011**	**0.0040**
Barium, Dissolved	mg/L	**0.027**	**0.021**	**0.0099**	**0.012**	**0.031**	**0.11**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
VOCs	ug/L	ND	ND	ND	ND*	ND*	ND

ND - no detections at or above PQL.
NC - not calculable

TABLE 3.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
880 SAND ZONE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-274A 10/5/2022	MP-277A 10/4/2022	MP-280A 10/4/2022	MP-401B 10/4/2022	Dup-DMP#2 10/4/2022	RPD
Arsenic, Dissolved	mg/L	**0.076**	**0.0088**	**0.022**	**0.0060**	**0.0061**	1.6%
Barium, Dissolved	mg/L	**0.027**	**0.023**	**0.023**	**0.037**	**0.037**	0.0%
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	NC
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	NC
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	NC
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NC
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	<0.015	<0.015	NC
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	<0.003	<0.003	NC
VOCs	ug/L	ND	ND	ND	ND	ND	NC

ND - no detections at or above PQL.
NC - not calculable

TABLE 4.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
CHANNEL SAND ZONE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-281C 10/5/2022	MP-281C 11/10/2022	MP-286C 10/4/2022	MP-406C 10/3/2022
Arsenic, Dissolved	mg/L	**0.0062**	**0.0051**	**0.0032**	**0.0034**
Barium, Dissolved	mg/L	**0.051**	--	**0.13**	**0.14**
Cadmium, Dissolved	mg/L	<0.001	--	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005	--	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005	--	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002	--	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015	--	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003	--	<0.003	<0.003
VOCs	ug/L	ND	--	ND	ND

ND - no detections at or above PQL.
NC - not calculable

TABLE 5.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
BEDROCK-TILL INTERFACE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-228R 10/5/2022	MP-233R 10/5/2022	MP-234R 10/5/2022	MP-235R 10/5/2022	MP-237 10/5/2022	MP-238R 10/5/2022	MP-241R 10/5/2022	MP-241R 11/10/2022
Arsenic, Dissolved	mg/L	**0.0043**	**0.0019**	<0.001	<0.001	<0.001	<0.001	**0.0013**	--
Barium, Dissolved	mg/L	**0.064**	**0.43**	**0.050**	**0.041**	**0.033**	**0.044**	**0.034**	--
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0081**	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	--
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--
VOCs	ug/L	ND	ND	ND	ND	ND	ND	ND	--

ND - no detections at or above PQL.
NC - not calculable

TABLE 5.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
BEDROCK-TILL INTERFACE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-244R 10/4/2022	MP-250 10/5/2022	Dup-DMP#3 10/5/2022	RPD	MP-274 10/5/2022	MP-279 10/5/2022	MP-280 10/4/2022	MP-281 10/5/2022
Arsenic, Dissolved	mg/L	<0.001	**0.0023**	**0.0024**	4.3%	<0.001	<0.001	**0.025**	<0.001
Barium, Dissolved	mg/L	**0.018**	**0.042**	**0.042**	0.0%	**0.43**	**1.3**	**0.30**	**0.26**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	NC	<0.001	<0.001	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	NC	<0.005	<0.005	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	NC	<0.005	<0.005	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	NC	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	NC	<0.015	<0.015	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	NC	<0.003	<0.003	<0.003	<0.003
VOCs	ug/L	ND	ND	ND	NC	ND	ND	ND	ND

ND - no detections at or above PQL.
NC - not calculable

TABLE 5.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
BEDROCK-TILL INTERFACE
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-404	MP-407	MP-408	MP-409	Dup-DMP#1	
		10/4/2022	10/5//2022	10/4/2022	10/3/2022	10/3/2022	RPD
Arsenic, Dissolved	mg/L	**0.0014**	<0.001	**0.076**	**0.0016**	**0.0016**	0.0%
Barium, Dissolved	mg/L	**0.40**	**0.71**	**0.76**	**0.12**	**0.13**	8.0%
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	NC
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	NC
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	NC
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NC
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	<0.015	<0.015	NC
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	<0.003	<0.003	NC
VOCs	ug/L	ND	ND	ND	ND	ND	NC

ND - no detections at or above PQL.
NC - not calculable

TABLE 6.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
QA/QC SAMPLES
OCTOBER 2022
CECOS - ABER ROAD FACILITY

Constituent	Field Blank DMP 10/4/2022	Method Blank	Trip Blank
Arsenic, Dissolved	<0.001	<0.001 (3)	--
Barium, Dissolved	<0.001	<0.002 (3)	--
Cadmium, Dissolved	<0.001	<0.001 (3)	--
Chromium, Dissolved	<0.005	<0.005 (3)	--
Lead, Dissolved	<0.005	<0.005 (3)	--
Mercury, Dissolved	<0.0002	<0.0002 (3)	--
Selenium, Dissolved	<0.015	<0.015 (3)	--
Silver, Dissolved	<0.003	<0.003 (5)	--
VOCs	ND	ND (8)	ND

ND - no detections at or above PQL.

-- Not Analyzed

( ) Number of Method Blank batches run by laboratory for parameter.

See Laboratory Report QA/QC section for separate analyses.

APPENDIX A.

LABORATORY DATA REPORT, FIELD INFORMATION FORMS, CHAIN-OF-CUSTODY RECORDS, AND FIELD METER CALIBRATION RECORDS FOR THE OCTOBER 2022 SECOND SEMIANNUAL SAMPLING EVENT

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-202459-1
Client Project/Site: Aber Rd. Landfill - DMP Semiannual

For:
Republic Services Inc
5092 Aber Road
Williamsburg, Ohio 45176

Attn: Butch Bradburn

Authorized for release by:
10/25/2022 4:55:24 PM

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Brian Fischer
Manager of Project Management
10/25/2022 4:55:24 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 5
Client Sample Results 8
Surrogate Summary 157
QC Sample Results 161
QC Association 192
Chronicle 211
Certification Summary 233
Method Summary 234
Sample Summary 235
Chain of Custody 236
Receipt Checklists 247
Detection Limit Exceptions Summary 249
Field Data Sheets 250

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-202459-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-202459-1

Comments
No additional comments.

Receipt
The samples were received on 10/6/2022 10:30 AM and 10/7/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 11 coolers at receipt time were 2.4º C, 2.4º C, 2.7º C, 2.8º C, 3.0º C, 3.1º C, 3.1º C, 3.3º C, 3.6º C, 4.2º C and 4.3º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-644586 recovered outside control limits for the following analytes: 1,4-Dioxane and Isobutyl alcohol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MP-231AR (480-202459-13), MP-409 (480-202459-14), DUPLICATE DMP #1 (480-202459-15), MP-406C (480-202459-16), MP-213A (480-202459-17) and (BFB 480-644586/2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-644586 recovered above the upper control limit for Pentachloroethane and 1,4-Dioxane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-231AR (480-202459-13), MP-409 (480-202459-14), DUPLICATE DMP #1 (480-202459-15), MP-406C (480-202459-16), MP-213A (480-202459-17) and (BFB 480-644586/2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-644494 recovered above the upper control limit for Pentachloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MP-408 (480-202459-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-644710 recovered above the upper control limit for 1,4-Dioxane, Acetonitrile, Isobutyl alcohol and Pentachloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-280 (480-202459-2) and TB (480-202459-3).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-644710 recovered outside control limits for the following analytes: 1,4-Dioxane and Isobutyl alcohol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-645045 recovered above the upper control limit for 1,4-Dioxane, 2-Butanone (MEK), Acrylonitrile and Propionitrile. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-403A (480-202459-4), MP-214BR (480-202459-5), MP-401A (480-202459-6), MP-401B (480-202459-7), DUPLICATE DMP #2 (480-202459-8), MP-286C (480-202459-9), MP-280A (480-202459-10) and MP-277A (480-202459-11).

Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 480-645212 recovered outside control limits for the following analytes: Carbon disulfide, Carbon tetrachloride, Dichlorodifluoromethane, 1,1-Dichloroethane, Trichlorofluoromethane and 1,4-Dioxane.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-645533 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MP235BR (480-202504-4).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-645606 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-645606 recovered above the upper control limit for 1,4-Dioxane, 2-Butanone (MEK), Acetone, Tetrahydrofuran, Isobutyl alcohol and Pentachloroethane. The samples associated with this

Job ID: 480-202459-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-237 (480-202504-1), MP-238R (480-202504-2), MP-235CR (480-202504-3), MP-241R (480-202504-5), MP-228R (480-202504-6), MP-228AR (480-202504-7), MP-233R (480-202504-8), MP-232A (480-202504-9), MP-235R (480-202504-10), MP-251A (480-202504-11), MP-210AR (480-202504-12), MP-405A (480-202504-13), MP-279 (480-202504-14), MP-211BR (480-202504-15), MP-402A (480-202504-16) and MP-206AR (480-202504-17).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-645606 recovered outside control limits for the following analytes: 1,4-Dioxane and Isobutyl alcohol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MP-237 (480-202504-1), MP-238R (480-202504-2), MP-235CR (480-202504-3), MP-241R (480-202504-5), MP-228R (480-202504-6), MP-228AR (480-202504-7), MP-233R (480-202504-8), MP-232A (480-202504-9), MP-235R (480-202504-10), MP-251A (480-202504-11), MP-210AR (480-202504-12), MP-405A (480-202504-13), MP-279 (480-202504-14), MP-211BR (480-202504-15), MP-402A (480-202504-16) and MP-206AR (480-202504-17).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-645617 recovered above the upper control limit for 1,4-Dioxane, 2-Butanone (MEK), Acetonitrile, Isobutyl alcohol and Propionitrile. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-230A (480-202504-18), MP-234R (480-202504-19), MP-234AR (480-202504-20), MP-281 (480-202504-21), MP-281C (480-202504-22), MP-274 (480-202504-23), MP-250 (480-202504-24), MP-250A (480-202504-25), DMP DUP#3 (480-202504-26), MP-274A (480-202504-27) and MP-407 (480-202504-28).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-645617 recovered outside control limits for the following analytes: 1,4-Dioxane and Isobutyl alcohol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MP-230A (480-202504-18), MP-234R (480-202504-19), MP-234AR (480-202504-20), MP-281 (480-202504-21), MP-281C (480-202504-22), MP-274 (480-202504-23), MP-250 (480-202504-24), MP-250A (480-202504-25), DMP DUP#3 (480-202504-26), MP-274A (480-202504-27) and MP-407 (480-202504-28).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 480-644618 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-408 (480-202459-1), MP-280 (480-202459-2), TB (480-202459-3), MP-403A (480-202459-4), MP-214BR (480-202459-5), MP-401A (480-202459-6), MP-401B (480-202459-7), DUPLICATE DMP #2 (480-202459-8), MP-286C (480-202459-9), MP-280A (480-202459-10), MP-277A (480-202459-11), FIELD BLANK DMP#1 (480-202459-12) and MP-231AR (480-202459-13).

Method 8011: The continuing calibration verification (CCV) associated with batch 480-644928 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-409 (480-202459-14), DUPLICATE DMP #1 (480-202459-15), MP-406C (480-202459-16), MP-213A (480-202459-17), MP-244AR (480-202459-18), MP-244R (480-202459-19), MP-233AR (480-202459-20), MP-404A (480-202459-21) and MP-404 (480-202459-22).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The continuing calibration verification (CCV 480-645465/41) recovered above the upper control limit for Dissolved Chromium. The samples MP-228AR (480-202504-7), MP-233R (480-202504-8), MP-232A (480-202504-9), MP-251A (480-202504-11), MP-210AR (480-202504-12), MP-405A (480-202504-13), MP-279 (480-202504-14), MP-211BR (480-202504-15), MP-402A (480-202504-16), MP-230A (480-202504-18), MP-234R (480-202504-19) and MP-234AR (480-202504-20) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 6010C: The continuing calibration verification (CCV 480-645465/53) recovered above the upper control limit for Dissolved Chromium. The samples MP-402A (480-202504-16), MP-230A (480-202504-18), MP-234R (480-202504-19) and MP-234AR (480-202504-20) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 480-202459-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-645360.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-408

Date Collected: 10/04/22 12:06
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/08/22 01:34	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/08/22 01:34	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/08/22 01:34	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/08/22 01:34	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/08/22 01:34	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/08/22 01:34	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/08/22 01:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/08/22 01:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/08/22 01:34	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/08/22 01:34	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/08/22 01:34	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/08/22 01:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/08/22 01:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/08/22 01:34	1
1,4-Dioxane	ND		40	9.3	ug/L			10/08/22 01:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/08/22 01:34	1
Chloroprene	ND		1.0	0.49	ug/L			10/08/22 01:34	1
2-Hexanone	ND		10	1.2	ug/L			10/08/22 01:34	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/08/22 01:34	1
Acetone	ND		10	3.0	ug/L			10/08/22 01:34	1
Acetonitrile	ND		170	4.9	ug/L			10/08/22 01:34	1
Acrolein	ND		20	0.91	ug/L			10/08/22 01:34	1
Acrylonitrile	ND		20	0.83	ug/L			10/08/22 01:34	1
Benzene	ND		2.0	0.41	ug/L			10/08/22 01:34	1
Bromoform	ND		2.0	0.26	ug/L			10/08/22 01:34	1
Bromomethane	ND		2.0	0.69	ug/L			10/08/22 01:34	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/08/22 01:34	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/08/22 01:34	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/08/22 01:34	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/08/22 01:34	1
Chloroethane	ND		2.0	0.32	ug/L			10/08/22 01:34	1
Chloroform	ND		2.0	0.34	ug/L			10/08/22 01:34	1
Chloromethane	ND		2.0	0.35	ug/L			10/08/22 01:34	1
Dibromomethane	ND		2.0	0.41	ug/L			10/08/22 01:34	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/08/22 01:34	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/08/22 01:34	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/08/22 01:34	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/08/22 01:34	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/08/22 01:34	1
Iodomethane	ND		2.0	0.30	ug/L			10/08/22 01:34	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/08/22 01:34	1
Methacrylonitrile	ND		10	0.69	ug/L			10/08/22 01:34	1
Methyl methacrylate	ND		10	0.61	ug/L			10/08/22 01:34	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/08/22 01:34	1
Naphthalene	ND		1.0	0.43	ug/L			10/08/22 01:34	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/08/22 01:34	1
Propionitrile	ND		50	5.8	ug/L			10/08/22 01:34	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/08/22 01:34	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/08/22 01:34	1

Client Sample ID: MP-408

Date Collected: 10/04/22 12:06
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0	0.51	ug/L			10/08/22 01:34	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/08/22 01:34	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/08/22 01:34	1
Trichloroethene	ND		2.0	0.46	ug/L			10/08/22 01:34	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/08/22 01:34	1
Vinyl acetate	ND		10	0.85	ug/L			10/08/22 01:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/08/22 01:34	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/08/22 01:34	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/08/22 01:34	1
Styrene	ND		2.0	0.73	ug/L			10/08/22 01:34	1
Allyl chloride	ND		2.0	0.44	ug/L			10/08/22 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/08/22 01:34*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/08/22 01:34*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/08/22 01:34*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 08:25	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 08:25	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:45	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:45	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:45	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:45	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:45	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 16:45	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*34*		*19 - 120*	*10/13/22 15:56*	*10/14/22 16:45*	*1*
Tetrachloro-m-xylene	*66*		*39 - 121*	*10/13/22 15:56*	*10/14/22 16:45*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 00:07	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.076**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 12:54	1
Barium, Dissolved	**0.76**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 12:54	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 12:54	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 12:54	1
Silver, Dissolved	**0.000074**	**J**	0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 12:54	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 12:54	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-408

Date Collected: 10/04/22 12:06
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-1

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	27.8		1.0	0.43	mg/L			10/19/22 06:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.17				SU			10/04/22 12:06	1
Field Conductivity	4280				umhos/cm			10/04/22 12:06	1
Field Temperature	16.1				Degrees C			10/04/22 12:06	1
Field Turbidity	23.9				NTU			10/04/22 12:06	1
Ground Water Elevation	894.89				ft/msl			10/04/22 12:06	1
Oxidation Reduction Potential	-143.4				millivolts			10/04/22 12:06	1
Oxygen, Dissolved	0.05				mg/L			10/04/22 12:06	1
Depth to Water from Top of Casing	21.52				ft			10/04/22 12:06	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-280
Date Collected: 10/04/22 13:52
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-2
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/10/22 18:05	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/10/22 18:05	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/10/22 18:05	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/10/22 18:05	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/10/22 18:05	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/10/22 18:05	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/10/22 18:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 18:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 18:05	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/10/22 18:05	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/10/22 18:05	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/10/22 18:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 18:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 18:05	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/10/22 18:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 18:05	1
Chloroprene	ND		1.0	0.49	ug/L			10/10/22 18:05	1
2-Hexanone	ND		10	1.2	ug/L			10/10/22 18:05	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/10/22 18:05	1
Acetone	**3.2**	**J**	10	3.0	ug/L			10/10/22 18:05	1
Acetonitrile	ND		170	4.9	ug/L			10/10/22 18:05	1
Acrolein	ND		20	0.91	ug/L			10/10/22 18:05	1
Acrylonitrile	ND		20	0.83	ug/L			10/10/22 18:05	1
Benzene	ND		2.0	0.41	ug/L			10/10/22 18:05	1
Bromoform	ND		2.0	0.26	ug/L			10/10/22 18:05	1
Bromomethane	ND		2.0	0.69	ug/L			10/10/22 18:05	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/10/22 18:05	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/10/22 18:05	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/10/22 18:05	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/10/22 18:05	1
Chloroethane	ND		2.0	0.32	ug/L			10/10/22 18:05	1
Chloroform	ND		2.0	0.34	ug/L			10/10/22 18:05	1
Chloromethane	ND		2.0	0.35	ug/L			10/10/22 18:05	1
Dibromomethane	ND		2.0	0.41	ug/L			10/10/22 18:05	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/10/22 18:05	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/10/22 18:05	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/10/22 18:05	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/10/22 18:05	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/10/22 18:05	1
Iodomethane	ND		2.0	0.30	ug/L			10/10/22 18:05	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/10/22 18:05	1
Methacrylonitrile	ND		10	0.69	ug/L			10/10/22 18:05	1
Methyl methacrylate	ND		10	0.61	ug/L			10/10/22 18:05	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/10/22 18:05	1
Naphthalene	ND		1.0	0.43	ug/L			10/10/22 18:05	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/10/22 18:05	1
Propionitrile	ND		50	5.8	ug/L			10/10/22 18:05	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/10/22 18:05	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/22 18:05	1

Client Sample ID: MP-280

Date Collected: 10/04/22 13:52
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0	0.51	ug/L			10/10/22 18:05	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/10/22 18:05	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/10/22 18:05	1
Trichloroethene	ND		2.0	0.46	ug/L			10/10/22 18:05	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/10/22 18:05	1
Vinyl acetate	ND		10	0.85	ug/L			10/10/22 18:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 18:05	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/10/22 18:05	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/10/22 18:05	1
Styrene	ND		2.0	0.73	ug/L			10/10/22 18:05	1
Allyl chloride	ND		2.0	0.44	ug/L			10/10/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 18:05*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 18:05*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 18:05*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 08:45	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 08:45	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:58	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:58	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:58	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:58	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:58	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 16:58	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*36*		*19 - 120*	*10/13/22 15:56*	*10/14/22 16:58*	*1*
Tetrachloro-m-xylene	*61*		*39 - 121*	*10/13/22 15:56*	*10/14/22 16:58*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 00:11	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.025**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 12:57	1
Barium, Dissolved	**0.30**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 12:57	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 12:57	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 12:57	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 12:57	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 12:57	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-280

Date Collected: 10/04/22 13:52
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-2

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	14.4		1.0	0.43	mg/L			10/19/22 06:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.51				SU			10/04/22 13:52	1
Field Conductivity	1395				umhos/cm			10/04/22 13:52	1
Field Temperature	18.7				Degrees C			10/04/22 13:52	1
Field Turbidity	27.7				NTU			10/04/22 13:52	1
Ground Water Elevation	898.36				ft/msl			10/04/22 13:52	1
Oxidation Reduction Potential	-180.6				millivolts			10/04/22 13:52	1
Oxygen, Dissolved	0.12				mg/L			10/04/22 13:52	1
Depth to Water from Top of Casing	14.13				ft			10/04/22 13:52	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: TB

Lab Sample ID: 480-202459-3

Date Collected: 10/04/22 00:00
Date Received: 10/06/22 10:30

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/10/22 18:27	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/10/22 18:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/10/22 18:27	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/10/22 18:27	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/10/22 18:27	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/10/22 18:27	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/10/22 18:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 18:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 18:27	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/10/22 18:27	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/10/22 18:27	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/10/22 18:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 18:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 18:27	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/10/22 18:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 18:27	1
Chloroprene	ND		1.0	0.49	ug/L			10/10/22 18:27	1
2-Hexanone	ND		10	1.2	ug/L			10/10/22 18:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/10/22 18:27	1
Acetone	ND		10	3.0	ug/L			10/10/22 18:27	1
Acetonitrile	ND		170	4.9	ug/L			10/10/22 18:27	1
Acrolein	ND		20	0.91	ug/L			10/10/22 18:27	1
Acrylonitrile	ND		20	0.83	ug/L			10/10/22 18:27	1
Benzene	ND		2.0	0.41	ug/L			10/10/22 18:27	1
Bromoform	ND		2.0	0.26	ug/L			10/10/22 18:27	1
Bromomethane	ND		2.0	0.69	ug/L			10/10/22 18:27	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/10/22 18:27	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/10/22 18:27	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/10/22 18:27	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/10/22 18:27	1
Chloroethane	ND		2.0	0.32	ug/L			10/10/22 18:27	1
Chloroform	ND		2.0	0.34	ug/L			10/10/22 18:27	1
Chloromethane	ND		2.0	0.35	ug/L			10/10/22 18:27	1
Dibromomethane	ND		2.0	0.41	ug/L			10/10/22 18:27	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/10/22 18:27	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/10/22 18:27	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/10/22 18:27	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/10/22 18:27	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/10/22 18:27	1
Iodomethane	ND		2.0	0.30	ug/L			10/10/22 18:27	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/10/22 18:27	1
Methacrylonitrile	ND		10	0.69	ug/L			10/10/22 18:27	1
Methyl methacrylate	ND		10	0.61	ug/L			10/10/22 18:27	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/10/22 18:27	1
Naphthalene	ND		1.0	0.43	ug/L			10/10/22 18:27	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/10/22 18:27	1
Propionitrile	ND		50	5.8	ug/L			10/10/22 18:27	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/10/22 18:27	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/22 18:27	1

Client Sample ID: TB

Lab Sample ID: 480-202459-3

Date Collected: 10/04/22 00:00

Matrix: Water

Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0	0.51	ug/L			10/10/22 18:27	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/10/22 18:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/10/22 18:27	1
Trichloroethene	ND		2.0	0.46	ug/L			10/10/22 18:27	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/10/22 18:27	1
Vinyl acetate	ND		10	0.85	ug/L			10/10/22 18:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 18:27	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/10/22 18:27	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/10/22 18:27	1
Styrene	ND		2.0	0.73	ug/L			10/10/22 18:27	1
Allyl chloride	ND		2.0	0.44	ug/L			10/10/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 18:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/10/22 18:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 18:27*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 09:05	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 09:05	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-403A

Lab Sample ID: 480-202459-4

Date Collected: 10/04/22 14:16
Matrix: Water
Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 18:08	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 18:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 18:08	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 18:08	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 18:08	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 18:08	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 18:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 18:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 18:08	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 18:08	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 18:08	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 18:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 18:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 18:08	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 18:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 18:08	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 18:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 18:08	1
Acetone	ND		10	3.0	ug/L			10/12/22 18:08	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 18:08	1
Acrolein	ND		20	0.91	ug/L			10/12/22 18:08	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 18:08	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 18:08	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 18:08	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 18:08	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 18:08	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 18:08	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 18:08	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 18:08	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 18:08	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 18:08	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 18:08	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 18:08	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 18:08	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 18:08	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 18:08	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 18:08	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 18:08	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 18:08	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 18:08	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 18:08	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 18:08	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 18:08	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 18:08	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 18:08	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 18:08	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 18:08	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 18:08	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 18:08	1

Client Sample ID: MP-403A

Date Collected: 10/04/22 14:16
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-4

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 18:08	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 18:08	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 18:08	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 18:08	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 18:08	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 18:08	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 18:08	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 18:08	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 18:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 18:08	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/12/22 18:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/12/22 18:08*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/12/22 18:08*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 09:24	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 09:24	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:12	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:12	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:12	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:12	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:12	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:12	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*37*		*19 - 120*	*10/13/22 15:56*	*10/14/22 17:12*	*1*
Tetrachloro-m-xylene	*56*		*39 - 121*	*10/13/22 15:56*	*10/14/22 17:12*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 00:38	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:01	1
Barium, Dissolved	**0.014**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:01	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:01	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:01	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:01	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:01	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-403A

Date Collected: 10/04/22 14:16
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-4

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.5		1.0	0.43	mg/L			10/19/22 07:20	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.15				SU			10/04/22 14:16	1
Field Conductivity	1815				umhos/cm			10/04/22 14:16	1
Field Temperature	17.2				Degrees C			10/04/22 14:16	1
Field Turbidity	12.5				NTU			10/04/22 14:16	1
Ground Water Elevation	903.03				ft/msl			10/04/22 14:16	1
Oxidation Reduction Potential	258.7				millivolts			10/04/22 14:16	1
Oxygen, Dissolved	3.60				mg/L			10/04/22 14:16	1
Depth to Water from Top of Casing	9.34				ft			10/04/22 14:16	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-214BR
Date Collected: 10/04/22 14:55
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 18:31	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 18:31	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 18:31	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 18:31	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 18:31	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 18:31	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 18:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 18:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 18:31	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 18:31	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 18:31	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 18:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 18:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 18:31	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 18:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 18:31	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 18:31	1
Acetone	ND		10	3.0	ug/L			10/12/22 18:31	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 18:31	1
Acrolein	ND		20	0.91	ug/L			10/12/22 18:31	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 18:31	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 18:31	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 18:31	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 18:31	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 18:31	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 18:31	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 18:31	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 18:31	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 18:31	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 18:31	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 18:31	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 18:31	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 18:31	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 18:31	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 18:31	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 18:31	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 18:31	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 18:31	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 18:31	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 18:31	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 18:31	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 18:31	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 18:31	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 18:31	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 18:31	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 18:31	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 18:31	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 18:31	1

Client Sample ID: MP-214BR

Date Collected: 10/04/22 14:55
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-5

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 18:31	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 18:31	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 18:31	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 18:31	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 18:31	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 18:31	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 18:31	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 18:31	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 18:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 18:31	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/12/22 18:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/12/22 18:31*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/12/22 18:31*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 09:44	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 09:44	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:25	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:25	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:25	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:25	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:25	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:25	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*		*19 - 120*	*10/13/22 15:56*	*10/14/22 17:25*	*1*
Tetrachloro-m-xylene	*59*		*39 - 121*	*10/13/22 15:56*	*10/14/22 17:25*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 00:42	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0019**		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:03	1
Barium, Dissolved	**0.0088**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:03	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:03	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:03	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:03	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:03	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-214BR

Date Collected: 10/04/22 14:55
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-5

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.8		1.0	0.43	mg/L			10/18/22 00:41	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.25				SU			10/04/22 14:55	1
Field Conductivity	1805				umhos/cm			10/04/22 14:55	1
Field Temperature	15.3				Degrees C			10/04/22 14:55	1
Field Turbidity	24.9				NTU			10/04/22 14:55	1
Ground Water Elevation	894.47				ft/msl			10/04/22 14:55	1
Oxidation Reduction Potential	138.7				millivolts			10/04/22 14:55	1
Oxygen, Dissolved	0.39				mg/L			10/04/22 14:55	1
Depth to Water from Top of Casing	15.82				ft			10/04/22 14:55	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-401A
Date Collected: 10/04/22 16:23
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-6
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 18:54	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 18:54	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 18:54	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 18:54	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 18:54	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 18:54	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 18:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 18:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 18:54	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 18:54	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 18:54	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 18:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 18:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 18:54	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 18:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 18:54	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 18:54	1
Acetone	ND		10	3.0	ug/L			10/12/22 18:54	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 18:54	1
Acrolein	ND		20	0.91	ug/L			10/12/22 18:54	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 18:54	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 18:54	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 18:54	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 18:54	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 18:54	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 18:54	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 18:54	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 18:54	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 18:54	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 18:54	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 18:54	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 18:54	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 18:54	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 18:54	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 18:54	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 18:54	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 18:54	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 18:54	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 18:54	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 18:54	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 18:54	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 18:54	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 18:54	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 18:54	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 18:54	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 18:54	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 18:54	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 18:54	1

Client Sample ID: MP-401A

Date Collected: 10/04/22 16:23
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-6

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 18:54	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 18:54	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 18:54	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 18:54	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 18:54	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 18:54	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 18:54	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 18:54	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 18:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 18:54	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/12/22 18:54*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/12/22 18:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/12/22 18:54*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/09/22 19:25	10/10/22 10:04	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 10:04	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:38	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:38	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:38	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:38	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:38	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:38	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*19 - 120*	*10/13/22 15:56*	*10/14/22 17:38*	*1*
Tetrachloro-m-xylene	*62*		*39 - 121*	*10/13/22 15:56*	*10/14/22 17:38*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 00:46	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00027**	**J**	0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:06	1
Barium, Dissolved	**0.044**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:06	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:06	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:06	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:06	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:06	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-401A

Date Collected: 10/04/22 16:23
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-6

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.0		1.0	0.43	mg/L			10/18/22 01:39	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.91				SU			10/04/22 16:23	1
Field Conductivity	1356				umhos/cm			10/04/22 16:23	1
Field Temperature	18.2				Degrees C			10/04/22 16:23	1
Field Turbidity	5.53				NTU			10/04/22 16:23	1
Ground Water Elevation	895.07				ft/msl			10/04/22 16:23	1
Oxidation Reduction Potential	205.7				millivolts			10/04/22 16:23	1
Oxygen, Dissolved	0.10				mg/L			10/04/22 16:23	1
Depth to Water from Top of Casing	11.30				ft			10/04/22 16:23	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-401B

Date Collected: 10/04/22 17:25
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 19:18	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 19:18	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 19:18	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 19:18	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 19:18	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 19:18	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 19:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 19:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 19:18	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 19:18	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 19:18	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 19:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 19:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 19:18	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 19:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 19:18	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 19:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 19:18	1
Acetone	ND		10	3.0	ug/L			10/12/22 19:18	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 19:18	1
Acrolein	ND		20	0.91	ug/L			10/12/22 19:18	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 19:18	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 19:18	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 19:18	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 19:18	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 19:18	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 19:18	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 19:18	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 19:18	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 19:18	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 19:18	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 19:18	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 19:18	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 19:18	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 19:18	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 19:18	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 19:18	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 19:18	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 19:18	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 19:18	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 19:18	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 19:18	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 19:18	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 19:18	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 19:18	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 19:18	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 19:18	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 19:18	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 19:18	1

Client Sample ID: MP-401B

Date Collected: 10/04/22 17:25
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 19:18	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 19:18	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 19:18	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 19:18	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 19:18	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 19:18	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 19:18	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 19:18	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 19:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 19:18	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/12/22 19:18*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/12/22 19:18*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/12/22 19:18*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 10:24	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/09/22 19:25	10/10/22 10:24	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:51	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:51	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:51	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:51	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 17:51	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:51	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*19 - 120*	*10/13/22 15:56*	*10/14/22 17:51*	*1*
Tetrachloro-m-xylene	*65*		*39 - 121*	*10/13/22 15:56*	*10/14/22 17:51*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 00:50	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0060**		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:24	1
Barium, Dissolved	**0.037**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:24	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:24	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:24	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:24	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:24	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-401B

Date Collected: 10/04/22 17:25
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-7

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.0		1.0	0.43	mg/L			10/18/22 02:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.18				SU			10/04/22 17:25	1
Field Conductivity	1274				umhos/cm			10/04/22 17:25	1
Field Temperature	16.9				Degrees C			10/04/22 17:25	1
Field Turbidity	8.51				NTU			10/04/22 17:25	1
Ground Water Elevation	898.90				ft/msl			10/04/22 17:25	1
Oxidation Reduction Potential	100.6				millivolts			10/04/22 17:25	1
Oxygen, Dissolved	0.08				mg/L			10/04/22 17:25	1
Depth to Water from Top of Casing	7.66				ft			10/04/22 17:25	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-202459-8

Date Collected: 10/04/22 17:25
Matrix: Water
Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 19:41	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 19:41	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 19:41	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 19:41	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 19:41	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 19:41	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 19:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 19:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 19:41	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 19:41	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 19:41	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 19:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 19:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 19:41	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 19:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 19:41	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 19:41	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 19:41	1
Acetone	ND		10	3.0	ug/L			10/12/22 19:41	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 19:41	1
Acrolein	ND		20	0.91	ug/L			10/12/22 19:41	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 19:41	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 19:41	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 19:41	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 19:41	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 19:41	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 19:41	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 19:41	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 19:41	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 19:41	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 19:41	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 19:41	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 19:41	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 19:41	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 19:41	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 19:41	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 19:41	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 19:41	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 19:41	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 19:41	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 19:41	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 19:41	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 19:41	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 19:41	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 19:41	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 19:41	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 19:41	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 19:41	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 19:41	1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-202459-8

Date Collected: 10/04/22 17:25

Matrix: Water

Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 19:41	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 19:41	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 19:41	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 19:41	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 19:41	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 19:41	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 19:41	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 19:41	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 19:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 19:41	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/12/22 19:41*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/12/22 19:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/12/22 19:41*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/09/22 19:25	10/10/22 11:04	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 11:04	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:05	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:05	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:05	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:05	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:05	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:05	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*19 - 120*	*10/13/22 15:56*	*10/14/22 18:05*	*1*
Tetrachloro-m-xylene	*76*		*39 - 121*	*10/13/22 15:56*	*10/14/22 18:05*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 00:54	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0061**		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:27	1
Barium, Dissolved	**0.037**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:27	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:27	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:27	1
Silver, Dissolved	**0.000036**	**J**	0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:27	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:27	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-202459-8

Date Collected: 10/04/22 17:25
Matrix: Water
Date Received: 10/06/22 10:30

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.85	J	1.0	0.43	mg/L			10/18/22 02:37	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.18				SU			10/04/22 17:25	1
Field Conductivity	1277				umhos/cm			10/04/22 17:25	1
Field Temperature	16.9				Degrees C			10/04/22 17:25	1
Field Turbidity	7.73				NTU			10/04/22 17:25	1
Oxidation Reduction Potential	99.2				millivolts			10/04/22 17:25	1
Oxygen, Dissolved	0.08				mg/L			10/04/22 17:25	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-286C
Date Collected: 10/04/22 10:50
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-9
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 20:04	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 20:04	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 20:04	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 20:04	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 20:04	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 20:04	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 20:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 20:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 20:04	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 20:04	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 20:04	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 20:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 20:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 20:04	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 20:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 20:04	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 20:04	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 20:04	1
Acetone	ND		10	3.0	ug/L			10/12/22 20:04	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 20:04	1
Acrolein	ND		20	0.91	ug/L			10/12/22 20:04	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 20:04	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 20:04	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 20:04	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 20:04	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 20:04	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 20:04	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 20:04	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 20:04	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 20:04	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 20:04	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 20:04	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 20:04	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 20:04	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 20:04	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 20:04	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 20:04	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 20:04	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 20:04	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 20:04	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 20:04	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 20:04	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 20:04	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 20:04	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 20:04	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 20:04	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 20:04	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 20:04	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 20:04	1

Client Sample ID: MP-286C

Date Collected: 10/04/22 10:50
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-9

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 20:04	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 20:04	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 20:04	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 20:04	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 20:04	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 20:04	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 20:04	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 20:04	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 20:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 20:04	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/12/22 20:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/12/22 20:04*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/12/22 20:04*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 11:23	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 11:23	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:18	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:18	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:18	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:18	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:18	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:18	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*19 - 120*	*10/13/22 15:56*	*10/14/22 18:18*	*1*
Tetrachloro-m-xylene	*73*		*39 - 121*	*10/13/22 15:56*	*10/14/22 18:18*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 00:15	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0032**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 12:59	1
Barium, Dissolved	**0.13**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 12:59	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 12:59	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 12:59	1
Silver, Dissolved	**0.000071**	**J**	0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 12:59	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 12:59	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-286C

Date Collected: 10/04/22 10:50
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-9

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.4		1.0	0.43	mg/L			10/18/22 03:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.44				SU			10/04/22 10:50	1
Field Conductivity	1057				umhos/cm			10/04/22 10:50	1
Field Temperature	12.8				Degrees C			10/04/22 10:50	1
Field Turbidity	2.15				NTU			10/04/22 10:50	1
Ground Water Elevation	895.25				ft/msl			10/04/22 10:50	1
Oxidation Reduction Potential	-95.2				millivolts			10/04/22 10:50	1
Oxygen, Dissolved	0.07				mg/L			10/04/22 10:50	1
Depth to Water from Top of Casing	19.34				ft			10/04/22 10:50	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-280A
Date Collected: 10/04/22 14:46
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-10
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 20:27	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 20:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 20:27	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 20:27	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 20:27	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 20:27	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 20:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 20:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 20:27	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 20:27	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 20:27	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 20:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 20:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 20:27	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 20:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 20:27	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 20:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 20:27	1
Acetone	ND		10	3.0	ug/L			10/12/22 20:27	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 20:27	1
Acrolein	ND		20	0.91	ug/L			10/12/22 20:27	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 20:27	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 20:27	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 20:27	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 20:27	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 20:27	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 20:27	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 20:27	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 20:27	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 20:27	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 20:27	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 20:27	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 20:27	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 20:27	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 20:27	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 20:27	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 20:27	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 20:27	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 20:27	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 20:27	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 20:27	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 20:27	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 20:27	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 20:27	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 20:27	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 20:27	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 20:27	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 20:27	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 20:27	1

Client Sample ID: MP-280A

Date Collected: 10/04/22 14:46
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-10

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 20:27	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 20:27	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 20:27	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 20:27	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 20:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 20:27	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 20:27	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 20:27	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 20:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 20:27	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/12/22 20:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/12/22 20:27*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/12/22 20:27*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 11:43	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 11:43	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:31	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:31	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:31	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:31	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:31	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:31	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*19 - 120*	*10/13/22 15:56*	*10/14/22 18:31*	*1*
Tetrachloro-m-xylene	*69*		*39 - 121*	*10/13/22 15:56*	*10/14/22 18:31*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 00:34	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.022**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:01	1
Barium, Dissolved	**0.023**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:01	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:01	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:01	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:01	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:01	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-280A

Date Collected: 10/04/22 14:46
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-10

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.4		1.0	0.43	mg/L			10/18/22 03:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.98				SU			10/04/22 14:46	1
Field Conductivity	1420				umhos/cm			10/04/22 14:46	1
Field Temperature	15.4				Degrees C			10/04/22 14:46	1
Field Turbidity	1.48				NTU			10/04/22 14:46	1
Ground Water Elevation	894.13				ft/msl			10/04/22 14:46	1
Oxidation Reduction Potential	-67.4				millivolts			10/04/22 14:46	1
Oxygen, Dissolved	0.05				mg/L			10/04/22 14:46	1
Depth to Water from Top of Casing	18.15				ft			10/04/22 14:46	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-277A

Date Collected: 10/04/22 15:51
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-11

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 20:51	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 20:51	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 20:51	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 20:51	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 20:51	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 20:51	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 20:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 20:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 20:51	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 20:51	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 20:51	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 20:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 20:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 20:51	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 20:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 20:51	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 20:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 20:51	1
Acetone	ND		10	3.0	ug/L			10/12/22 20:51	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 20:51	1
Acrolein	ND		20	0.91	ug/L			10/12/22 20:51	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 20:51	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 20:51	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 20:51	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 20:51	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 20:51	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 20:51	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 20:51	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 20:51	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 20:51	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 20:51	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 20:51	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 20:51	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 20:51	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 20:51	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 20:51	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 20:51	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 20:51	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 20:51	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 20:51	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 20:51	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 20:51	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 20:51	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 20:51	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 20:51	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 20:51	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 20:51	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 20:51	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 20:51	1

Client Sample ID: MP-277A

Date Collected: 10/04/22 15:51
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-11

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/12/22 20:51	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 20:51	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 20:51	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 20:51	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 20:51	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 20:51	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 20:51	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 20:51	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 20:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 20:51	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/12/22 20:51*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/12/22 20:51*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/12/22 20:51*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 12:03	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 12:03	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:45	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:45	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:45	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:45	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:45	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:45	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*19 - 120*	*10/13/22 15:56*	*10/14/22 18:45*	*1*
Tetrachloro-m-xylene	*71*		*39 - 121*	*10/13/22 15:56*	*10/14/22 18:45*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 00:50	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0088**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:13	1
Barium, Dissolved	**0.023**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:13	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:13	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:13	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:13	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:13	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-277A

Date Collected: 10/04/22 15:51
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-11

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.3		1.0	0.43	mg/L			10/18/22 04:05	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.19				SU			10/04/22 15:51	1
Field Conductivity	1351				umhos/cm			10/04/22 15:51	1
Field Temperature	16.3				Degrees C			10/04/22 15:51	1
Field Turbidity	1.49				NTU			10/04/22 15:51	1
Ground Water Elevation	906.63				ft/msl			10/04/22 15:51	1
Oxidation Reduction Potential	-79.3				millivolts			10/04/22 15:51	1
Oxygen, Dissolved	0.05				mg/L			10/04/22 15:51	1
Depth to Water from Top of Casing	8.61				ft			10/04/22 15:51	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: FIELD BLANK DMP#1

Lab Sample ID: 480-202459-12

Date Collected: 10/04/22 16:55
Matrix: Water
Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/13/22 14:20	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/13/22 14:20	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/13/22 14:20	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/13/22 14:20	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/13/22 14:20	1
1,1-Dichloroethene	ND	*1	2.0	0.29	ug/L			10/13/22 14:20	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/13/22 14:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/22 14:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/22 14:20	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/13/22 14:20	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/13/22 14:20	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/13/22 14:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/22 14:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/22 14:20	1
1,4-Dioxane	ND	*1	40	9.3	ug/L			10/13/22 14:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/22 14:20	1
2-Hexanone	ND		10	1.2	ug/L			10/13/22 14:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/13/22 14:20	1
Acetone	ND		10	3.0	ug/L			10/13/22 14:20	1
Acetonitrile	ND		170	4.9	ug/L			10/13/22 14:20	1
Acrolein	ND		20	0.91	ug/L			10/13/22 14:20	1
Acrylonitrile	ND		20	0.83	ug/L			10/13/22 14:20	1
Allyl chloride	ND		2.0	0.44	ug/L			10/13/22 14:20	1
Benzene	ND		2.0	0.41	ug/L			10/13/22 14:20	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/13/22 14:20	1
Bromoform	ND		2.0	0.26	ug/L			10/13/22 14:20	1
Bromomethane	ND		2.0	0.69	ug/L			10/13/22 14:20	1
Carbon disulfide	ND	*1	2.0	0.19	ug/L			10/13/22 14:20	1
Carbon tetrachloride	ND	*1	2.0	0.27	ug/L			10/13/22 14:20	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/13/22 14:20	1
Chloroethane	ND		2.0	0.32	ug/L			10/13/22 14:20	1
Chloroform	ND		2.0	0.34	ug/L			10/13/22 14:20	1
Chloromethane	ND		2.0	0.35	ug/L			10/13/22 14:20	1
Chloroprene	ND		1.0	0.49	ug/L			10/13/22 14:20	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/13/22 14:20	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/13/22 14:20	1
Dibromomethane	ND		2.0	0.41	ug/L			10/13/22 14:20	1
Dichlorodifluoromethane	ND	*1	2.0	0.68	ug/L			10/13/22 14:20	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/13/22 14:20	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/13/22 14:20	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/13/22 14:20	1
Iodomethane	ND		2.0	0.30	ug/L			10/13/22 14:20	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/13/22 14:20	1
Methacrylonitrile	ND		10	0.69	ug/L			10/13/22 14:20	1
Methyl methacrylate	ND		10	0.61	ug/L			10/13/22 14:20	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/13/22 14:20	1
Naphthalene	ND		1.0	0.43	ug/L			10/13/22 14:20	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/13/22 14:20	1
Propionitrile	ND		50	5.8	ug/L			10/13/22 14:20	1

Client Sample ID: FIELD BLANK DMP#1

Lab Sample ID: 480-202459-12

Date Collected: 10/04/22 16:55

Matrix: Water

Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/13/22 14:20	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/13/22 14:20	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/13/22 14:20	1
Toluene	ND		2.0	0.51	ug/L			10/13/22 14:20	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/13/22 14:20	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/13/22 14:20	1
Trichloroethene	ND		2.0	0.46	ug/L			10/13/22 14:20	1
Trichlorofluoromethane	ND	*1	2.0	0.88	ug/L			10/13/22 14:20	1
Vinyl acetate	ND		10	0.85	ug/L			10/13/22 14:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/22 14:20	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/13/22 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/13/22 14:20*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/13/22 14:20*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/13/22 14:20*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/09/22 19:25	10/10/22 12:23	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/09/22 19:25	10/10/22 12:23	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:58	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:58	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:58	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:58	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 18:58	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:58	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*19 - 120*	*10/13/22 15:56*	*10/14/22 18:58*	*1*
Tetrachloro-m-xylene	*52*		*39 - 121*	*10/13/22 15:56*	*10/14/22 18:58*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 00:54	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:22	1
Barium, Dissolved	ND		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:22	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:22	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:22	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:22	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:22	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: FIELD BLANK DMP#1

Lab Sample ID: 480-202459-12

Date Collected: 10/04/22 16:55
Matrix: Water
Date Received: 10/06/22 10:30

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	ND		1.0	0.43	mg/L			10/18/22 04:34	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.56**				SU			10/04/22 16:55	1
Field Conductivity	**23.37**				umhos/cm			10/04/22 16:55	1
Field Temperature	**21.5**				Degrees C			10/04/22 16:55	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-231AR
Date Collected: 10/03/22 14:47
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-13
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/09/22 19:45	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/09/22 19:45	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/09/22 19:45	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/09/22 19:45	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/09/22 19:45	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/09/22 19:45	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/09/22 19:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/09/22 19:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/09/22 19:45	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/09/22 19:45	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/09/22 19:45	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/09/22 19:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/09/22 19:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/09/22 19:45	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/09/22 19:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/22 19:45	1
2-Hexanone	ND		10	1.2	ug/L			10/09/22 19:45	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/09/22 19:45	1
Acetone	ND		10	3.0	ug/L			10/09/22 19:45	1
Acetonitrile	ND		170	4.9	ug/L			10/09/22 19:45	1
Acrolein	ND		20	0.91	ug/L			10/09/22 19:45	1
Acrylonitrile	ND		20	0.83	ug/L			10/09/22 19:45	1
Allyl chloride	ND		2.0	0.44	ug/L			10/09/22 19:45	1
Benzene	ND		2.0	0.41	ug/L			10/09/22 19:45	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/09/22 19:45	1
Bromoform	ND		2.0	0.26	ug/L			10/09/22 19:45	1
Bromomethane	ND		2.0	0.69	ug/L			10/09/22 19:45	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/09/22 19:45	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/09/22 19:45	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/09/22 19:45	1
Chloroethane	ND		2.0	0.32	ug/L			10/09/22 19:45	1
Chloroform	ND		2.0	0.34	ug/L			10/09/22 19:45	1
Chloromethane	ND		2.0	0.35	ug/L			10/09/22 19:45	1
Chloroprene	ND		1.0	0.49	ug/L			10/09/22 19:45	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/09/22 19:45	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/09/22 19:45	1
Dibromomethane	ND		2.0	0.41	ug/L			10/09/22 19:45	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/09/22 19:45	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/09/22 19:45	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/09/22 19:45	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/09/22 19:45	1
Iodomethane	ND		2.0	0.30	ug/L			10/09/22 19:45	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/09/22 19:45	1
Methacrylonitrile	ND		10	0.69	ug/L			10/09/22 19:45	1
Methyl methacrylate	ND		10	0.61	ug/L			10/09/22 19:45	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/09/22 19:45	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/22 19:45	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/09/22 19:45	1
Propionitrile	ND		50	5.8	ug/L			10/09/22 19:45	1

Client Sample ID: MP-231AR

Date Collected: 10/03/22 14:47
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-13

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/09/22 19:45	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/09/22 19:45	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/09/22 19:45	1
Toluene	ND		2.0	0.51	ug/L			10/09/22 19:45	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/09/22 19:45	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/09/22 19:45	1
Trichloroethene	ND		2.0	0.46	ug/L			10/09/22 19:45	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/09/22 19:45	1
Vinyl acetate	ND		10	0.85	ug/L			10/09/22 19:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/22 19:45	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/09/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/09/22 19:45*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/09/22 19:45*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/09/22 19:45*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/09/22 19:25	10/10/22 12:43	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/09/22 19:25	10/10/22 12:43	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:11	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:11	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:11	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:11	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:11	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:11	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*10/13/22 15:56*	*10/14/22 19:11*	*1*
Tetrachloro-m-xylene	*72*		*39 - 121*	*10/13/22 15:56*	*10/14/22 19:11*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 00:58	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0013**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:24	1
Barium, Dissolved	**0.0061**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:24	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:24	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:24	1
Silver, Dissolved	**0.000061**	**J**	0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:24	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:24	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-231AR

Date Collected: 10/03/22 14:47
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-13

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.3		1.0	0.43	mg/L			10/18/22 07:30	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.16				SU			10/03/22 14:47	1
Field Conductivity	2902				umhos/cm			10/03/22 14:47	1
Field Temperature	19.1				Degrees C			10/03/22 14:47	1
Field Turbidity	8.98				NTU			10/03/22 14:47	1
Ground Water Elevation	906.82				ft/msl			10/03/22 14:47	1
Oxidation Reduction Potential	29.40				millivolts			10/03/22 14:47	1
Oxygen, Dissolved	0.53				mg/L			10/03/22 14:47	1
Depth to Water from Top of Casing	8.91				ft			10/03/22 14:47	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-409
Date Collected: 10/03/22 16:00
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-14
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/09/22 20:07	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/09/22 20:07	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/09/22 20:07	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/09/22 20:07	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/09/22 20:07	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/09/22 20:07	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/09/22 20:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/09/22 20:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/09/22 20:07	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/09/22 20:07	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/09/22 20:07	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/09/22 20:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/09/22 20:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/09/22 20:07	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/09/22 20:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/22 20:07	1
2-Hexanone	ND		10	1.2	ug/L			10/09/22 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/09/22 20:07	1
Acetone	ND		10	3.0	ug/L			10/09/22 20:07	1
Acetonitrile	ND		170	4.9	ug/L			10/09/22 20:07	1
Acrolein	ND		20	0.91	ug/L			10/09/22 20:07	1
Acrylonitrile	ND		20	0.83	ug/L			10/09/22 20:07	1
Allyl chloride	ND		2.0	0.44	ug/L			10/09/22 20:07	1
Benzene	ND		2.0	0.41	ug/L			10/09/22 20:07	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/09/22 20:07	1
Bromoform	ND		2.0	0.26	ug/L			10/09/22 20:07	1
Bromomethane	ND		2.0	0.69	ug/L			10/09/22 20:07	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/09/22 20:07	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/09/22 20:07	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/09/22 20:07	1
Chloroethane	ND		2.0	0.32	ug/L			10/09/22 20:07	1
Chloroform	ND		2.0	0.34	ug/L			10/09/22 20:07	1
Chloromethane	ND		2.0	0.35	ug/L			10/09/22 20:07	1
Chloroprene	ND		1.0	0.49	ug/L			10/09/22 20:07	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/09/22 20:07	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/09/22 20:07	1
Dibromomethane	ND		2.0	0.41	ug/L			10/09/22 20:07	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/09/22 20:07	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/09/22 20:07	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/09/22 20:07	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/09/22 20:07	1
Iodomethane	ND		2.0	0.30	ug/L			10/09/22 20:07	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/09/22 20:07	1
Methacrylonitrile	ND		10	0.69	ug/L			10/09/22 20:07	1
Methyl methacrylate	ND		10	0.61	ug/L			10/09/22 20:07	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/09/22 20:07	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/22 20:07	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/09/22 20:07	1
Propionitrile	ND		50	5.8	ug/L			10/09/22 20:07	1

Client Sample ID: MP-409

Date Collected: 10/03/22 16:00
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-14

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/09/22 20:07	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/09/22 20:07	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/09/22 20:07	1
Toluene	ND		2.0	0.51	ug/L			10/09/22 20:07	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/09/22 20:07	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/09/22 20:07	1
Trichloroethene	ND		2.0	0.46	ug/L			10/09/22 20:07	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/09/22 20:07	1
Vinyl acetate	ND		10	0.85	ug/L			10/09/22 20:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/22 20:07	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/09/22 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/09/22 20:07*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/09/22 20:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/09/22 20:07*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/11/22 13:38	10/11/22 19:38	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/11/22 13:38	10/11/22 19:38	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:25	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:25	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:25	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:25	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:25	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:25	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*19 - 120*	*10/13/22 15:56*	*10/14/22 19:25*	*1*
Tetrachloro-m-xylene	*66*		*39 - 121*	*10/13/22 15:56*	*10/14/22 19:25*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 01:02	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0016**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:27	1
Barium, Dissolved	**0.12**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:27	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:27	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:27	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:27	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:27	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-409

Date Collected: 10/03/22 16:00
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-14

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.7		1.0	0.43	mg/L			10/18/22 08:28	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.30				SU			10/03/22 16:00	1
Field Conductivity	853				umhos/cm			10/03/22 16:00	1
Field Temperature	16.3				Degrees C			10/03/22 16:00	1
Field Turbidity	3.51				NTU			10/03/22 16:00	1
Ground Water Elevation	902.20				ft/msl			10/03/22 16:00	1
Oxidation Reduction Potential	43.6				millivolts			10/03/22 16:00	1
Oxygen, Dissolved	0.22				mg/L			10/03/22 16:00	1
Depth to Water from Top of Casing	9.63				ft			10/03/22 16:00	1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-202459-15

Date Collected: 10/03/22 16:00

Matrix: Water

Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/09/22 20:29	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/09/22 20:29	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/09/22 20:29	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/09/22 20:29	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/09/22 20:29	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/09/22 20:29	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/09/22 20:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/09/22 20:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/09/22 20:29	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/09/22 20:29	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/09/22 20:29	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/09/22 20:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/09/22 20:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/09/22 20:29	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/09/22 20:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/22 20:29	1
2-Hexanone	ND		10	1.2	ug/L			10/09/22 20:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/09/22 20:29	1
Acetone	ND		10	3.0	ug/L			10/09/22 20:29	1
Acetonitrile	ND		170	4.9	ug/L			10/09/22 20:29	1
Acrolein	ND		20	0.91	ug/L			10/09/22 20:29	1
Acrylonitrile	ND		20	0.83	ug/L			10/09/22 20:29	1
Allyl chloride	ND		2.0	0.44	ug/L			10/09/22 20:29	1
Benzene	ND		2.0	0.41	ug/L			10/09/22 20:29	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/09/22 20:29	1
Bromoform	ND		2.0	0.26	ug/L			10/09/22 20:29	1
Bromomethane	ND		2.0	0.69	ug/L			10/09/22 20:29	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/09/22 20:29	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/09/22 20:29	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/09/22 20:29	1
Chloroethane	ND		2.0	0.32	ug/L			10/09/22 20:29	1
Chloroform	ND		2.0	0.34	ug/L			10/09/22 20:29	1
Chloromethane	ND		2.0	0.35	ug/L			10/09/22 20:29	1
Chloroprene	ND		1.0	0.49	ug/L			10/09/22 20:29	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/09/22 20:29	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/09/22 20:29	1
Dibromomethane	ND		2.0	0.41	ug/L			10/09/22 20:29	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/09/22 20:29	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/09/22 20:29	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/09/22 20:29	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/09/22 20:29	1
Iodomethane	ND		2.0	0.30	ug/L			10/09/22 20:29	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/09/22 20:29	1
Methacrylonitrile	ND		10	0.69	ug/L			10/09/22 20:29	1
Methyl methacrylate	ND		10	0.61	ug/L			10/09/22 20:29	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/09/22 20:29	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/22 20:29	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/09/22 20:29	1
Propionitrile	ND		50	5.8	ug/L			10/09/22 20:29	1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-202459-15

Date Collected: 10/03/22 16:00

Matrix: Water

Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/09/22 20:29	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/09/22 20:29	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/09/22 20:29	1
Toluene	ND		2.0	0.51	ug/L			10/09/22 20:29	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/09/22 20:29	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/09/22 20:29	1
Trichloroethene	ND		2.0	0.46	ug/L			10/09/22 20:29	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/09/22 20:29	1
Vinyl acetate	ND		10	0.85	ug/L			10/09/22 20:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/22 20:29	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/09/22 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/09/22 20:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/09/22 20:29*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/09/22 20:29*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/11/22 13:38	10/11/22 20:18	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/11/22 13:38	10/11/22 20:18	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:38	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:38	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:38	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:38	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:38	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:38	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*19 - 120*	*10/13/22 15:56*	*10/14/22 19:38*	*1*
Tetrachloro-m-xylene	*70*		*39 - 121*	*10/13/22 15:56*	*10/14/22 19:38*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 01:05	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0016**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:29	1
Barium, Dissolved	**0.13**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:29	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:29	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:29	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:29	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:29	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-202459-15

Date Collected: 10/03/22 16:00
Matrix: Water
Date Received: 10/06/22 10:30

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.8		1.0	0.43	mg/L			10/18/22 08:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.30				SU			10/03/22 16:00	1
Field Conductivity	853				umhos/cm			10/03/22 16:00	1
Field Temperature	11.3				Degrees C			10/03/22 16:00	1
Field Turbidity	3.51				NTU			10/03/22 16:00	1
Oxidation Reduction Potential	43.6				millivolts			10/03/22 16:00	1
Oxygen, Dissolved	0.22				mg/L			10/03/22 16:00	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-406C
Date Collected: 10/03/22 17:23
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-16
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/09/22 20:51	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/09/22 20:51	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/09/22 20:51	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/09/22 20:51	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/09/22 20:51	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/09/22 20:51	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/09/22 20:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/09/22 20:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/09/22 20:51	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/09/22 20:51	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/09/22 20:51	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/09/22 20:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/09/22 20:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/09/22 20:51	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/09/22 20:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/22 20:51	1
2-Hexanone	ND		10	1.2	ug/L			10/09/22 20:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/09/22 20:51	1
Acetone	ND		10	3.0	ug/L			10/09/22 20:51	1
Acetonitrile	ND		170	4.9	ug/L			10/09/22 20:51	1
Acrolein	ND		20	0.91	ug/L			10/09/22 20:51	1
Acrylonitrile	ND		20	0.83	ug/L			10/09/22 20:51	1
Allyl chloride	ND		2.0	0.44	ug/L			10/09/22 20:51	1
Benzene	ND		2.0	0.41	ug/L			10/09/22 20:51	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/09/22 20:51	1
Bromoform	ND		2.0	0.26	ug/L			10/09/22 20:51	1
Bromomethane	ND		2.0	0.69	ug/L			10/09/22 20:51	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/09/22 20:51	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/09/22 20:51	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/09/22 20:51	1
Chloroethane	ND		2.0	0.32	ug/L			10/09/22 20:51	1
Chloroform	ND		2.0	0.34	ug/L			10/09/22 20:51	1
Chloromethane	ND		2.0	0.35	ug/L			10/09/22 20:51	1
Chloroprene	ND		1.0	0.49	ug/L			10/09/22 20:51	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/09/22 20:51	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/09/22 20:51	1
Dibromomethane	ND		2.0	0.41	ug/L			10/09/22 20:51	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/09/22 20:51	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/09/22 20:51	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/09/22 20:51	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/09/22 20:51	1
Iodomethane	ND		2.0	0.30	ug/L			10/09/22 20:51	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/09/22 20:51	1
Methacrylonitrile	ND		10	0.69	ug/L			10/09/22 20:51	1
Methyl methacrylate	ND		10	0.61	ug/L			10/09/22 20:51	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/09/22 20:51	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/22 20:51	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/09/22 20:51	1
Propionitrile	ND		50	5.8	ug/L			10/09/22 20:51	1

Client Sample ID: MP-406C

Date Collected: 10/03/22 17:23
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-16

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/09/22 20:51	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/09/22 20:51	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/09/22 20:51	1
Toluene	ND		2.0	0.51	ug/L			10/09/22 20:51	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/09/22 20:51	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/09/22 20:51	1
Trichloroethene	ND		2.0	0.46	ug/L			10/09/22 20:51	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/09/22 20:51	1
Vinyl acetate	ND		10	0.85	ug/L			10/09/22 20:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/22 20:51	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/09/22 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/09/22 20:51*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/09/22 20:51*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/09/22 20:51*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0078	ug/L		10/11/22 13:38	10/11/22 20:38	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		10/11/22 13:38	10/11/22 20:38	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:51	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:51	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:51	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:51	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 19:51	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:51	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*10/13/22 15:56*	*10/14/22 19:51*	*1*
Tetrachloro-m-xylene	*75*		*39 - 121*	*10/13/22 15:56*	*10/14/22 19:51*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 01:09	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0034**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:31	1
Barium, Dissolved	**0.14**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:31	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:31	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:31	1
Silver, Dissolved	**0.000046**	**J**	0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:31	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:31	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-406C

Date Collected: 10/03/22 17:23
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-16

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.5		1.0	0.43	mg/L			10/18/22 09:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.26				SU			10/03/22 17:23	1
Field Conductivity	962				umhos/cm			10/03/22 17:23	1
Field Temperature	14.8				Degrees C			10/03/22 17:23	1
Field Turbidity	0.93				NTU			10/03/22 17:23	1
Ground Water Elevation	895.19				ft/msl			10/03/22 17:23	1
Oxidation Reduction Potential	-32.8				millivolts			10/03/22 17:23	1
Oxygen, Dissolved	0.08				mg/L			10/03/22 17:23	1
Depth to Water from Top of Casing	22.21				ft			10/03/22 17:23	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-213A
Date Collected: 10/03/22 18:38
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-17
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/09/22 21:13	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/09/22 21:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/09/22 21:13	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/09/22 21:13	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/09/22 21:13	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/09/22 21:13	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/09/22 21:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/09/22 21:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/09/22 21:13	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/09/22 21:13	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/09/22 21:13	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/09/22 21:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/09/22 21:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/09/22 21:13	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/09/22 21:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/22 21:13	1
2-Hexanone	ND		10	1.2	ug/L			10/09/22 21:13	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/09/22 21:13	1
Acetone	ND		10	3.0	ug/L			10/09/22 21:13	1
Acetonitrile	ND		170	4.9	ug/L			10/09/22 21:13	1
Acrolein	ND		20	0.91	ug/L			10/09/22 21:13	1
Acrylonitrile	ND		20	0.83	ug/L			10/09/22 21:13	1
Allyl chloride	ND		2.0	0.44	ug/L			10/09/22 21:13	1
Benzene	ND		2.0	0.41	ug/L			10/09/22 21:13	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/09/22 21:13	1
Bromoform	ND		2.0	0.26	ug/L			10/09/22 21:13	1
Bromomethane	ND		2.0	0.69	ug/L			10/09/22 21:13	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/09/22 21:13	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/09/22 21:13	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/09/22 21:13	1
Chloroethane	ND		2.0	0.32	ug/L			10/09/22 21:13	1
Chloroform	ND		2.0	0.34	ug/L			10/09/22 21:13	1
Chloromethane	ND		2.0	0.35	ug/L			10/09/22 21:13	1
Chloroprene	ND		1.0	0.49	ug/L			10/09/22 21:13	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/09/22 21:13	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/09/22 21:13	1
Dibromomethane	ND		2.0	0.41	ug/L			10/09/22 21:13	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/09/22 21:13	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/09/22 21:13	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/09/22 21:13	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/09/22 21:13	1
Iodomethane	ND		2.0	0.30	ug/L			10/09/22 21:13	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/09/22 21:13	1
Methacrylonitrile	ND		10	0.69	ug/L			10/09/22 21:13	1
Methyl methacrylate	ND		10	0.61	ug/L			10/09/22 21:13	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/09/22 21:13	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/22 21:13	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/09/22 21:13	1
Propionitrile	ND		50	5.8	ug/L			10/09/22 21:13	1

Client Sample ID: MP-213A

Date Collected: 10/03/22 18:38
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-17

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/09/22 21:13	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/09/22 21:13	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/09/22 21:13	1
Toluene	ND		2.0	0.51	ug/L			10/09/22 21:13	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/09/22 21:13	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/09/22 21:13	1
Trichloroethene	ND		2.0	0.46	ug/L			10/09/22 21:13	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/09/22 21:13	1
Vinyl acetate	ND		10	0.85	ug/L			10/09/22 21:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/22 21:13	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/09/22 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/09/22 21:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/09/22 21:13*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/09/22 21:13*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/11/22 13:38	10/11/22 20:57	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/11/22 13:38	10/11/22 20:57	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:04	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:04	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:04	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:04	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:04	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 20:04	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*19 - 120*	*10/13/22 15:56*	*10/14/22 20:04*	*1*
Tetrachloro-m-xylene	*68*		*39 - 121*	*10/13/22 15:56*	*10/14/22 20:04*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/15/22 01:13	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0011**		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 13:34	1
Barium, Dissolved	**0.050**		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 13:34	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 13:34	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 13:34	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 13:34	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 13:34	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-213A

Date Collected: 10/03/22 18:38
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-17

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.7		1.0	0.43	mg/L			10/18/22 09:56	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.65				SU			10/03/22 18:38	1
Field Conductivity	2368				umhos/cm			10/03/22 18:38	1
Field Temperature	14.3				Degrees C			10/03/22 18:38	1
Field Turbidity	2.62				NTU			10/03/22 18:38	1
Ground Water Elevation	894.17				ft/msl			10/03/22 18:38	1
Oxidation Reduction Potential	-135.5				millivolts			10/03/22 18:38	1
Oxygen, Dissolved	0.06				mg/L			10/03/22 18:38	1
Depth to Water from Top of Casing	18.81				ft			10/03/22 18:38	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-244AR
Date Collected: 10/04/22 10:14
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-18
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/13/22 14:43	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/13/22 14:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/13/22 14:43	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/13/22 14:43	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/13/22 14:43	1
1,1-Dichloroethene	ND	*1	2.0	0.29	ug/L			10/13/22 14:43	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/13/22 14:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/22 14:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/22 14:43	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/13/22 14:43	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/13/22 14:43	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/13/22 14:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/22 14:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/22 14:43	1
1,4-Dioxane	ND	*1	40	9.3	ug/L			10/13/22 14:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/22 14:43	1
2-Hexanone	ND		10	1.2	ug/L			10/13/22 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/13/22 14:43	1
Acetone	ND		10	3.0	ug/L			10/13/22 14:43	1
Acetonitrile	ND		170	4.9	ug/L			10/13/22 14:43	1
Acrolein	ND		20	0.91	ug/L			10/13/22 14:43	1
Acrylonitrile	ND		20	0.83	ug/L			10/13/22 14:43	1
Allyl chloride	ND		2.0	0.44	ug/L			10/13/22 14:43	1
Benzene	ND		2.0	0.41	ug/L			10/13/22 14:43	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/13/22 14:43	1
Bromoform	ND		2.0	0.26	ug/L			10/13/22 14:43	1
Bromomethane	ND		2.0	0.69	ug/L			10/13/22 14:43	1
Carbon disulfide	ND	*1	2.0	0.19	ug/L			10/13/22 14:43	1
Carbon tetrachloride	ND	*1	2.0	0.27	ug/L			10/13/22 14:43	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/13/22 14:43	1
Chloroethane	ND		2.0	0.32	ug/L			10/13/22 14:43	1
Chloroform	ND		2.0	0.34	ug/L			10/13/22 14:43	1
Chloromethane	ND		2.0	0.35	ug/L			10/13/22 14:43	1
Chloroprene	ND		1.0	0.49	ug/L			10/13/22 14:43	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/13/22 14:43	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/13/22 14:43	1
Dibromomethane	ND		2.0	0.41	ug/L			10/13/22 14:43	1
Dichlorodifluoromethane	ND	*1	2.0	0.68	ug/L			10/13/22 14:43	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/13/22 14:43	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/13/22 14:43	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/13/22 14:43	1
Iodomethane	ND		2.0	0.30	ug/L			10/13/22 14:43	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/13/22 14:43	1
Methacrylonitrile	ND		10	0.69	ug/L			10/13/22 14:43	1
Methyl methacrylate	ND		10	0.61	ug/L			10/13/22 14:43	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/13/22 14:43	1
Naphthalene	ND		1.0	0.43	ug/L			10/13/22 14:43	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/13/22 14:43	1
Propionitrile	ND		50	5.8	ug/L			10/13/22 14:43	1

Client Sample ID: MP-244AR

Lab Sample ID: 480-202459-18

Date Collected: 10/04/22 10:14
Date Received: 10/06/22 10:30

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/13/22 14:43	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/13/22 14:43	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/13/22 14:43	1
Toluene	ND		2.0	0.51	ug/L			10/13/22 14:43	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/13/22 14:43	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/13/22 14:43	1
Trichloroethene	ND		2.0	0.46	ug/L			10/13/22 14:43	1
Trichlorofluoromethane	ND	*1	2.0	0.88	ug/L			10/13/22 14:43	1
Vinyl acetate	ND		10	0.85	ug/L			10/13/22 14:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/22 14:43	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/13/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/13/22 14:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/13/22 14:43*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/13/22 14:43*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/11/22 13:38	10/11/22 21:17	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/11/22 13:38	10/11/22 21:17	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:18	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:18	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:18	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:18	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:18	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 20:18	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*10/13/22 15:56*	*10/14/22 20:18*	*1*
Tetrachloro-m-xylene	*73*		*39 - 121*	*10/13/22 15:56*	*10/14/22 20:18*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 00:58	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.011**		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:29	1
Barium, Dissolved	**0.060**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:29	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:29	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:29	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:29	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:29	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-244AR

Lab Sample ID: 480-202459-18

Date Collected: 10/04/22 10:14
Date Received: 10/06/22 10:30

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.2		1.0	0.43	mg/L			10/18/22 10:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.66				SU			10/04/22 10:14	1
Field Conductivity	1136				umhos/cm			10/04/22 10:14	1
Field Temperature	16.3				Degrees C			10/04/22 10:14	1
Field Turbidity	7.80				NTU			10/04/22 10:14	1
Ground Water Elevation	894.98				ft/msl			10/04/22 10:14	1
Oxidation Reduction Potential	-52.9				millivolts			10/04/22 10:14	1
Oxygen, Dissolved	0.15				mg/L			10/04/22 10:14	1
Depth to Water from Top of Casing	14.84				ft			10/04/22 10:14	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-244R
Date Collected: 10/04/22 11:34
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-19
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/13/22 15:06	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/13/22 15:06	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/13/22 15:06	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/13/22 15:06	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/13/22 15:06	1
1,1-Dichloroethene	ND	*1	2.0	0.29	ug/L			10/13/22 15:06	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/13/22 15:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/22 15:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/22 15:06	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/13/22 15:06	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/13/22 15:06	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/13/22 15:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/22 15:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/22 15:06	1
1,4-Dioxane	ND	*1	40	9.3	ug/L			10/13/22 15:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/22 15:06	1
2-Hexanone	ND		10	1.2	ug/L			10/13/22 15:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/13/22 15:06	1
Acetone	ND		10	3.0	ug/L			10/13/22 15:06	1
Acetonitrile	ND		170	4.9	ug/L			10/13/22 15:06	1
Acrolein	ND		20	0.91	ug/L			10/13/22 15:06	1
Acrylonitrile	ND		20	0.83	ug/L			10/13/22 15:06	1
Allyl chloride	ND		2.0	0.44	ug/L			10/13/22 15:06	1
Benzene	ND		2.0	0.41	ug/L			10/13/22 15:06	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/13/22 15:06	1
Bromoform	ND		2.0	0.26	ug/L			10/13/22 15:06	1
Bromomethane	ND		2.0	0.69	ug/L			10/13/22 15:06	1
Carbon disulfide	ND	*1	2.0	0.19	ug/L			10/13/22 15:06	1
Carbon tetrachloride	ND	*1	2.0	0.27	ug/L			10/13/22 15:06	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/13/22 15:06	1
Chloroethane	ND		2.0	0.32	ug/L			10/13/22 15:06	1
Chloroform	ND		2.0	0.34	ug/L			10/13/22 15:06	1
Chloromethane	ND		2.0	0.35	ug/L			10/13/22 15:06	1
Chloroprene	ND		1.0	0.49	ug/L			10/13/22 15:06	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/13/22 15:06	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/13/22 15:06	1
Dibromomethane	ND		2.0	0.41	ug/L			10/13/22 15:06	1
Dichlorodifluoromethane	ND	*1	2.0	0.68	ug/L			10/13/22 15:06	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/13/22 15:06	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/13/22 15:06	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/13/22 15:06	1
Iodomethane	ND		2.0	0.30	ug/L			10/13/22 15:06	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/13/22 15:06	1
Methacrylonitrile	ND		10	0.69	ug/L			10/13/22 15:06	1
Methyl methacrylate	ND		10	0.61	ug/L			10/13/22 15:06	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/13/22 15:06	1
Naphthalene	ND		1.0	0.43	ug/L			10/13/22 15:06	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/13/22 15:06	1
Propionitrile	ND		50	5.8	ug/L			10/13/22 15:06	1

Client Sample ID: MP-244R

Date Collected: 10/04/22 11:34
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-19

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/13/22 15:06	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/13/22 15:06	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/13/22 15:06	1
Toluene	ND		2.0	0.51	ug/L			10/13/22 15:06	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/13/22 15:06	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/13/22 15:06	1
Trichloroethene	ND		2.0	0.46	ug/L			10/13/22 15:06	1
Trichlorofluoromethane	ND	*1	2.0	0.88	ug/L			10/13/22 15:06	1
Vinyl acetate	ND		10	0.85	ug/L			10/13/22 15:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/22 15:06	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/13/22 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/13/22 15:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/13/22 15:06*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/13/22 15:06*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/11/22 13:38	10/11/22 21:38	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		10/11/22 13:38	10/11/22 21:38	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:58	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:58	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:58	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:58	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 20:58	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 20:58	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*10/13/22 15:56*	*10/14/22 20:58*	*1*
Tetrachloro-m-xylene	*74*		*39 - 121*	*10/13/22 15:56*	*10/14/22 20:58*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 01:02	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00031**	**J**	0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:31	1
Barium, Dissolved	**0.018**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:31	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:31	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:31	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:31	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:31	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-244R

Date Collected: 10/04/22 11:34
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-19

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.63	J	1.0	0.43	mg/L			10/18/22 12:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.78				SU			10/04/22 11:34	1
Field Conductivity	1213				umhos/cm			10/04/22 11:34	1
Field Temperature	17.7				Degrees C			10/04/22 11:34	1
Field Turbidity	3.15				NTU			10/04/22 11:34	1
Ground Water Elevation	897.79				ft/msl			10/04/22 11:34	1
Oxidation Reduction Potential	-51.2				millivolts			10/04/22 11:34	1
Oxygen, Dissolved	0.34				mg/L			10/04/22 11:34	1
Depth to Water from Top of Casing	11.94				ft			10/04/22 11:34	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-233AR
Date Collected: 10/04/22 12:35
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-20
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/13/22 15:29	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/13/22 15:29	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/13/22 15:29	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/13/22 15:29	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/13/22 15:29	1
1,1-Dichloroethene	ND	*1	2.0	0.29	ug/L			10/13/22 15:29	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/13/22 15:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/22 15:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/22 15:29	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/13/22 15:29	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/13/22 15:29	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/13/22 15:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/22 15:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/22 15:29	1
1,4-Dioxane	ND	*1	40	9.3	ug/L			10/13/22 15:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/22 15:29	1
2-Hexanone	ND		10	1.2	ug/L			10/13/22 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/13/22 15:29	1
Acetone	ND		10	3.0	ug/L			10/13/22 15:29	1
Acetonitrile	**5.9**	**J**	170	4.9	ug/L			10/13/22 15:29	1
Acrolein	ND		20	0.91	ug/L			10/13/22 15:29	1
Acrylonitrile	ND		20	0.83	ug/L			10/13/22 15:29	1
Allyl chloride	ND		2.0	0.44	ug/L			10/13/22 15:29	1
Benzene	ND		2.0	0.41	ug/L			10/13/22 15:29	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/13/22 15:29	1
Bromoform	ND		2.0	0.26	ug/L			10/13/22 15:29	1
Bromomethane	ND		2.0	0.69	ug/L			10/13/22 15:29	1
Carbon disulfide	ND	*1	2.0	0.19	ug/L			10/13/22 15:29	1
Carbon tetrachloride	ND	*1	2.0	0.27	ug/L			10/13/22 15:29	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/13/22 15:29	1
Chloroethane	ND		2.0	0.32	ug/L			10/13/22 15:29	1
Chloroform	ND		2.0	0.34	ug/L			10/13/22 15:29	1
Chloromethane	ND		2.0	0.35	ug/L			10/13/22 15:29	1
Chloroprene	ND		1.0	0.49	ug/L			10/13/22 15:29	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/13/22 15:29	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/13/22 15:29	1
Dibromomethane	ND		2.0	0.41	ug/L			10/13/22 15:29	1
Dichlorodifluoromethane	ND	*1	2.0	0.68	ug/L			10/13/22 15:29	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/13/22 15:29	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/13/22 15:29	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/13/22 15:29	1
Iodomethane	ND		2.0	0.30	ug/L			10/13/22 15:29	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/13/22 15:29	1
Methacrylonitrile	ND		10	0.69	ug/L			10/13/22 15:29	1
Methyl methacrylate	ND		10	0.61	ug/L			10/13/22 15:29	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/13/22 15:29	1
Naphthalene	ND		1.0	0.43	ug/L			10/13/22 15:29	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/13/22 15:29	1
Propionitrile	ND		50	5.8	ug/L			10/13/22 15:29	1

Client Sample ID: MP-233AR

Date Collected: 10/04/22 12:35
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-20

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/13/22 15:29	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/13/22 15:29	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/13/22 15:29	1
Toluene	ND		2.0	0.51	ug/L			10/13/22 15:29	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/13/22 15:29	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/13/22 15:29	1
Trichloroethene	ND		2.0	0.46	ug/L			10/13/22 15:29	1
Trichlorofluoromethane	ND	*1	2.0	0.88	ug/L			10/13/22 15:29	1
Vinyl acetate	ND		10	0.85	ug/L			10/13/22 15:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/22 15:29	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/13/22 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/13/22 15:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/13/22 15:29*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/13/22 15:29*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/11/22 13:38	10/11/22 21:57	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/11/22 13:38	10/11/22 21:57	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:11	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:11	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:11	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:11	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:11	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 21:11	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*19 - 120*	*10/13/22 15:56*	*10/14/22 21:11*	*1*
Tetrachloro-m-xylene	*70*		*39 - 121*	*10/13/22 15:56*	*10/14/22 21:11*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 01:06	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0071**		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:33	1
Barium, Dissolved	**0.021**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:33	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:33	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:33	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:33	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:33	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-233AR

Lab Sample ID: 480-202459-20

Date Collected: 10/04/22 12:35
Matrix: Water
Date Received: 10/06/22 10:30

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.8		1.0	0.43	mg/L			10/18/22 13:20	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.70				SU			10/04/22 12:35	1
Field Conductivity	1391				umhos/cm			10/04/22 12:35	1
Field Temperature	18.3				Degrees C			10/04/22 12:35	1
Field Turbidity	6.45				NTU			10/04/22 12:35	1
Ground Water Elevation	902.24				ft/msl			10/04/22 12:35	1
Oxidation Reduction Potential	11.7				millivolts			10/04/22 12:35	1
Oxygen, Dissolved	0.73				mg/L			10/04/22 12:35	1
Depth to Water from Top of Casing	5.20				ft			10/04/22 12:35	1

Client Sample ID: MP-404A

Lab Sample ID: 480-202459-21

Date Collected: 10/04/22 13:08

Matrix: Water

Date Received: 10/06/22 10:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/13/22 15:53	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/13/22 15:53	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/13/22 15:53	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/13/22 15:53	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/13/22 15:53	1
1,1-Dichloroethene	ND	*1	2.0	0.29	ug/L			10/13/22 15:53	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/13/22 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/22 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/22 15:53	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/13/22 15:53	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/13/22 15:53	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/13/22 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/22 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/22 15:53	1
1,4-Dioxane	ND	*1	40	9.3	ug/L			10/13/22 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/22 15:53	1
2-Hexanone	ND		10	1.2	ug/L			10/13/22 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/13/22 15:53	1
Acetone	ND		10	3.0	ug/L			10/13/22 15:53	1
Acetonitrile	ND		170	4.9	ug/L			10/13/22 15:53	1
Acrolein	ND		20	0.91	ug/L			10/13/22 15:53	1
Acrylonitrile	ND		20	0.83	ug/L			10/13/22 15:53	1
Allyl chloride	ND		2.0	0.44	ug/L			10/13/22 15:53	1
Benzene	ND		2.0	0.41	ug/L			10/13/22 15:53	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/13/22 15:53	1
Bromoform	ND		2.0	0.26	ug/L			10/13/22 15:53	1
Bromomethane	ND		2.0	0.69	ug/L			10/13/22 15:53	1
Carbon disulfide	ND	*1	2.0	0.19	ug/L			10/13/22 15:53	1
Carbon tetrachloride	ND	*1	2.0	0.27	ug/L			10/13/22 15:53	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/13/22 15:53	1
Chloroethane	ND		2.0	0.32	ug/L			10/13/22 15:53	1
Chloroform	ND		2.0	0.34	ug/L			10/13/22 15:53	1
Chloromethane	ND		2.0	0.35	ug/L			10/13/22 15:53	1
Chloroprene	ND		1.0	0.49	ug/L			10/13/22 15:53	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/13/22 15:53	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/13/22 15:53	1
Dibromomethane	ND		2.0	0.41	ug/L			10/13/22 15:53	1
Dichlorodifluoromethane	ND	*1	2.0	0.68	ug/L			10/13/22 15:53	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/13/22 15:53	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/13/22 15:53	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/13/22 15:53	1
Iodomethane	ND		2.0	0.30	ug/L			10/13/22 15:53	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/13/22 15:53	1
Methacrylonitrile	ND		10	0.69	ug/L			10/13/22 15:53	1
Methyl methacrylate	ND		10	0.61	ug/L			10/13/22 15:53	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/13/22 15:53	1
Naphthalene	ND		1.0	0.43	ug/L			10/13/22 15:53	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/13/22 15:53	1
Propionitrile	ND		50	5.8	ug/L			10/13/22 15:53	1

Client Sample ID: MP-404A

Date Collected: 10/04/22 13:08
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-21

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/13/22 15:53	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/13/22 15:53	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/13/22 15:53	1
Toluene	ND		2.0	0.51	ug/L			10/13/22 15:53	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/13/22 15:53	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/13/22 15:53	1
Trichloroethene	ND		2.0	0.46	ug/L			10/13/22 15:53	1
Trichlorofluoromethane	ND	*1	2.0	0.88	ug/L			10/13/22 15:53	1
Vinyl acetate	ND		10	0.85	ug/L			10/13/22 15:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/22 15:53	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/13/22 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/13/22 15:53*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/13/22 15:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/13/22 15:53*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/11/22 13:38	10/11/22 22:17	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/11/22 13:38	10/11/22 22:17	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:24	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:24	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:24	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:24	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 21:24	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 21:24	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*19 - 120*	*10/13/22 15:56*	*10/14/22 21:24*	*1*
Tetrachloro-m-xylene	*68*		*39 - 121*	*10/13/22 15:56*	*10/14/22 21:24*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 01:21	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:36	1
Barium, Dissolved	**0.046**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:36	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:36	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:36	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:36	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:36	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-404A

Date Collected: 10/04/22 13:08
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-21

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.95	J	1.0	0.43	mg/L			10/18/22 13:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.80				SU			10/04/22 13:08	1
Field Conductivity	1047				umhos/cm			10/04/22 13:08	1
Field Temperature	17.7				Degrees C			10/04/22 13:08	1
Field Turbidity	11.8				NTU			10/04/22 13:08	1
Ground Water Elevation	907.75				ft/msl			10/04/22 13:08	1
Oxidation Reduction Potential	113.6				millivolts			10/04/22 13:08	1
Oxygen, Dissolved	3.92				mg/L			10/04/22 13:08	1
Depth to Water from Top of Casing	7.34				ft			10/04/22 13:08	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-404
Date Collected: 10/04/22 13:40
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-22
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/13/22 16:16	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/13/22 16:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/13/22 16:16	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/13/22 16:16	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/13/22 16:16	1
1,1-Dichloroethene	ND	*1	2.0	0.29	ug/L			10/13/22 16:16	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/13/22 16:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/22 16:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/22 16:16	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/13/22 16:16	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/13/22 16:16	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/13/22 16:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/22 16:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/22 16:16	1
1,4-Dioxane	ND	*1	40	9.3	ug/L			10/13/22 16:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/22 16:16	1
2-Hexanone	ND		10	1.2	ug/L			10/13/22 16:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/13/22 16:16	1
Acetone	ND		10	3.0	ug/L			10/13/22 16:16	1
Acetonitrile	ND		170	4.9	ug/L			10/13/22 16:16	1
Acrolein	ND		20	0.91	ug/L			10/13/22 16:16	1
Acrylonitrile	ND		20	0.83	ug/L			10/13/22 16:16	1
Allyl chloride	ND		2.0	0.44	ug/L			10/13/22 16:16	1
Benzene	ND		2.0	0.41	ug/L			10/13/22 16:16	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/13/22 16:16	1
Bromoform	ND		2.0	0.26	ug/L			10/13/22 16:16	1
Bromomethane	ND		2.0	0.69	ug/L			10/13/22 16:16	1
Carbon disulfide	ND	*1	2.0	0.19	ug/L			10/13/22 16:16	1
Carbon tetrachloride	ND	*1	2.0	0.27	ug/L			10/13/22 16:16	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/13/22 16:16	1
Chloroethane	ND		2.0	0.32	ug/L			10/13/22 16:16	1
Chloroform	ND		2.0	0.34	ug/L			10/13/22 16:16	1
Chloromethane	ND		2.0	0.35	ug/L			10/13/22 16:16	1
Chloroprene	ND		1.0	0.49	ug/L			10/13/22 16:16	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/13/22 16:16	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/13/22 16:16	1
Dibromomethane	ND		2.0	0.41	ug/L			10/13/22 16:16	1
Dichlorodifluoromethane	ND	*1	2.0	0.68	ug/L			10/13/22 16:16	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/13/22 16:16	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/13/22 16:16	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/13/22 16:16	1
Iodomethane	ND		2.0	0.30	ug/L			10/13/22 16:16	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/13/22 16:16	1
Methacrylonitrile	ND		10	0.69	ug/L			10/13/22 16:16	1
Methyl methacrylate	ND		10	0.61	ug/L			10/13/22 16:16	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/13/22 16:16	1
Naphthalene	ND		1.0	0.43	ug/L			10/13/22 16:16	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/13/22 16:16	1
Propionitrile	ND		50	5.8	ug/L			10/13/22 16:16	1

Client Sample ID: MP-404

Date Collected: 10/04/22 13:40
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-22

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/13/22 16:16	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/13/22 16:16	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/13/22 16:16	1
Toluene	ND		2.0	0.51	ug/L			10/13/22 16:16	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/13/22 16:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/13/22 16:16	1
Trichloroethene	ND		2.0	0.46	ug/L			10/13/22 16:16	1
Trichlorofluoromethane	ND	*1	2.0	0.88	ug/L			10/13/22 16:16	1
Vinyl acetate	ND		10	0.85	ug/L			10/13/22 16:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/22 16:16	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/13/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/13/22 16:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/13/22 16:16*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/13/22 16:16*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0078	ug/L		10/11/22 13:38	10/11/22 22:37	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		10/11/22 13:38	10/11/22 22:37	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 18:39	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 18:39	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 18:39	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 18:39	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 18:39	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 18:39	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*19 - 120*	*10/15/22 07:35*	*10/16/22 18:39*	*1*
Tetrachloro-m-xylene	*82*		*39 - 121*	*10/15/22 07:35*	*10/16/22 18:39*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/11/22 01:25	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0014**		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 16:38	1
Barium, Dissolved	**0.40**		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 16:38	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 16:38	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 16:38	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 16:38	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 16:38	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-404

Date Collected: 10/04/22 13:40
Date Received: 10/06/22 10:30

Lab Sample ID: 480-202459-22

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	7.6		1.0	0.43	mg/L			10/18/22 14:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.55				SU			10/04/22 13:40	1
Field Conductivity	1510				umhos/cm			10/04/22 13:40	1
Field Temperature	15.3				Degrees C			10/04/22 13:40	1
Field Turbidity	5.08				NTU			10/04/22 13:40	1
Ground Water Elevation	896.99				ft/msl			10/04/22 13:40	1
Oxidation Reduction Potential	30.9				millivolts			10/04/22 13:40	1
Oxygen, Dissolved	0.43				mg/L			10/04/22 13:40	1
Depth to Water from Top of Casing	15.76				ft			10/04/22 13:40	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-237
Date Collected: 10/05/22 11:45
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 14:09	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 14:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 14:09	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 14:09	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 14:09	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 14:09	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 14:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 14:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 14:09	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 14:09	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 14:09	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 14:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 14:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 14:09	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 14:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 14:09	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 14:09	1
Acetone	ND		10	3.0	ug/L			10/15/22 14:09	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 14:09	1
Acrolein	ND		20	0.91	ug/L			10/15/22 14:09	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 14:09	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 14:09	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 14:09	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 14:09	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 14:09	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 14:09	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 14:09	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 14:09	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 14:09	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 14:09	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 14:09	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 14:09	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 14:09	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 14:09	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 14:09	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 14:09	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 14:09	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 14:09	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 14:09	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 14:09	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 14:09	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 14:09	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 14:09	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 14:09	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 14:09	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 14:09	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 14:09	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 14:09	1

Client Sample ID: MP-237

Date Collected: 10/05/22 11:45
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 14:09	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 14:09	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 14:09	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 14:09	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 14:09	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 14:09	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 14:09	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 14:09	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 14:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 14:09	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 14:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/15/22 14:09*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/15/22 14:09*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 16:55	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 16:55	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 20:40	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 20:40	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 20:40	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 20:40	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 20:40	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 20:40	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*19 - 120*	*10/15/22 07:35*	*10/16/22 20:40*	*1*
Tetrachloro-m-xylene	*80*		*39 - 121*	*10/15/22 07:35*	*10/16/22 20:40*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:22	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00035**	**J**	0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:36	1
Barium, Dissolved	**0.033**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:36	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:36	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:36	1
Silver, Dissolved	**0.000061**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:36	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:36	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-237

Date Collected: 10/05/22 11:45
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-1

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.57	J	1.0	0.43	mg/L			10/19/22 08:02	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.02				SU			10/05/22 11:45	1
Field Conductivity	1031				umhos/cm			10/05/22 11:45	1
Field Temperature	16.0				Degrees C			10/05/22 11:45	1
Field Turbidity	5.25				NTU			10/05/22 11:45	1
Ground Water Elevation	897.54				ft/msl			10/05/22 11:45	1
Oxidation Reduction Potential	-48.2				millivolts			10/05/22 11:45	1
Oxygen, Dissolved	0.27				mg/L			10/05/22 11:45	1
Depth to Water from Top of Casing	16.14				ft			10/05/22 11:45	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-238R
Date Collected: 10/05/22 09:55
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-2
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 14:31	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 14:31	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 14:31	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 14:31	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 14:31	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 14:31	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 14:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 14:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 14:31	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 14:31	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 14:31	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 14:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 14:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 14:31	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 14:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 14:31	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 14:31	1
Acetone	ND		10	3.0	ug/L			10/15/22 14:31	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 14:31	1
Acrolein	ND		20	0.91	ug/L			10/15/22 14:31	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 14:31	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 14:31	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 14:31	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 14:31	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 14:31	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 14:31	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 14:31	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 14:31	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 14:31	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 14:31	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 14:31	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 14:31	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 14:31	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 14:31	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 14:31	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 14:31	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 14:31	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 14:31	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 14:31	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 14:31	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 14:31	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 14:31	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 14:31	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 14:31	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 14:31	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 14:31	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 14:31	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 14:31	1

Client Sample ID: MP-238R

Date Collected: 10/05/22 09:55
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 14:31	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 14:31	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 14:31	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 14:31	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 14:31	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 14:31	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 14:31	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 14:31	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 14:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 14:31	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 14:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/15/22 14:31*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 14:31*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 17:15	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 17:15	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:20	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:20	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:20	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:20	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:20	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 21:20	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*19 - 120*	*10/15/22 07:35*	*10/16/22 21:20*	*1*
Tetrachloro-m-xylene	*89*		*39 - 121*	*10/15/22 07:35*	*10/16/22 21:20*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:26	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00043**	**J**	0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:46	1
Barium, Dissolved	**0.044**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:46	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:46	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:46	1
Silver, Dissolved	**0.000072**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:46	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:46	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-238R

Date Collected: 10/05/22 09:55
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-2

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.2		1.0	0.43	mg/L			10/19/22 08:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.41				SU			10/05/22 09:55	1
Field Conductivity	869				umhos/cm			10/05/22 09:55	1
Field Temperature	16.3				Degrees C			10/05/22 09:55	1
Field Turbidity	0.74				NTU			10/05/22 09:55	1
Ground Water Elevation	898.06				ft/msl			10/05/22 09:55	1
Oxidation Reduction Potential	-12.4				millivolts			10/05/22 09:55	1
Oxygen, Dissolved	0.37				mg/L			10/05/22 09:55	1
Depth to Water from Top of Casing	17.25				ft			10/05/22 09:55	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-235CR
Date Collected: 10/05/22 13:51
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-3
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 14:52	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 14:52	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 14:52	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 14:52	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 14:52	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 14:52	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 14:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 14:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 14:52	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 14:52	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 14:52	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 14:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 14:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 14:52	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 14:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 14:52	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 14:52	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 14:52	1
Acetone	ND		10	3.0	ug/L			10/15/22 14:52	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 14:52	1
Acrolein	ND		20	0.91	ug/L			10/15/22 14:52	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 14:52	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 14:52	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 14:52	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 14:52	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 14:52	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 14:52	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 14:52	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 14:52	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 14:52	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 14:52	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 14:52	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 14:52	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 14:52	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 14:52	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 14:52	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 14:52	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 14:52	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 14:52	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 14:52	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 14:52	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 14:52	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 14:52	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 14:52	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 14:52	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 14:52	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 14:52	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 14:52	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 14:52	1

Client Sample ID: MP-235CR

Lab Sample ID: 480-202504-3

Date Collected: 10/05/22 13:51

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 14:52	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 14:52	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 14:52	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 14:52	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 14:52	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 14:52	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 14:52	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 14:52	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 14:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 14:52	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 14:52*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/15/22 14:52*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/22 14:52*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/12/22 13:38	10/12/22 17:35	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 17:35	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:34	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:34	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:34	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:34	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:34	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 21:34	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*19 - 120*	*10/15/22 07:35*	*10/16/22 21:34*	*1*
Tetrachloro-m-xylene	*80*		*39 - 121*	*10/15/22 07:35*	*10/16/22 21:34*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	**0.0017**	**J**	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:30	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00038**	**J**	0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:48	1
Barium, Dissolved	**0.012**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:48	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:48	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:48	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:48	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-235CR

Lab Sample ID: 480-202504-3

Date Collected: 10/05/22 13:51
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.9		1.0	0.43	mg/L			10/19/22 09:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.83				SU			10/05/22 13:51	1
Field Conductivity	1682				umhos/cm			10/05/22 13:51	1
Field Temperature	11.5				Degrees C			10/05/22 13:51	1
Field Turbidity	0.25				NTU			10/05/22 13:51	1
Ground Water Elevation	903.61				ft/msl			10/05/22 13:51	1
Oxidation Reduction Potential	106.8				millivolts			10/05/22 13:51	1
Oxygen, Dissolved	8.21				mg/L			10/05/22 13:51	1
Depth to Water from Top of Casing	11.05				ft			10/05/22 13:51	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP235BR
Date Collected: 10/05/22 13:01
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/14/22 19:32	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/14/22 19:32	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/14/22 19:32	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/14/22 19:32	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/14/22 19:32	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/14/22 19:32	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/14/22 19:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/14/22 19:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/14/22 19:32	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/14/22 19:32	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/22 19:32	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/14/22 19:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/14/22 19:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/14/22 19:32	1
1,4-Dioxane	ND		40	9.3	ug/L			10/14/22 19:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/22 19:32	1
2-Hexanone	ND		10	1.2	ug/L			10/14/22 19:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/14/22 19:32	1
Acetone	ND		10	3.0	ug/L			10/14/22 19:32	1
Acetonitrile	ND		170	4.9	ug/L			10/14/22 19:32	1
Acrolein	ND		20	0.91	ug/L			10/14/22 19:32	1
Acrylonitrile	ND		20	0.83	ug/L			10/14/22 19:32	1
Allyl chloride	ND		2.0	0.44	ug/L			10/14/22 19:32	1
Benzene	ND		2.0	0.41	ug/L			10/14/22 19:32	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/14/22 19:32	1
Bromoform	ND		2.0	0.26	ug/L			10/14/22 19:32	1
Bromomethane	ND		2.0	0.69	ug/L			10/14/22 19:32	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/14/22 19:32	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/14/22 19:32	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/14/22 19:32	1
Chloroethane	ND		2.0	0.32	ug/L			10/14/22 19:32	1
Chloroform	ND		2.0	0.34	ug/L			10/14/22 19:32	1
Chloromethane	ND		2.0	0.35	ug/L			10/14/22 19:32	1
Chloroprene	ND		1.0	0.49	ug/L			10/14/22 19:32	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/14/22 19:32	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/14/22 19:32	1
Dibromomethane	ND		2.0	0.41	ug/L			10/14/22 19:32	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/14/22 19:32	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/14/22 19:32	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/14/22 19:32	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/14/22 19:32	1
Iodomethane	ND		2.0	0.30	ug/L			10/14/22 19:32	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/14/22 19:32	1
Methacrylonitrile	ND		10	0.69	ug/L			10/14/22 19:32	1
Methyl methacrylate	ND		10	0.61	ug/L			10/14/22 19:32	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/14/22 19:32	1
Naphthalene	ND		1.0	0.43	ug/L			10/14/22 19:32	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/14/22 19:32	1
Propionitrile	ND		50	5.8	ug/L			10/14/22 19:32	1

Client Sample ID: MP235BR

Date Collected: 10/05/22 13:01
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-4

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/14/22 19:32	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/14/22 19:32	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/14/22 19:32	1
Toluene	ND		2.0	0.51	ug/L			10/14/22 19:32	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/14/22 19:32	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/14/22 19:32	1
Trichloroethene	ND		2.0	0.46	ug/L			10/14/22 19:32	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/14/22 19:32	1
Vinyl acetate	ND		10	0.85	ug/L			10/14/22 19:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/22 19:32	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/14/22 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/14/22 19:32*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/14/22 19:32*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/14/22 19:32*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/12/22 13:38	10/12/22 17:55	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 17:55	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:47	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:47	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:47	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:47	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 21:47	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 21:47	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*19 - 120*	*10/15/22 07:35*	*10/16/22 21:47*	*1*
Tetrachloro-m-xylene	*88*		*39 - 121*	*10/15/22 07:35*	*10/16/22 21:47*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:34	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0017**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:50	1
Barium, Dissolved	**0.012**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:50	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:50	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:50	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:50	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:50	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP235BR

Date Collected: 10/05/22 13:01
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-4

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.6		1.0	0.43	mg/L			10/19/22 10:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.02				SU			10/05/22 13:01	1
Field Conductivity	1749				umhos/cm			10/05/22 13:01	1
Field Temperature	16.1				Degrees C			10/05/22 13:01	1
Field Turbidity	0.59				NTU			10/05/22 13:01	1
Ground Water Elevation	899.68				ft/msl			10/05/22 13:01	1
Oxidation Reduction Potential	18.7				millivolts			10/05/22 13:01	1
Oxygen, Dissolved	0.12				mg/L			10/05/22 13:01	1
Depth to Water from Top of Casing	15.16				ft			10/05/22 13:01	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-241R
Date Collected: 10/05/22 08:42
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 15:15	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 15:15	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 15:15	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 15:15	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 15:15	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 15:15	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 15:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 15:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 15:15	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 15:15	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 15:15	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 15:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 15:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 15:15	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 15:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 15:15	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 15:15	1
Acetone	ND		10	3.0	ug/L			10/15/22 15:15	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 15:15	1
Acrolein	ND		20	0.91	ug/L			10/15/22 15:15	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 15:15	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 15:15	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 15:15	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 15:15	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 15:15	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 15:15	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 15:15	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 15:15	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 15:15	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 15:15	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 15:15	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 15:15	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 15:15	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 15:15	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 15:15	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 15:15	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 15:15	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 15:15	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 15:15	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 15:15	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 15:15	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 15:15	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 15:15	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 15:15	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 15:15	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 15:15	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 15:15	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 15:15	1

Client Sample ID: MP-241R

Date Collected: 10/05/22 08:42
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-5

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 15:15	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 15:15	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 15:15	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 15:15	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 15:15	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 15:15	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 15:15	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 15:15	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 15:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 15:15	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/15/22 15:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/15/22 15:15*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 15:15*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 18:15	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/12/22 13:38	10/12/22 18:15	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:00	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:00	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:00	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:00	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:00	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:00	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*19 - 120*	*10/15/22 07:35*	*10/16/22 22:00*	*1*
Tetrachloro-m-xylene	*87*		*39 - 121*	*10/15/22 07:35*	*10/16/22 22:00*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	**0.0081**		0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:38	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0013**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:53	1
Barium, Dissolved	**0.034**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:53	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:53	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:53	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:53	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:53	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-241R

Date Collected: 10/05/22 08:42
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-5

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.92	J	1.0	0.43	mg/L			10/19/22 10:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.66				SU			10/05/22 08:42	1
Field Conductivity	810				umhos/cm			10/05/22 08:42	1
Field Temperature	14.1				Degrees C			10/05/22 08:42	1
Field Turbidity	4.58				NTU			10/05/22 08:42	1
Ground Water Elevation	897.51				ft/msl			10/05/22 08:42	1
Oxidation Reduction Potential	6.85				millivolts			10/05/22 08:42	1
Oxygen, Dissolved	0.09				mg/L			10/05/22 08:42	1
Depth to Water from Top of Casing	16.06				ft			10/05/22 08:42	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-228R
Date Collected: 10/05/22 18:36
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-6
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 15:36	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 15:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 15:36	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 15:36	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 15:36	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 15:36	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 15:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 15:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 15:36	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 15:36	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 15:36	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 15:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 15:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 15:36	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 15:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 15:36	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 15:36	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 15:36	1
Acetone	ND		10	3.0	ug/L			10/15/22 15:36	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 15:36	1
Acrolein	ND		20	0.91	ug/L			10/15/22 15:36	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 15:36	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 15:36	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 15:36	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 15:36	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 15:36	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 15:36	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 15:36	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 15:36	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 15:36	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 15:36	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 15:36	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 15:36	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 15:36	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 15:36	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 15:36	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 15:36	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 15:36	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 15:36	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 15:36	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 15:36	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 15:36	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 15:36	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 15:36	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 15:36	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 15:36	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 15:36	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 15:36	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 15:36	1

Client Sample ID: MP-228R

Date Collected: 10/05/22 18:36
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-6

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 15:36	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 15:36	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 15:36	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 15:36	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 15:36	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 15:36	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 15:36	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 15:36	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 15:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 15:36	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 15:36*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/15/22 15:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/22 15:36*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 18:35	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 18:35	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:14	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:14	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:14	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:14	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:14	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:14	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*10/15/22 07:35*	*10/16/22 22:14*	*1*
Tetrachloro-m-xylene	*86*		*39 - 121*	*10/15/22 07:35*	*10/16/22 22:14*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:42	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0043**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:55	1
Barium, Dissolved	**0.064**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:55	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:55	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:55	1
Silver, Dissolved	**0.000076**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:55	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:55	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-228R

Date Collected: 10/05/22 18:36
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-6

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.3		1.0	0.43	mg/L			10/19/22 11:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.51				SU			10/05/22 18:36	1
Field Conductivity	1812				umhos/cm			10/05/22 18:36	1
Field Temperature	15.2				Degrees C			10/05/22 18:36	1
Field Turbidity	3.73				NTU			10/05/22 18:36	1
Ground Water Elevation	897.65				ft/msl			10/05/22 18:36	1
Oxidation Reduction Potential	-18.8				millivolts			10/05/22 18:36	1
Oxygen, Dissolved	0.28				mg/L			10/05/22 18:36	1
Depth to Water from Top of Casing	13.76				ft			10/05/22 18:36	1

Client Sample ID: MP-228AR

Lab Sample ID: 480-202504-7

Date Collected: 10/05/22 18:11

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 15:58	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 15:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 15:58	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 15:58	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 15:58	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 15:58	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 15:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 15:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 15:58	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 15:58	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 15:58	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 15:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 15:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 15:58	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 15:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 15:58	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 15:58	1
Acetone	ND		10	3.0	ug/L			10/15/22 15:58	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 15:58	1
Acrolein	ND		20	0.91	ug/L			10/15/22 15:58	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 15:58	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 15:58	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 15:58	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 15:58	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 15:58	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 15:58	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 15:58	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 15:58	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 15:58	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 15:58	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 15:58	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 15:58	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 15:58	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 15:58	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 15:58	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 15:58	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 15:58	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 15:58	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 15:58	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 15:58	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 15:58	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 15:58	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 15:58	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 15:58	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 15:58	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 15:58	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 15:58	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 15:58	1

Client Sample ID: MP-228AR

Date Collected: 10/05/22 18:11
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 15:58	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 15:58	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 15:58	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 15:58	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 15:58	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 15:58	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 15:58	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 15:58	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 15:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 15:58	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 15:58*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/15/22 15:58*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 15:58*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 18:55	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/12/22 13:38	10/12/22 18:55	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:27	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:27	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:27	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:27	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:27	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:27	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*19 - 120*	*10/15/22 07:35*	*10/16/22 22:27*	*1*
Tetrachloro-m-xylene	*79*		*39 - 121*	*10/15/22 07:35*	*10/16/22 22:27*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:57	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0030**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:57	1
Barium, Dissolved	**0.030**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:57	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:57	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:57	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:57	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:57	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-228AR

Lab Sample ID: 480-202504-7

Date Collected: 10/05/22 18:11
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.8		1.0	0.43	mg/L			10/19/22 11:48	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.06				SU			10/05/22 18:11	1
Field Conductivity	1154				umhos/cm			10/05/22 18:11	1
Field Temperature	19.7				Degrees C			10/05/22 18:11	1
Field Turbidity	1.12				NTU			10/05/22 18:11	1
Ground Water Elevation	896.32				ft/msl			10/05/22 18:11	1
Oxidation Reduction Potential	-31.8				millivolts			10/05/22 18:11	1
Oxygen, Dissolved	0.03				mg/L			10/05/22 18:11	1
Depth to Water from Top of Casing	15.32				ft			10/05/22 18:11	1

Client Sample ID: MP-233R

Lab Sample ID: 480-202504-8

Date Collected: 10/05/22 15:52

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 16:20	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 16:20	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 16:20	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 16:20	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 16:20	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 16:20	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 16:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 16:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 16:20	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 16:20	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 16:20	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 16:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 16:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 16:20	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 16:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 16:20	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 16:20	1
Acetone	ND		10	3.0	ug/L			10/15/22 16:20	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 16:20	1
Acrolein	ND		20	0.91	ug/L			10/15/22 16:20	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 16:20	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 16:20	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 16:20	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 16:20	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 16:20	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 16:20	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 16:20	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 16:20	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 16:20	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 16:20	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 16:20	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 16:20	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 16:20	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 16:20	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 16:20	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 16:20	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 16:20	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 16:20	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 16:20	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 16:20	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 16:20	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 16:20	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 16:20	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 16:20	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 16:20	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 16:20	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 16:20	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 16:20	1

Client Sample ID: MP-233R

Date Collected: 10/05/22 15:52
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-8

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 16:20	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 16:20	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 16:20	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 16:20	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 16:20	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 16:20	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 16:20	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 16:20	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 16:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 16:20	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/15/22 16:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/15/22 16:20*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/22 16:20*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 19:35	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 19:35	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:41	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:41	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:41	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:41	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 22:41	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:41	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*19 - 120*	*10/15/22 07:35*	*10/16/22 22:41*	*1*
Tetrachloro-m-xylene	*82*		*39 - 121*	*10/15/22 07:35*	*10/16/22 22:41*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:01	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0019**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:00	1
Barium, Dissolved	**0.43**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:00	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:00	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:00	1
Silver, Dissolved	**0.000055**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:00	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:00	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-233R

Date Collected: 10/05/22 15:52
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-8

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	7.1		1.0	0.43	mg/L			10/19/22 12:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.49				SU			10/05/22 15:52	1
Field Conductivity	1932				umhos/cm			10/05/22 15:52	1
Field Temperature	18.2				Degrees C			10/05/22 15:52	1
Field Turbidity	3.32				NTU			10/05/22 15:52	1
Ground Water Elevation	895.92				ft/msl			10/05/22 15:52	1
Oxidation Reduction Potential	-143.4				millivolts			10/05/22 15:52	1
Oxygen, Dissolved	0.07				mg/L			10/05/22 15:52	1
Depth to Water from Top of Casing	11.08				ft			10/05/22 15:52	1

Client Sample ID: MP-232A

Lab Sample ID: 480-202504-9

Date Collected: 10/05/22 15:23

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 16:42	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 16:42	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 16:42	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 16:42	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 16:42	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 16:42	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 16:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 16:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 16:42	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 16:42	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 16:42	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 16:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 16:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 16:42	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 16:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 16:42	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 16:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 16:42	1
Acetone	ND		10	3.0	ug/L			10/15/22 16:42	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 16:42	1
Acrolein	ND		20	0.91	ug/L			10/15/22 16:42	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 16:42	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 16:42	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 16:42	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 16:42	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 16:42	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 16:42	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 16:42	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 16:42	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 16:42	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 16:42	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 16:42	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 16:42	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 16:42	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 16:42	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 16:42	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 16:42	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 16:42	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 16:42	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 16:42	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 16:42	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 16:42	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 16:42	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 16:42	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 16:42	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 16:42	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 16:42	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 16:42	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 16:42	1

Client Sample ID: MP-232A

Date Collected: 10/05/22 15:23
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-9

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 16:42	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 16:42	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 16:42	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 16:42	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 16:42	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 16:42	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 16:42	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 16:42	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 16:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 16:42	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 16:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/15/22 16:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 16:42*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 19:55	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 19:55	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:26	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:26	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:26	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:26	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:26	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:26	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 120*	*10/16/22 09:53*	*10/17/22 18:26*	*1*
Tetrachloro-m-xylene	*69*		*39 - 121*	*10/16/22 09:53*	*10/17/22 18:26*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:05	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0078**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:02	1
Barium, Dissolved	**0.027**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:02	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:02	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:02	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:02	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:02	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-232A

Date Collected: 10/05/22 15:23
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-9

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.6		1.0	0.43	mg/L			10/19/22 14:41	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.99				SU			10/05/22 15:23	1
Field Conductivity	1336				umhos/cm			10/05/22 15:23	1
Field Temperature	15.5				Degrees C			10/05/22 15:23	1
Field Turbidity	0.02				NTU			10/05/22 15:23	1
Ground Water Elevation	894.44				ft/msl			10/05/22 15:23	1
Oxidation Reduction Potential	-1.8				millivolts			10/05/22 15:23	1
Oxygen, Dissolved	0.16				mg/L			10/05/22 15:23	1
Depth to Water from Top of Casing	15.31				ft			10/05/22 15:23	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-235R
Date Collected: 10/05/22 14:49
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-10
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 17:03	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 17:03	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 17:03	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 17:03	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 17:03	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 17:03	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 17:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 17:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 17:03	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 17:03	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 17:03	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 17:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 17:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 17:03	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 17:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 17:03	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 17:03	1
Acetone	ND		10	3.0	ug/L			10/15/22 17:03	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 17:03	1
Acrolein	ND		20	0.91	ug/L			10/15/22 17:03	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 17:03	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 17:03	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 17:03	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 17:03	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 17:03	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 17:03	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 17:03	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 17:03	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 17:03	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 17:03	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 17:03	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 17:03	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 17:03	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 17:03	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 17:03	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 17:03	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 17:03	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 17:03	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 17:03	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 17:03	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 17:03	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 17:03	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 17:03	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 17:03	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 17:03	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 17:03	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 17:03	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 17:03	1

Client Sample ID: MP-235R

Date Collected: 10/05/22 14:49
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-10

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 17:03	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 17:03	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 17:03	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 17:03	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 17:03	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 17:03	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 17:03	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 17:03	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 17:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 17:03	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/15/22 17:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/15/22 17:03*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 17:03*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 20:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 20:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:39	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:39	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:39	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:39	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:39	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:39	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 120*	*10/16/22 09:53*	*10/17/22 18:39*	*1*
Tetrachloro-m-xylene	*72*		*39 - 121*	*10/16/22 09:53*	*10/17/22 18:39*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	**0.0037**	**J**	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 20:39	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00073**	**J**	0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:04	1
Barium, Dissolved	**0.041**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:04	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:04	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:04	1
Silver, Dissolved	**0.000068**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:04	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:04	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-235R

Date Collected: 10/05/22 14:49
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-10

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.61	J	1.0	0.43	mg/L			10/19/22 15:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.34				SU			10/05/22 14:49	1
Field Conductivity	1653				umhos/cm			10/05/22 14:49	1
Field Temperature	15.8				Degrees C			10/05/22 14:49	1
Field Turbidity	0.39				NTU			10/05/22 14:49	1
Ground Water Elevation	897.19				ft/msl			10/05/22 14:49	1
Oxidation Reduction Potential	-18.3				millivolts			10/05/22 14:49	1
Oxygen, Dissolved	0.62				mg/L			10/05/22 14:49	1
Depth to Water from Top of Casing	17.65				ft			10/05/22 14:49	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-251A
Date Collected: 10/05/22 14:52
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-11
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 17:26	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 17:26	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 17:26	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 17:26	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 17:26	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 17:26	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 17:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 17:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 17:26	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 17:26	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 17:26	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 17:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 17:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 17:26	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 17:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 17:26	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 17:26	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 17:26	1
Acetone	ND		10	3.0	ug/L			10/15/22 17:26	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 17:26	1
Acrolein	ND		20	0.91	ug/L			10/15/22 17:26	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 17:26	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 17:26	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 17:26	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 17:26	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 17:26	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 17:26	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 17:26	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 17:26	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 17:26	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 17:26	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 17:26	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 17:26	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 17:26	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 17:26	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 17:26	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 17:26	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 17:26	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 17:26	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 17:26	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 17:26	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 17:26	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 17:26	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 17:26	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 17:26	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 17:26	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 17:26	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 17:26	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 17:26	1

Client Sample ID: MP-251A

Lab Sample ID: 480-202504-11

Date Collected: 10/05/22 14:52

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 17:26	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 17:26	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 17:26	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 17:26	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 17:26	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 17:26	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 17:26	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 17:26	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 17:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 17:26	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/15/22 17:26*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/15/22 17:26*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 17:26*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 20:34	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 20:34	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:52	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:52	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:52	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:52	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:52	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:52	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*19 - 120*	*10/16/22 09:53*	*10/17/22 18:52*	*1*
Tetrachloro-m-xylene	*76*		*39 - 121*	*10/16/22 09:53*	*10/17/22 18:52*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:13	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0040**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:07	1
Barium, Dissolved	**0.11**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:07	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:07	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:07	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:07	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:07	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-251A

Date Collected: 10/05/22 14:52
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-11

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.5		1.0	0.43	mg/L			10/19/22 16:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.69				SU			10/05/22 14:52	1
Field Conductivity	843				umhos/cm			10/05/22 14:52	1
Field Temperature	18.1				Degrees C			10/05/22 14:52	1
Field Turbidity	5.19				NTU			10/05/22 14:52	1
Ground Water Elevation	906.56				ft/msl			10/05/22 14:52	1
Oxidation Reduction Potential	-230.6				millivolts			10/05/22 14:52	1
Oxygen, Dissolved	0.10				mg/L			10/05/22 14:52	1
Depth to Water from Top of Casing	4.98				ft			10/05/22 14:52	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-210AR
Date Collected: 10/05/22 08:28
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-12
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 17:48	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 17:48	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 17:48	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 17:48	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 17:48	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 17:48	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 17:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 17:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 17:48	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 17:48	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 17:48	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 17:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 17:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 17:48	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 17:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 17:48	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 17:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 17:48	1
Acetone	ND		10	3.0	ug/L			10/15/22 17:48	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 17:48	1
Acrolein	ND		20	0.91	ug/L			10/15/22 17:48	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 17:48	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 17:48	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 17:48	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 17:48	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 17:48	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 17:48	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 17:48	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 17:48	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 17:48	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 17:48	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 17:48	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 17:48	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 17:48	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 17:48	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 17:48	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 17:48	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 17:48	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 17:48	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 17:48	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 17:48	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 17:48	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 17:48	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 17:48	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 17:48	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 17:48	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 17:48	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 17:48	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 17:48	1

Client Sample ID: MP-210AR

Lab Sample ID: 480-202504-12

Date Collected: 10/05/22 08:28

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 17:48	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 17:48	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 17:48	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 17:48	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 17:48	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 17:48	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 17:48	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 17:48	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 17:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 17:48	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/15/22 17:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/15/22 17:48*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 17:48*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 20:54	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 20:54	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:06	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:06	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:06	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:06	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:06	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:06	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*19 - 120*	*10/16/22 09:53*	*10/17/22 19:06*	*1*
Tetrachloro-m-xylene	*70*		*39 - 121*	*10/16/22 09:53*	*10/17/22 19:06*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:17	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0020**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:16	1
Barium, Dissolved	**0.056**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:16	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:16	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:16	1
Silver, Dissolved	**0.000043**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:16	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:16	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-210AR

Lab Sample ID: 480-202504-12

Date Collected: 10/05/22 08:28
Date Received: 10/07/22 10:00

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.6		1.0	0.43	mg/L			10/19/22 17:03	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.14				SU			10/05/22 08:28	1
Field Conductivity	890				umhos/cm			10/05/22 08:28	1
Field Temperature	13.3				Degrees C			10/05/22 08:28	1
Field Turbidity	3.33				NTU			10/05/22 08:28	1
Ground Water Elevation	907.34				ft/msl			10/05/22 08:28	1
Oxidation Reduction Potential	75.6				millivolts			10/05/22 08:28	1
Oxygen, Dissolved	2.42				mg/L			10/05/22 08:28	1
Depth to Water from Top of Casing	5.49				ft			10/05/22 08:28	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-405A
Date Collected: 10/05/22 09:42
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-13
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 18:10	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 18:10	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 18:10	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 18:10	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 18:10	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 18:10	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 18:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 18:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 18:10	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 18:10	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 18:10	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 18:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 18:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 18:10	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 18:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 18:10	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 18:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 18:10	1
Acetone	ND		10	3.0	ug/L			10/15/22 18:10	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 18:10	1
Acrolein	ND		20	0.91	ug/L			10/15/22 18:10	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 18:10	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 18:10	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 18:10	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 18:10	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 18:10	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 18:10	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 18:10	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 18:10	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 18:10	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 18:10	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 18:10	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 18:10	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 18:10	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 18:10	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 18:10	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 18:10	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 18:10	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 18:10	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 18:10	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 18:10	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 18:10	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 18:10	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 18:10	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 18:10	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 18:10	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 18:10	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 18:10	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 18:10	1

Client Sample ID: MP-405A

Date Collected: 10/05/22 09:42
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-13

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 18:10	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 18:10	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 18:10	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 18:10	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 18:10	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 18:10	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 18:10	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 18:10	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 18:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 18:10	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 18:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/15/22 18:10*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/22 18:10*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/12/22 13:38	10/12/22 21:14	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/12/22 13:38	10/12/22 21:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:19	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:19	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:19	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:19	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:19	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:19	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*19 - 120*	*10/16/22 09:53*	*10/17/22 19:19*	*1*
Tetrachloro-m-xylene	*69*		*39 - 121*	*10/16/22 09:53*	*10/17/22 19:19*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:21	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:22	1
Barium, Dissolved	**0.015**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:22	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:22	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:22	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:22	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:22	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-405A

Lab Sample ID: 480-202504-13

Date Collected: 10/05/22 09:42
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.6		1.0	0.43	mg/L			10/19/22 17:32	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.96				SU			10/05/22 09:42	1
Field Conductivity	1725				umhos/cm			10/05/22 09:42	1
Field Temperature	15.7				Degrees C			10/05/22 09:42	1
Field Turbidity	8.42				NTU			10/05/22 09:42	1
Ground Water Elevation	901.66				ft/msl			10/05/22 09:42	1
Oxidation Reduction Potential	69.7				millivolts			10/05/22 09:42	1
Oxygen, Dissolved	0.72				mg/L			10/05/22 09:42	1
Depth to Water from Top of Casing	9.36				ft			10/05/22 09:42	1

Client Sample ID: MP-279

Lab Sample ID: 480-202504-14

Date Collected: 10/05/22 11:04

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 18:32	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 18:32	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 18:32	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 18:32	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 18:32	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 18:32	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 18:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 18:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 18:32	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 18:32	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 18:32	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 18:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 18:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 18:32	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 18:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 18:32	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 18:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 18:32	1
Acetone	ND		10	3.0	ug/L			10/15/22 18:32	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 18:32	1
Acrolein	ND		20	0.91	ug/L			10/15/22 18:32	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 18:32	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 18:32	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 18:32	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 18:32	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 18:32	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 18:32	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 18:32	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 18:32	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 18:32	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 18:32	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 18:32	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 18:32	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 18:32	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 18:32	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 18:32	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 18:32	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 18:32	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 18:32	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 18:32	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 18:32	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 18:32	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 18:32	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 18:32	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 18:32	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 18:32	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 18:32	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 18:32	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 18:32	1

Client Sample ID: MP-279

Date Collected: 10/05/22 11:04
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-14

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 18:32	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 18:32	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 18:32	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 18:32	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 18:32	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 18:32	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 18:32	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 18:32	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 18:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 18:32	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/15/22 18:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/15/22 18:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/15/22 18:32*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/12/22 13:38	10/12/22 21:34	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		10/12/22 13:38	10/12/22 21:34	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:32	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:32	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:32	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:32	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:32	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:32	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*19 - 120*	*10/16/22 09:53*	*10/17/22 19:32*	*1*
Tetrachloro-m-xylene	*71*		*39 - 121*	*10/16/22 09:53*	*10/17/22 19:32*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:25	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00083**	**J**	0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:24	1
Barium, Dissolved	**1.3**		0.020	0.0030	mg/L		10/12/22 14:43	10/14/22 14:08	20
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:24	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:24	1
Silver, Dissolved	**0.00015**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:24	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:24	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-279

Date Collected: 10/05/22 11:04
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-14

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.6		1.0	0.43	mg/L			10/19/22 18:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.03				SU			10/05/22 11:04	1
Field Conductivity	8178				umhos/cm			10/05/22 11:04	1
Field Temperature	16.1				Degrees C			10/05/22 11:04	1
Field Turbidity	5.32				NTU			10/05/22 11:04	1
Ground Water Elevation	900.57				ft/msl			10/05/22 11:04	1
Oxidation Reduction Potential	-122.5				millivolts			10/05/22 11:04	1
Oxygen, Dissolved	0.09				mg/L			10/05/22 11:04	1
Depth to Water from Top of Casing	9.79				ft			10/05/22 11:04	1

Client Sample ID: MP-211BR

Lab Sample ID: 480-202504-15

Date Collected: 10/05/22 12:33

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 18:54	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 18:54	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 18:54	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 18:54	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 18:54	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 18:54	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 18:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 18:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 18:54	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 18:54	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 18:54	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 18:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 18:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 18:54	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 18:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 18:54	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 18:54	1
Acetone	ND		10	3.0	ug/L			10/15/22 18:54	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 18:54	1
Acrolein	ND		20	0.91	ug/L			10/15/22 18:54	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 18:54	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 18:54	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 18:54	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 18:54	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 18:54	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 18:54	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 18:54	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 18:54	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 18:54	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 18:54	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 18:54	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 18:54	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 18:54	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 18:54	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 18:54	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 18:54	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 18:54	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 18:54	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 18:54	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 18:54	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 18:54	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 18:54	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 18:54	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 18:54	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 18:54	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 18:54	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 18:54	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 18:54	1

Client Sample ID: MP-211BR

Lab Sample ID: 480-202504-15

Date Collected: 10/05/22 12:33

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 18:54	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 18:54	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 18:54	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 18:54	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 18:54	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 18:54	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 18:54	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 18:54	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 18:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 18:54	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/15/22 18:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/15/22 18:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 18:54*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/12/22 13:38	10/12/22 21:54	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 13:38	10/12/22 21:54	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:46	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:46	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:46	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:46	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:46	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:46	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*10/16/22 09:53*	*10/17/22 19:46*	*1*
Tetrachloro-m-xylene	*70*		*39 - 121*	*10/16/22 09:53*	*10/17/22 19:46*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:29	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00028**	**J**	0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:27	1
Barium, Dissolved	**0.040**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:27	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:27	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:27	1
Silver, Dissolved	**0.000039**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:27	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:27	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-211BR

Lab Sample ID: 480-202504-15

Date Collected: 10/05/22 12:33
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.4		1.0	0.43	mg/L			10/19/22 19:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.14				SU			10/05/22 12:33	1
Field Conductivity	957				umhos/cm			10/05/22 12:33	1
Field Temperature	18.9				Degrees C			10/05/22 12:33	1
Field Turbidity	2.86				NTU			10/05/22 12:33	1
Ground Water Elevation	903.84				ft/msl			10/05/22 12:33	1
Oxidation Reduction Potential	63.4				millivolts			10/05/22 12:33	1
Oxygen, Dissolved	0.22				mg/L			10/05/22 12:33	1
Depth to Water from Top of Casing	7.25				ft			10/05/22 12:33	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-402A
Date Collected: 10/05/22 14:34
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-16
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 19:16	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 19:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 19:16	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 19:16	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 19:16	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 19:16	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 19:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 19:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 19:16	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 19:16	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 19:16	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 19:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 19:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 19:16	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 19:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 19:16	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 19:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 19:16	1
Acetone	ND		10	3.0	ug/L			10/15/22 19:16	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 19:16	1
Acrolein	ND		20	0.91	ug/L			10/15/22 19:16	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 19:16	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 19:16	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 19:16	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 19:16	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 19:16	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 19:16	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 19:16	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 19:16	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 19:16	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 19:16	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 19:16	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 19:16	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 19:16	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 19:16	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 19:16	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 19:16	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 19:16	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 19:16	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 19:16	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 19:16	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 19:16	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 19:16	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 19:16	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 19:16	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 19:16	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 19:16	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 19:16	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 19:16	1

Client Sample ID: MP-402A

Date Collected: 10/05/22 14:34
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-16

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 19:16	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 19:16	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 19:16	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 19:16	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 19:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 19:16	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 19:16	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 19:16	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 19:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 19:16	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/15/22 19:16*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/15/22 19:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/15/22 19:16*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/12/22 23:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 15:08	10/12/22 23:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:59	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:59	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:59	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:59	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 19:59	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:59	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*10/16/22 09:53*	*10/17/22 19:59*	*1*
Tetrachloro-m-xylene	*71*		*39 - 121*	*10/16/22 09:53*	*10/17/22 19:59*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 01:44	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0095**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:29	1
Barium, Dissolved	**0.060**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:29	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:29	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:29	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:29	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:29	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-402A

Date Collected: 10/05/22 14:34
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-16

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	4.8		1.0	0.43	mg/L			10/19/22 20:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.71				SU			10/05/22 14:34	1
Field Conductivity	1253				umhos/cm			10/05/22 14:34	1
Field Temperature	16.5				Degrees C			10/05/22 14:34	1
Field Turbidity	0.02				NTU			10/05/22 14:34	1
Ground Water Elevation	903.92				ft/msl			10/05/22 14:34	1
Oxidation Reduction Potential	-65.0				millivolts			10/05/22 14:34	1
Oxygen, Dissolved	0.12				mg/L			10/05/22 14:34	1
Depth to Water from Top of Casing	4.50				ft			10/05/22 14:34	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-206AR
Date Collected: 10/05/22 13:36
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-17
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 19:38	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 19:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 19:38	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 19:38	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 19:38	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 19:38	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 19:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 19:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 19:38	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 19:38	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 19:38	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 19:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 19:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 19:38	1
1,4-Dioxane	ND	*+ F1	40	9.3	ug/L			10/15/22 19:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 19:38	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 19:38	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 19:38	1
Acetone	ND		10	3.0	ug/L			10/15/22 19:38	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 19:38	1
Acrolein	ND		20	0.91	ug/L			10/15/22 19:38	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 19:38	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 19:38	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 19:38	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 19:38	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 19:38	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 19:38	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 19:38	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 19:38	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 19:38	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 19:38	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 19:38	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 19:38	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 19:38	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 19:38	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 19:38	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 19:38	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 19:38	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 19:38	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 19:38	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 19:38	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 19:38	1
Isobutyl alcohol	ND	*+ F1	1000	4.8	ug/L			10/15/22 19:38	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 19:38	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 19:38	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 19:38	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 19:38	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 19:38	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 19:38	1

Client Sample ID: MP-206AR

Lab Sample ID: 480-202504-17

Date Collected: 10/05/22 13:36
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 19:38	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 19:38	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 19:38	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 19:38	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 19:38	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 19:38	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 19:38	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 19:38	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 19:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 19:38	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/15/22 19:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/15/22 19:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/22 19:38*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/12/22 15:08	10/12/22 23:34	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/12/22 15:08	10/12/22 23:34	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:12	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:12	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:12	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:12	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 18:12	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:12	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 120*	*10/16/22 09:53*	*10/17/22 18:12*	*1*
Tetrachloro-m-xylene	*67*		*39 - 121*	*10/16/22 09:53*	*10/17/22 18:12*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	**0.0011**	**J**	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 20:55	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00071**	**J**	0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:31	1
Barium, Dissolved	**0.0082**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:31	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:31	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:31	1
Silver, Dissolved	**0.000039**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:31	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:31	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-206AR

Lab Sample ID: 480-202504-17

Date Collected: 10/05/22 13:36
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.6		1.0	0.43	mg/L			10/19/22 05:10	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.74				SU			10/05/22 13:36	1
Field Conductivity	2832				umhos/cm			10/05/22 13:36	1
Field Temperature	16.1				Degrees C			10/05/22 13:36	1
Field Turbidity	3.92				NTU			10/05/22 13:36	1
Ground Water Elevation	906.79				ft/msl			10/05/22 13:36	1
Oxidation Reduction Potential	32.2				millivolts			10/05/22 13:36	1
Oxygen, Dissolved	0.07				mg/L			10/05/22 13:36	1
Depth to Water from Top of Casing	9.94				ft			10/05/22 13:36	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-230A
Date Collected: 10/05/22 15:52
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-18
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 23:40	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 23:40	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 23:40	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 23:40	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 23:40	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 23:40	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 23:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 23:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 23:40	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 23:40	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 23:40	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 23:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 23:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 23:40	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/15/22 23:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 23:40	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 23:40	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 23:40	1
Acetone	ND		10	3.0	ug/L			10/15/22 23:40	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 23:40	1
Acrolein	ND		20	0.91	ug/L			10/15/22 23:40	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 23:40	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 23:40	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 23:40	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 23:40	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 23:40	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 23:40	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 23:40	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 23:40	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 23:40	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 23:40	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 23:40	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 23:40	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 23:40	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 23:40	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 23:40	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 23:40	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 23:40	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 23:40	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 23:40	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 23:40	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 23:40	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/15/22 23:40	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 23:40	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 23:40	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 23:40	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 23:40	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 23:40	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 23:40	1

Client Sample ID: MP-230A

Date Collected: 10/05/22 15:52
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-18

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/15/22 23:40	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 23:40	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 23:40	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 23:40	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 23:40	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 23:40	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 23:40	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 23:40	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 23:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 23:40	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/15/22 23:40*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/15/22 23:40*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/15/22 23:40*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/13/22 00:34	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 15:08	10/13/22 00:34	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:13	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:13	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:13	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:13	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:13	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:13	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*19 - 120*	*10/16/22 09:53*	*10/17/22 20:13*	*1*
Tetrachloro-m-xylene	*68*		*39 - 121*	*10/16/22 09:53*	*10/17/22 20:13*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 02:08	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.010**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:50	1
Barium, Dissolved	**0.032**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:50	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:50	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:50	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:50	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:50	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-230A

Date Collected: 10/05/22 15:52
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-18

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.8		1.0	0.43	mg/L			10/19/22 05:39	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.14				SU			10/05/22 15:52	1
Field Conductivity	1132				umhos/cm			10/05/22 15:52	1
Field Temperature	16.6				Degrees C			10/05/22 15:52	1
Field Turbidity	5.19				NTU			10/05/22 15:52	1
Ground Water Elevation	894.84				ft/msl			10/05/22 15:52	1
Oxidation Reduction Potential	-69.9				millivolts			10/05/22 15:52	1
Oxygen, Dissolved	0.26				mg/L			10/05/22 15:52	1
Depth to Water from Top of Casing	13.91				ft			10/05/22 15:52	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-234R
Date Collected: 10/05/22 10:27
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-19
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 00:02	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 00:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 00:02	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 00:02	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 00:02	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 00:02	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 00:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 00:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 00:02	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 00:02	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 00:02	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 00:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 00:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 00:02	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 00:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 00:02	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 00:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 00:02	1
Acetone	ND		10	3.0	ug/L			10/16/22 00:02	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 00:02	1
Acrolein	ND		20	0.91	ug/L			10/16/22 00:02	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 00:02	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 00:02	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 00:02	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 00:02	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 00:02	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 00:02	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 00:02	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 00:02	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 00:02	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 00:02	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 00:02	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 00:02	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 00:02	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 00:02	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 00:02	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 00:02	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 00:02	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 00:02	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 00:02	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 00:02	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 00:02	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 00:02	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 00:02	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 00:02	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 00:02	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 00:02	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 00:02	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 00:02	1

Client Sample ID: MP-234R

Lab Sample ID: 480-202504-19

Date Collected: 10/05/22 10:27
Date Received: 10/07/22 10:00

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 00:02	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 00:02	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 00:02	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 00:02	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 00:02	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 00:02	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 00:02	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 00:02	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 00:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 00:02	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/16/22 00:02*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/16/22 00:02*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/22 00:02*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0074	ug/L		10/12/22 15:08	10/13/22 00:54	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/12/22 15:08	10/13/22 00:54	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:26	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:26	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:26	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:26	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:26	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:26	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*19 - 120*	*10/16/22 09:53*	*10/17/22 20:26*	*1*
Tetrachloro-m-xylene	*75*		*39 - 121*	*10/16/22 09:53*	*10/17/22 20:26*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 02:12	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:52	1
Barium, Dissolved	**0.050**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:52	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:52	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:52	1
Silver, Dissolved	**0.00014**	**J**	0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:52	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:52	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-234R

Date Collected: 10/05/22 10:27
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-19

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.48	J	1.0	0.43	mg/L			10/19/22 06:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.05				SU			10/05/22 10:27	1
Field Conductivity	4228				umhos/cm			10/05/22 10:27	1
Field Temperature	15.5				Degrees C			10/05/22 10:27	1
Field Turbidity	0.02				NTU			10/05/22 10:27	1
Ground Water Elevation	897.93				ft/msl			10/05/22 10:27	1
Oxidation Reduction Potential	23.6				millivolts			10/05/22 10:27	1
Oxygen, Dissolved	1.32				mg/L			10/05/22 10:27	1
Depth to Water from Top of Casing	13.95				ft			10/05/22 10:27	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-234AR
Date Collected: 10/05/22 10:24
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-20
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 00:24	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 00:24	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 00:24	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 00:24	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 00:24	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 00:24	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 00:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 00:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 00:24	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 00:24	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 00:24	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 00:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 00:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 00:24	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 00:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 00:24	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 00:24	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 00:24	1
Acetone	ND		10	3.0	ug/L			10/16/22 00:24	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 00:24	1
Acrolein	ND		20	0.91	ug/L			10/16/22 00:24	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 00:24	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 00:24	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 00:24	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 00:24	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 00:24	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 00:24	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 00:24	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 00:24	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 00:24	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 00:24	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 00:24	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 00:24	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 00:24	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 00:24	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 00:24	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 00:24	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 00:24	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 00:24	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 00:24	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 00:24	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 00:24	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 00:24	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 00:24	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 00:24	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 00:24	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 00:24	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 00:24	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 00:24	1

Client Sample ID: MP-234AR

Lab Sample ID: 480-202504-20

Date Collected: 10/05/22 10:24

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 00:24	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 00:24	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 00:24	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 00:24	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 00:24	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 00:24	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 00:24	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 00:24	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 00:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 00:24	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/16/22 00:24*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/16/22 00:24*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/22 00:24*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/13/22 01:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/12/22 15:08	10/13/22 01:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:39	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:39	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:39	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:39	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:39	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:39	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*19 - 120*	*10/16/22 09:53*	*10/17/22 20:39*	*1*
Tetrachloro-m-xylene	*71*		*39 - 121*	*10/16/22 09:53*	*10/17/22 20:39*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 02:16	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0053**		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 15:54	1
Barium, Dissolved	**0.0099**		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 15:54	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 15:54	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 15:54	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 15:54	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 15:54	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-234AR

Lab Sample ID: 480-202504-20

Date Collected: 10/05/22 10:24
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.9		1.0	0.43	mg/L			10/19/22 06:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.80				SU			10/05/22 10:24	1
Field Conductivity	2598				umhos/cm			10/05/22 10:24	1
Field Temperature	15.0				Degrees C			10/05/22 10:24	1
Field Turbidity	0.02				NTU			10/05/22 10:24	1
Ground Water Elevation	903.54				ft/msl			10/05/22 10:24	1
Oxidation Reduction Potential	73.5				millivolts			10/05/22 10:24	1
Oxygen, Dissolved	3.55				mg/L			10/05/22 10:24	1
Depth to Water from Top of Casing	7.36				ft			10/05/22 10:24	1

Client Sample ID: MP-281
Date Collected: 10/05/22 11:35
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-21
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 00:46	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 00:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 00:46	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 00:46	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 00:46	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 00:46	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 00:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 00:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 00:46	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 00:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 00:46	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 00:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 00:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 00:46	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 00:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 00:46	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 00:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 00:46	1
Acetone	ND		10	3.0	ug/L			10/16/22 00:46	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 00:46	1
Acrolein	ND		20	0.91	ug/L			10/16/22 00:46	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 00:46	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 00:46	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 00:46	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 00:46	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 00:46	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 00:46	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 00:46	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 00:46	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 00:46	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 00:46	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 00:46	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 00:46	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 00:46	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 00:46	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 00:46	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 00:46	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 00:46	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 00:46	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 00:46	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 00:46	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 00:46	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 00:46	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 00:46	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 00:46	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 00:46	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 00:46	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 00:46	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 00:46	1

Client Sample ID: MP-281

Date Collected: 10/05/22 11:35
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-21

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 00:46	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 00:46	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 00:46	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 00:46	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 00:46	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 00:46	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 00:46	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 00:46	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 00:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 00:46	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/16/22 00:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/22 00:46*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/22 00:46*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0078	ug/L		10/12/22 15:08	10/13/22 01:34	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		10/12/22 15:08	10/13/22 01:34	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:53	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:53	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:53	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:53	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 20:53	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:53	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*19 - 120*	*10/16/22 09:53*	*10/17/22 20:53*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*10/16/22 09:53*	*10/17/22 20:53*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	**0.0028**	**J**	0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 00:52	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:17	1
Barium, Dissolved	**0.26**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:17	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:17	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:17	1
Silver, Dissolved	**0.000047**	**J**	0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:17	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:17	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-281

Date Collected: 10/05/22 11:35
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-21

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	3.5		1.0	0.43	mg/L			10/19/22 21:21	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.13				SU			10/05/22 11:35	1
Field Conductivity	1407				umhos/cm			10/05/22 11:35	1
Field Temperature	14.8				Degrees C			10/05/22 11:35	1
Field Turbidity	0.02				NTU			10/05/22 11:35	1
Ground Water Elevation	894.84				ft/msl			10/05/22 11:35	1
Oxidation Reduction Potential	-65.0				millivolts			10/05/22 11:35	1
Oxygen, Dissolved	0.05				mg/L			10/05/22 11:35	1
Depth to Water from Top of Casing	18.69				ft			10/05/22 11:35	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-281C
Date Collected: 10/05/22 11:34
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-22
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 01:08	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 01:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 01:08	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 01:08	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 01:08	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 01:08	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 01:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 01:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 01:08	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 01:08	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 01:08	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 01:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 01:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 01:08	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 01:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 01:08	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 01:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 01:08	1
Acetone	ND		10	3.0	ug/L			10/16/22 01:08	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 01:08	1
Acrolein	ND		20	0.91	ug/L			10/16/22 01:08	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 01:08	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 01:08	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 01:08	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 01:08	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 01:08	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 01:08	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 01:08	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 01:08	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 01:08	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 01:08	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 01:08	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 01:08	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 01:08	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 01:08	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 01:08	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 01:08	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 01:08	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 01:08	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 01:08	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 01:08	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 01:08	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 01:08	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 01:08	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 01:08	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 01:08	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 01:08	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 01:08	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 01:08	1

Client Sample ID: MP-281C

Lab Sample ID: 480-202504-22

Date Collected: 10/05/22 11:34

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 01:08	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 01:08	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 01:08	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 01:08	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 01:08	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 01:08	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 01:08	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 01:08	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 01:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 01:08	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/16/22 01:08*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/22 01:08*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/16/22 01:08*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/12/22 15:08	10/13/22 01:54	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/12/22 15:08	10/13/22 01:54	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:06	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:06	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:06	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:06	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:06	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 21:06	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*19 - 120*	*10/16/22 09:53*	*10/17/22 21:06*	*1*
Tetrachloro-m-xylene	*68*		*39 - 121*	*10/16/22 09:53*	*10/17/22 21:06*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 01:08	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0062**		0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:19	1
Barium, Dissolved	**0.051**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:19	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:19	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:19	1
Silver, Dissolved	**0.000048**	**J**	0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:19	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:19	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-281C

Date Collected: 10/05/22 11:34
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-22

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.4		1.0	0.43	mg/L			10/19/22 21:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.10				SU			10/05/22 11:34	1
Field Conductivity	1111				umhos/cm			10/05/22 11:34	1
Field Temperature	15.2				Degrees C			10/05/22 11:34	1
Field Turbidity	0.02				NTU			10/05/22 11:34	1
Ground Water Elevation	894.80				ft/msl			10/05/22 11:34	1
Oxidation Reduction Potential	-51.1				millivolts			10/05/22 11:34	1
Oxygen, Dissolved	0.15				mg/L			10/05/22 11:34	1
Depth to Water from Top of Casing	19.32				ft			10/05/22 11:34	1

Client Sample ID: MP-274

Lab Sample ID: 480-202504-23

Date Collected: 10/05/22 12:49

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 01:30	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 01:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 01:30	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 01:30	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 01:30	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 01:30	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 01:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 01:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 01:30	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 01:30	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 01:30	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 01:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 01:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 01:30	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 01:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 01:30	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 01:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 01:30	1
Acetone	ND		10	3.0	ug/L			10/16/22 01:30	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 01:30	1
Acrolein	ND		20	0.91	ug/L			10/16/22 01:30	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 01:30	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 01:30	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 01:30	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 01:30	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 01:30	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 01:30	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 01:30	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 01:30	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 01:30	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 01:30	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 01:30	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 01:30	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 01:30	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 01:30	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 01:30	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 01:30	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 01:30	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 01:30	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 01:30	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 01:30	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 01:30	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 01:30	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 01:30	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 01:30	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 01:30	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 01:30	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 01:30	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 01:30	1

Client Sample ID: MP-274

Date Collected: 10/05/22 12:49
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-23

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 01:30	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 01:30	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 01:30	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 01:30	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 01:30	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 01:30	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 01:30	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 01:30	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 01:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 01:30	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/16/22 01:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/16/22 01:30*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/22 01:30*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/13/22 02:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 15:08	10/13/22 02:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:20	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:20	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:20	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:20	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:20	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 21:20	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*19 - 120*	*10/16/22 09:53*	*10/17/22 21:20*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*10/16/22 09:53*	*10/17/22 21:20*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 01:27	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00083**	**J**	0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:22	1
Barium, Dissolved	**0.43**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:22	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:22	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:22	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:22	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:22	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-274

Date Collected: 10/05/22 12:49
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-23

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.7		1.0	0.43	mg/L			10/19/22 22:18	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.35				SU			10/05/22 12:49	1
Field Conductivity	1098				umhos/cm			10/05/22 12:49	1
Field Temperature	15.9				Degrees C			10/05/22 12:49	1
Field Turbidity	0.02				NTU			10/05/22 12:49	1
Ground Water Elevation	894.94				ft/msl			10/05/22 12:49	1
Oxidation Reduction Potential	-103.8				millivolts			10/05/22 12:49	1
Oxygen, Dissolved	0.13				mg/L			10/05/22 12:49	1
Depth to Water from Top of Casing	17.26				ft			10/05/22 12:49	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-250
Date Collected: 10/05/22 08:59
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-24
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 01:52	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 01:52	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 01:52	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 01:52	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 01:52	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 01:52	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 01:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 01:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 01:52	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 01:52	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 01:52	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 01:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 01:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 01:52	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 01:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 01:52	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 01:52	1
Acetone	ND		10	3.0	ug/L			10/16/22 01:52	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 01:52	1
Acrolein	ND		20	0.91	ug/L			10/16/22 01:52	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 01:52	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 01:52	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 01:52	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 01:52	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 01:52	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 01:52	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 01:52	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 01:52	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 01:52	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 01:52	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 01:52	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 01:52	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 01:52	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 01:52	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 01:52	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 01:52	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 01:52	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 01:52	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 01:52	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 01:52	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 01:52	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 01:52	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 01:52	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 01:52	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 01:52	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 01:52	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 01:52	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 01:52	1

Client Sample ID: MP-250

Date Collected: 10/05/22 08:59
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-24

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 01:52	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 01:52	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 01:52	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 01:52	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 01:52	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 01:52	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 01:52	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 01:52	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 01:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 01:52	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/16/22 01:52*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/22 01:52*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/22 01:52*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/12/22 15:08	10/13/22 02:54	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/12/22 15:08	10/13/22 02:54	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:33	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:33	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:33	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:33	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 21:33	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 21:33	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*19 - 120*	*10/16/22 09:53*	*10/17/22 21:33*	*1*
Tetrachloro-m-xylene	*73*		*39 - 121*	*10/16/22 09:53*	*10/17/22 21:33*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 01:31	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0023**		0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:24	1
Barium, Dissolved	**0.042**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:24	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:24	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:24	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:24	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:24	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-250

Date Collected: 10/05/22 08:59
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-24

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.98	J	1.0	0.43	mg/L			10/19/22 22:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.07				SU			10/05/22 08:59	1
Field Conductivity	895				umhos/cm			10/05/22 08:59	1
Field Temperature	14.3				Degrees C			10/05/22 08:59	1
Field Turbidity	0.02				NTU			10/05/22 08:59	1
Ground Water Elevation	898.15				ft/msl			10/05/22 08:59	1
Oxidation Reduction Potential	32.4				millivolts			10/05/22 08:59	1
Oxygen, Dissolved	0.25				mg/L			10/05/22 08:59	1
Depth to Water from Top of Casing	11.92				ft			10/05/22 08:59	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-250A
Date Collected: 10/05/22 08:59
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-25
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 02:13	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 02:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 02:13	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 02:13	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 02:13	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 02:13	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 02:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 02:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 02:13	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 02:13	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 02:13	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 02:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 02:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 02:13	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 02:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 02:13	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 02:13	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 02:13	1
Acetone	ND		10	3.0	ug/L			10/16/22 02:13	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 02:13	1
Acrolein	ND		20	0.91	ug/L			10/16/22 02:13	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 02:13	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 02:13	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 02:13	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 02:13	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 02:13	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 02:13	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 02:13	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 02:13	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 02:13	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 02:13	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 02:13	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 02:13	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 02:13	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 02:13	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 02:13	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 02:13	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 02:13	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 02:13	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 02:13	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 02:13	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 02:13	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 02:13	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 02:13	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 02:13	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 02:13	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 02:13	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 02:13	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 02:13	1

Client Sample ID: MP-250A

Date Collected: 10/05/22 08:59
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-25

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 02:13	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 02:13	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 02:13	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 02:13	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 02:13	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 02:13	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 02:13	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 02:13	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 02:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 02:13	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/16/22 02:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/16/22 02:13*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/22 02:13*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/13/22 03:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 15:08	10/13/22 03:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:13	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:13	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:13	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:13	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:13	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:13	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*10/16/22 09:53*	*10/17/22 22:13*	*1*
Tetrachloro-m-xylene	*73*		*39 - 121*	*10/16/22 09:53*	*10/17/22 22:13*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 01:35	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.011**		0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:26	1
Barium, Dissolved	**0.031**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:26	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:26	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:26	1
Silver, Dissolved	**0.000041**	**J**	0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:26	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:26	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-250A

Lab Sample ID: 480-202504-25

Date Collected: 10/05/22 08:59
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	1.1		1.0	0.43	mg/L			10/19/22 23:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.10				SU			10/05/22 08:59	1
Field Conductivity	1269				umhos/cm			10/05/22 08:59	1
Field Temperature	14.0				Degrees C			10/05/22 08:59	1
Field Turbidity	0.02				NTU			10/05/22 08:59	1
Ground Water Elevation	899.42				ft/msl			10/05/22 08:59	1
Oxidation Reduction Potential	-32.8				millivolts			10/05/22 08:59	1
Oxygen, Dissolved	0.05				mg/L			10/05/22 08:59	1
Depth to Water from Top of Casing	10.82				ft			10/05/22 08:59	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: DMP DUP#3

Lab Sample ID: 480-202504-26

Date Collected: 10/05/22 08:59
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 02:35	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 02:35	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 02:35	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 02:35	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 02:35	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 02:35	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 02:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 02:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 02:35	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 02:35	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 02:35	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 02:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 02:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 02:35	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 02:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 02:35	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 02:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 02:35	1
Acetone	ND		10	3.0	ug/L			10/16/22 02:35	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 02:35	1
Acrolein	ND		20	0.91	ug/L			10/16/22 02:35	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 02:35	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 02:35	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 02:35	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 02:35	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 02:35	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 02:35	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 02:35	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 02:35	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 02:35	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 02:35	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 02:35	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 02:35	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 02:35	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 02:35	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 02:35	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 02:35	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 02:35	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 02:35	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 02:35	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 02:35	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 02:35	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 02:35	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 02:35	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 02:35	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 02:35	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 02:35	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 02:35	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 02:35	1

Client Sample ID: DMP DUP#3

Lab Sample ID: 480-202504-26

Date Collected: 10/05/22 08:59

Matrix: Water

Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 02:35	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 02:35	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 02:35	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 02:35	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 02:35	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 02:35	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 02:35	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 02:35	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 02:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 02:35	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/16/22 02:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/16/22 02:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/22 02:35*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/13/22 03:34	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 15:08	10/13/22 03:34	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:27	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:27	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:27	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:27	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:27	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:27	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 120*	*10/16/22 09:53*	*10/17/22 22:27*	*1*
Tetrachloro-m-xylene	*74*		*39 - 121*	*10/16/22 09:53*	*10/17/22 22:27*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 01:39	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0024**		0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:29	1
Barium, Dissolved	**0.042**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:29	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:29	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:29	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:29	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:29	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: DMP DUP#3

Lab Sample ID: 480-202504-26

Date Collected: 10/05/22 08:59
Date Received: 10/07/22 10:00

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.88	J	1.0	0.43	mg/L			10/19/22 23:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.07				SU			10/05/22 08:59	1
Field Conductivity	894				umhos/cm			10/05/22 08:59	1
Field Temperature	14.3				Degrees C			10/05/22 08:59	1
Field Turbidity	0.02				NTU			10/05/22 08:59	1
Oxidation Reduction Potential	32.5				millivolts			10/05/22 08:59	1
Oxygen, Dissolved	0.25				mg/L			10/05/22 08:59	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-274A

Lab Sample ID: 480-202504-27

Date Collected: 10/05/22 13:09
Matrix: Water
Date Received: 10/07/22 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 02:57	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 02:57	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 02:57	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 02:57	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 02:57	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 02:57	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 02:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 02:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 02:57	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 02:57	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 02:57	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 02:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 02:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 02:57	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 02:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 02:57	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 02:57	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 02:57	1
Acetone	ND		10	3.0	ug/L			10/16/22 02:57	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 02:57	1
Acrolein	ND		20	0.91	ug/L			10/16/22 02:57	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 02:57	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 02:57	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 02:57	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 02:57	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 02:57	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 02:57	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 02:57	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 02:57	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 02:57	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 02:57	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 02:57	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 02:57	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 02:57	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 02:57	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 02:57	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 02:57	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 02:57	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 02:57	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 02:57	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 02:57	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 02:57	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 02:57	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 02:57	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 02:57	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 02:57	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 02:57	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 02:57	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 02:57	1

Client Sample ID: MP-274A

Date Collected: 10/05/22 13:09
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-27

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 02:57	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 02:57	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 02:57	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 02:57	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 02:57	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 02:57	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 02:57	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 02:57	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 02:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 02:57	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/16/22 02:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/16/22 02:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/16/22 02:57*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/13/22 03:54	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/12/22 15:08	10/13/22 03:54	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:40	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:40	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:40	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:40	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:40	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:40	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*		*19 - 120*	*10/16/22 09:53*	*10/17/22 22:40*	*1*
Tetrachloro-m-xylene	*54*		*39 - 121*	*10/16/22 09:53*	*10/17/22 22:40*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 01:55	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.076**		0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:31	1
Barium, Dissolved	**0.027**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:31	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:31	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:31	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:31	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:31	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-274A

Date Collected: 10/05/22 13:09
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-27

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	0.97	J	1.0	0.43	mg/L			10/21/22 23:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.96				SU			10/05/22 13:09	1
Field Conductivity	1346				umhos/cm			10/05/22 13:09	1
Field Temperature	15.3				Degrees C			10/05/22 13:09	1
Field Turbidity	0.02				NTU			10/05/22 13:09	1
Ground Water Elevation	894.59				ft/msl			10/05/22 13:09	1
Oxidation Reduction Potential	-26.7				millivolts			10/05/22 13:09	1
Oxygen, Dissolved	0.08				mg/L			10/05/22 13:09	1
Depth to Water from Top of Casing	18.19				ft			10/05/22 13:09	1

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-407
Date Collected: 10/05/22 14:22
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-28
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/16/22 03:19	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/22 03:19	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/22 03:19	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/22 03:19	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/22 03:19	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/22 03:19	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/22 03:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/22 03:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/22 03:19	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/22 03:19	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/22 03:19	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/22 03:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/22 03:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/22 03:19	1
1,4-Dioxane	ND	*+	40	9.3	ug/L			10/16/22 03:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/22 03:19	1
2-Hexanone	ND		10	1.2	ug/L			10/16/22 03:19	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/22 03:19	1
Acetone	ND		10	3.0	ug/L			10/16/22 03:19	1
Acetonitrile	ND		170	4.9	ug/L			10/16/22 03:19	1
Acrolein	ND		20	0.91	ug/L			10/16/22 03:19	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/22 03:19	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/22 03:19	1
Benzene	ND		2.0	0.41	ug/L			10/16/22 03:19	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/22 03:19	1
Bromoform	ND		2.0	0.26	ug/L			10/16/22 03:19	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/22 03:19	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/22 03:19	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/22 03:19	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/22 03:19	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/22 03:19	1
Chloroform	ND		2.0	0.34	ug/L			10/16/22 03:19	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/22 03:19	1
Chloroprene	ND		1.0	0.49	ug/L			10/16/22 03:19	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/22 03:19	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/22 03:19	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/22 03:19	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/22 03:19	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/22 03:19	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/22 03:19	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/22 03:19	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/22 03:19	1
Isobutyl alcohol	ND	*+	1000	4.8	ug/L			10/16/22 03:19	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/22 03:19	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/22 03:19	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/22 03:19	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/22 03:19	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/22 03:19	1
Propionitrile	ND		50	5.8	ug/L			10/16/22 03:19	1

Client Sample ID: MP-407

Date Collected: 10/05/22 14:22
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-28

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			10/16/22 03:19	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/22 03:19	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/22 03:19	1
Toluene	ND		2.0	0.51	ug/L			10/16/22 03:19	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/22 03:19	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/22 03:19	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/22 03:19	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/22 03:19	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/22 03:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/22 03:19	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/22 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/16/22 03:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/22 03:19*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/22 03:19*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0078	ug/L		10/12/22 15:08	10/13/22 04:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		10/12/22 15:08	10/13/22 04:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:53	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:53	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:53	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:53	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 22:53	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:53	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*19 - 120*	*10/16/22 09:53*	*10/17/22 22:53*	*1*
Tetrachloro-m-xylene	*75*		*39 - 121*	*10/16/22 09:53*	*10/17/22 22:53*	*1*

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 01:58	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00076**	**J**	0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:33	1
Barium, Dissolved	**0.71**	**B**	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:33	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:33	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:33	1
Silver, Dissolved	**0.000063**	**J**	0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:33	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:33	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-407

Date Collected: 10/05/22 14:22
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-28

Matrix: Water

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	2.6		1.0	0.43	mg/L			10/21/22 22:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.18				SU			10/05/22 14:22	1
Field Conductivity	2301				umhos/cm			10/05/22 14:22	1
Field Temperature	16.9				Degrees C			10/05/22 14:22	1
Field Turbidity	0.02				NTU			10/05/22 14:22	1
Ground Water Elevation	895.23				ft/msl			10/05/22 14:22	1
Oxidation Reduction Potential	-104.6				millivolts			10/05/22 14:22	1
Oxygen, Dissolved	0.10				mg/L			10/05/22 14:22	1
Depth to Water from Top of Casing	15.08				ft			10/05/22 14:22	1

Surrogate Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)
480-202459-1	MP-408	108	103	102
480-202459-2	MP-280	99	101	100
480-202459-3	TB	100	99	101
480-202459-4	MP-403A	105	101	103
480-202459-5	MP-214BR	108	101	100
480-202459-6	MP-401A	107	101	100
480-202459-7	MP-401B	106	100	97
480-202459-8	DUPLICATE DMP #2	102	96	97
480-202459-9	MP-286C	105	99	100
480-202459-10	MP-280A	104	100	99
480-202459-11	MP-277A	107	103	100
480-202459-12	FIELD BLANK DMP#1	104	99	97
480-202459-13	MP-231AR	100	101	100
480-202459-14	MP-409	98	101	100
480-202459-15	DUPLICATE DMP #1	99	101	101
480-202459-16	MP-406C	98	101	101
480-202459-17	MP-213A	99	101	100
480-202459-18	MP-244AR	100	101	98
480-202459-19	MP-244R	106	101	101
480-202459-20	MP-233AR	104	100	100
480-202459-21	MP-404A	104	101	99
480-202459-22	MP-404	100	102	101
480-202504-1	MP-237	102	100	103
480-202504-2	MP-238R	102	101	100
480-202504-3	MP-235CR	102	101	101
480-202504-4	MP235BR	106	104	101
480-202504-5	MP-241R	99	101	100
480-202504-6	MP-228R	102	99	99
480-202504-7	MP-228AR	102	101	100
480-202504-8	MP-233R	100	100	99
480-202504-9	MP-232A	102	100	100
480-202504-10	MP-235R	103	99	100
480-202504-11	MP-251A	101	101	100
480-202504-12	MP-210AR	100	100	100
480-202504-13	MP-405A	102	99	99
480-202504-14	MP-279	101	101	98
480-202504-15	MP-211BR	102	100	100
480-202504-16	MP-402A	100	99	98
480-202504-17	MP-206AR	100	100	99
480-202504-17 MS	MP-206AR	103	96	100
480-202504-17 MSD	MP-206AR	101	95	101
480-202504-18	MP-230A	103	98	100
480-202504-19	MP-234R	103	101	100
480-202504-20	MP-234AR	102	99	100
480-202504-21	MP-281	102	100	99
480-202504-22	MP-281C	101	100	98
480-202504-23	MP-274	102	99	99
480-202504-24	MP-250	100	100	99
480-202504-25	MP-250A	101	99	99

Surrogate Summary

Client: Republic Services Inc
Job ID: 480-202459-1
Project/Site: Aber Rd. Landfill - DMP Semiannual

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)
480-202504-26	DMP DUP#3	100	99	99
480-202504-27	MP-274A	102	98	101
480-202504-28	MP-407	103	100	100
LCS 480-644494/9	Lab Control Sample	103	104	100
LCS 480-644586/5	Lab Control Sample	96	98	101
LCS 480-644710/5	Lab Control Sample	98	98	101
LCS 480-645045/6	Lab Control Sample	106	101	104
LCS 480-645212/5	Lab Control Sample	100	94	98
LCS 480-645533/6	Lab Control Sample	105	100	103
LCS 480-645606/5	Lab Control Sample	98	98	101
LCS 480-645617/6	Lab Control Sample	99	94	98
LCSD 480-644494/34	Lab Control Sample Dup	108	100	98
LCSD 480-645212/55	Lab Control Sample Dup	102	96	99
MB 480-644494/13	Method Blank	99	95	95
MB 480-644586/7	Method Blank	99	100	101
MB 480-644710/7	Method Blank	100	100	99
MB 480-645045/9	Method Blank	100	102	99
MB 480-645212/8	Method Blank	98	97	96
MB 480-645533/8	Method Blank	96	99	100
MB 480-645606/7	Method Blank	100	101	99
MB 480-645617/8	Method Blank	103	100	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(19-120)	(39-121)
480-202459-1	MP-408	34	66
480-202459-2	MP-280	36	61
480-202459-4	MP-403A	37	56
480-202459-5	MP-214BR	42	59
480-202459-6	MP-401A	47	62
480-202459-7	MP-401B	52	65
480-202459-8	DUPLICATE DMP #2	54	76
480-202459-9	MP-286C	51	73
480-202459-10	MP-280A	50	69
480-202459-11	MP-277A	49	71
480-202459-12	FIELD BLANK DMP#1	43	52
480-202459-13	MP-231AR	53	72
480-202459-14	MP-409	51	66
480-202459-15	DUPLICATE DMP #1	52	70
480-202459-16	MP-406C	57	75
480-202459-17	MP-213A	44	68
480-202459-18	MP-244AR	56	73
480-202459-19	MP-244R	56	74

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	DCBP2 (19-120)	TCX2 (39-121)
480-202459-20	MP-233AR	52	70
480-202459-21	MP-404A	49	68
LCS 480-645360/2-A	Lab Control Sample	39	66
LCSD 480-645360/3-A	Lab Control Sample Dup	47	58
MB 480-645360/1-A	Method Blank	48	64

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	DCBP1 (19-120)	TCX1 (39-121)
480-202459-22	MP-404	68	82
480-202504-1	MP-237	71	80
480-202504-2	MP-238R	84	89
480-202504-3	MP-235CR	84	80
480-202504-4	MP235BR	77	88
480-202504-5	MP-241R	67	87
480-202504-6	MP-228R	56	86
480-202504-7	MP-228AR	71	79
480-202504-8	MP-233R	71	82
480-202504-9	MP-232A	55	69
480-202504-10	MP-235R	55	72
480-202504-11	MP-251A	62	76
480-202504-12	MP-210AR	51	70
480-202504-13	MP-405A	58	69
480-202504-14	MP-279	54	71
480-202504-15	MP-211BR	57	70
480-202504-16	MP-402A	53	71
480-202504-17	MP-206AR	55	67
480-202504-17 MS	MP-206AR	57	69
480-202504-17 MSD	MP-206AR	57	58
480-202504-18	MP-230A	62	68
480-202504-19	MP-234R	61	75
480-202504-20	MP-234AR	62	71
480-202504-21	MP-281	60	77
480-202504-22	MP-281C	61	68
480-202504-23	MP-274	47	77
480-202504-24	MP-250	64	73
480-202504-25	MP-250A	57	73
480-202504-26	DMP DUP#3	76	74
480-202504-27	MP-274A	41	54
480-202504-28	MP-407	64	75
LCS 480-645596/2-A	Lab Control Sample	45	72
LCS 480-645669/2-A	Lab Control Sample	56	65
MB 480-645596/1-A	Method Blank	51	71
MB 480-645669/1-A	Method Blank	54	53

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-644494/13
Matrix: Water
Analysis Batch: 644494

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/07/22 18:28	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/07/22 18:28	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/07/22 18:28	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/07/22 18:28	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/07/22 18:28	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/07/22 18:28	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/07/22 18:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/07/22 18:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/07/22 18:28	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/07/22 18:28	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/07/22 18:28	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/07/22 18:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/07/22 18:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/07/22 18:28	1
1,4-Dioxane	ND		40	9.3	ug/L			10/07/22 18:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/07/22 18:28	1
2-Hexanone	ND		10	1.2	ug/L			10/07/22 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/07/22 18:28	1
Acetone	ND		10	3.0	ug/L			10/07/22 18:28	1
Acetonitrile	ND		170	4.9	ug/L			10/07/22 18:28	1
Acrolein	ND		20	0.91	ug/L			10/07/22 18:28	1
Acrylonitrile	ND		20	0.83	ug/L			10/07/22 18:28	1
Benzene	ND		2.0	0.41	ug/L			10/07/22 18:28	1
Bromoform	ND		2.0	0.26	ug/L			10/07/22 18:28	1
Bromomethane	ND		2.0	0.69	ug/L			10/07/22 18:28	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/07/22 18:28	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/07/22 18:28	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/07/22 18:28	1
Chloroethane	ND		2.0	0.32	ug/L			10/07/22 18:28	1
Chloroform	ND		2.0	0.34	ug/L			10/07/22 18:28	1
Chloromethane	ND		2.0	0.35	ug/L			10/07/22 18:28	1
Chloroprene	ND		1.0	0.49	ug/L			10/07/22 18:28	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/07/22 18:28	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/07/22 18:28	1
Dibromomethane	ND		2.0	0.41	ug/L			10/07/22 18:28	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/07/22 18:28	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/07/22 18:28	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/07/22 18:28	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/07/22 18:28	1
Iodomethane	ND		2.0	0.30	ug/L			10/07/22 18:28	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/07/22 18:28	1
Methacrylonitrile	ND		10	0.69	ug/L			10/07/22 18:28	1
Methyl methacrylate	ND		10	0.61	ug/L			10/07/22 18:28	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/07/22 18:28	1
Naphthalene	ND		1.0	0.43	ug/L			10/07/22 18:28	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/07/22 18:28	1
Propionitrile	ND		50	5.8	ug/L			10/07/22 18:28	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/07/22 18:28	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-644494/13
Matrix: Water
Analysis Batch: 644494

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/07/22 18:28	1
Toluene	ND		2.0	0.51	ug/L			10/07/22 18:28	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/07/22 18:28	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/07/22 18:28	1
Trichloroethene	ND		2.0	0.46	ug/L			10/07/22 18:28	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/07/22 18:28	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/07/22 18:28	1
Vinyl acetate	ND		10	0.85	ug/L			10/07/22 18:28	1
Styrene	ND		2.0	0.73	ug/L			10/07/22 18:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/07/22 18:28	1
Allyl chloride	ND		2.0	0.44	ug/L			10/07/22 18:28	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/07/22 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/07/22 18:28*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/07/22 18:28*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/07/22 18:28*	*1*

Lab Sample ID: LCS 480-644494/9
Matrix: Water
Analysis Batch: 644494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	23.6		ug/L		94	66 - 127
Benzene	25.0	23.6		ug/L		94	71 - 124
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Toluene	25.0	22.7		ug/L		91	80 - 122
Trichloroethene	25.0	24.2		ug/L		97	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 480-644494/34
Matrix: Water
Analysis Batch: 644494

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	21.8		ug/L		87	66 - 127	8	16
Benzene	25.0	22.3		ug/L		89	71 - 124	6	13
Chlorobenzene	25.0	21.9		ug/L		88	80 - 120	6	25
Toluene	25.0	20.7		ug/L		83	80 - 122	9	15
Trichloroethene	25.0	22.4		ug/L		90	74 - 123	8	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-644494/34
Matrix: Water
Analysis Batch: 644494

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 480-644586/7
Matrix: Water
Analysis Batch: 644586

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/09/22 13:10	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/09/22 13:10	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/09/22 13:10	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/09/22 13:10	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/09/22 13:10	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/09/22 13:10	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/09/22 13:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/09/22 13:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/09/22 13:10	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/09/22 13:10	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/09/22 13:10	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/09/22 13:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/09/22 13:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/09/22 13:10	1
1,4-Dioxane	ND		40	9.3	ug/L			10/09/22 13:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/22 13:10	1
2-Hexanone	ND		10	1.2	ug/L			10/09/22 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/09/22 13:10	1
Acetone	ND		10	3.0	ug/L			10/09/22 13:10	1
Acetonitrile	ND		170	4.9	ug/L			10/09/22 13:10	1
Acrolein	ND		20	0.91	ug/L			10/09/22 13:10	1
Acrylonitrile	ND		20	0.83	ug/L			10/09/22 13:10	1
Benzene	ND		2.0	0.41	ug/L			10/09/22 13:10	1
Bromoform	ND		2.0	0.26	ug/L			10/09/22 13:10	1
Bromomethane	ND		2.0	0.69	ug/L			10/09/22 13:10	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/09/22 13:10	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/09/22 13:10	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/09/22 13:10	1
Chloroethane	ND		2.0	0.32	ug/L			10/09/22 13:10	1
Chloroform	ND		2.0	0.34	ug/L			10/09/22 13:10	1
Chloromethane	ND		2.0	0.35	ug/L			10/09/22 13:10	1
Chloroprene	ND		1.0	0.49	ug/L			10/09/22 13:10	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/09/22 13:10	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/09/22 13:10	1
Dibromomethane	ND		2.0	0.41	ug/L			10/09/22 13:10	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/09/22 13:10	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/09/22 13:10	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/09/22 13:10	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/09/22 13:10	1
Iodomethane	ND		2.0	0.30	ug/L			10/09/22 13:10	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/09/22 13:10	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-644586/7
Matrix: Water
Analysis Batch: 644586

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methacrylonitrile	ND		10	0.69	ug/L			10/09/22 13:10	1
Methyl methacrylate	ND		10	0.61	ug/L			10/09/22 13:10	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/09/22 13:10	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/22 13:10	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/09/22 13:10	1
Propionitrile	ND		50	5.8	ug/L			10/09/22 13:10	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/09/22 13:10	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/09/22 13:10	1
Toluene	ND		2.0	0.51	ug/L			10/09/22 13:10	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/09/22 13:10	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/09/22 13:10	1
Trichloroethene	ND		2.0	0.46	ug/L			10/09/22 13:10	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/09/22 13:10	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/09/22 13:10	1
Vinyl acetate	ND		10	0.85	ug/L			10/09/22 13:10	1
Styrene	ND		2.0	0.73	ug/L			10/09/22 13:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/22 13:10	1
Allyl chloride	ND		2.0	0.44	ug/L			10/09/22 13:10	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/09/22 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/09/22 13:10*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/09/22 13:10*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/09/22 13:10*	*1*

Lab Sample ID: LCS 480-644586/5
Matrix: Water
Analysis Batch: 644586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	25.9		ug/L		103	66 - 127
Benzene	25.0	24.8		ug/L		99	71 - 124
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Toluene	25.0	25.0		ug/L		100	80 - 122
Trichloroethene	25.0	25.1		ug/L		100	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-644710/7
Matrix: Water
Analysis Batch: 644710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/10/22 13:15	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/10/22 13:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-644710/7
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 644710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/10/22 13:15	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/10/22 13:15	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/10/22 13:15	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/10/22 13:15	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/10/22 13:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 13:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 13:15	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/10/22 13:15	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/10/22 13:15	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/10/22 13:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 13:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 13:15	1
1,4-Dioxane	ND		40	9.3	ug/L			10/10/22 13:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 13:15	1
2-Hexanone	ND		10	1.2	ug/L			10/10/22 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/10/22 13:15	1
Acetone	ND		10	3.0	ug/L			10/10/22 13:15	1
Acetonitrile	ND		170	4.9	ug/L			10/10/22 13:15	1
Acrolein	ND		20	0.91	ug/L			10/10/22 13:15	1
Acrylonitrile	ND		20	0.83	ug/L			10/10/22 13:15	1
Benzene	ND		2.0	0.41	ug/L			10/10/22 13:15	1
Bromoform	ND		2.0	0.26	ug/L			10/10/22 13:15	1
Bromomethane	ND		2.0	0.69	ug/L			10/10/22 13:15	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/10/22 13:15	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/10/22 13:15	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/10/22 13:15	1
Chloroethane	ND		2.0	0.32	ug/L			10/10/22 13:15	1
Chloroform	ND		2.0	0.34	ug/L			10/10/22 13:15	1
Chloromethane	ND		2.0	0.35	ug/L			10/10/22 13:15	1
Chloroprene	ND		1.0	0.49	ug/L			10/10/22 13:15	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/10/22 13:15	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/10/22 13:15	1
Dibromomethane	ND		2.0	0.41	ug/L			10/10/22 13:15	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/10/22 13:15	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/10/22 13:15	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/10/22 13:15	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/10/22 13:15	1
Iodomethane	ND		2.0	0.30	ug/L			10/10/22 13:15	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/10/22 13:15	1
Methacrylonitrile	ND		10	0.69	ug/L			10/10/22 13:15	1
Methyl methacrylate	ND		10	0.61	ug/L			10/10/22 13:15	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/10/22 13:15	1
Naphthalene	ND		1.0	0.43	ug/L			10/10/22 13:15	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/10/22 13:15	1
Propionitrile	ND		50	5.8	ug/L			10/10/22 13:15	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/10/22 13:15	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/22 13:15	1
Toluene	ND		2.0	0.51	ug/L			10/10/22 13:15	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/10/22 13:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-644710/7
Matrix: Water
Analysis Batch: 644710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/10/22 13:15	1
Trichloroethene	ND		2.0	0.46	ug/L			10/10/22 13:15	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/10/22 13:15	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/10/22 13:15	1
Vinyl acetate	ND		10	0.85	ug/L			10/10/22 13:15	1
Styrene	ND		2.0	0.73	ug/L			10/10/22 13:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 13:15	1
Allyl chloride	ND		2.0	0.44	ug/L			10/10/22 13:15	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/10/22 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 13:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 13:15*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/10/22 13:15*	*1*

Lab Sample ID: LCS 480-644710/5
Matrix: Water
Analysis Batch: 644710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	26.5		ug/L		106	66 - 127
Benzene	25.0	25.1		ug/L		100	71 - 124
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Toluene	25.0	25.2		ug/L		101	80 - 122
Trichloroethene	25.0	25.4		ug/L		101	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-645045/9
Matrix: Water
Analysis Batch: 645045

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/12/22 14:03	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/12/22 14:03	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/12/22 14:03	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/12/22 14:03	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/12/22 14:03	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/12/22 14:03	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/12/22 14:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/22 14:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/22 14:03	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/12/22 14:03	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/12/22 14:03	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/12/22 14:03	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645045/9
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 645045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/22 14:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/22 14:03	1
1,4-Dioxane	ND		40	9.3	ug/L			10/12/22 14:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/22 14:03	1
2-Hexanone	ND		10	1.2	ug/L			10/12/22 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/12/22 14:03	1
Acetone	ND		10	3.0	ug/L			10/12/22 14:03	1
Acetonitrile	ND		170	4.9	ug/L			10/12/22 14:03	1
Acrolein	ND		20	0.91	ug/L			10/12/22 14:03	1
Acrylonitrile	ND		20	0.83	ug/L			10/12/22 14:03	1
Benzene	ND		2.0	0.41	ug/L			10/12/22 14:03	1
Bromoform	ND		2.0	0.26	ug/L			10/12/22 14:03	1
Bromomethane	ND		2.0	0.69	ug/L			10/12/22 14:03	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/12/22 14:03	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/12/22 14:03	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/12/22 14:03	1
Chloroethane	ND		2.0	0.32	ug/L			10/12/22 14:03	1
Chloroform	ND		2.0	0.34	ug/L			10/12/22 14:03	1
Chloromethane	ND		2.0	0.35	ug/L			10/12/22 14:03	1
Chloroprene	ND		1.0	0.49	ug/L			10/12/22 14:03	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/12/22 14:03	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/12/22 14:03	1
Dibromomethane	ND		2.0	0.41	ug/L			10/12/22 14:03	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/12/22 14:03	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/12/22 14:03	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/12/22 14:03	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/12/22 14:03	1
Iodomethane	ND		2.0	0.30	ug/L			10/12/22 14:03	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/12/22 14:03	1
Methacrylonitrile	ND		10	0.69	ug/L			10/12/22 14:03	1
Methyl methacrylate	ND		10	0.61	ug/L			10/12/22 14:03	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/12/22 14:03	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/22 14:03	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/12/22 14:03	1
Propionitrile	ND		50	5.8	ug/L			10/12/22 14:03	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/12/22 14:03	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/12/22 14:03	1
Toluene	ND		2.0	0.51	ug/L			10/12/22 14:03	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/12/22 14:03	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/12/22 14:03	1
Trichloroethene	ND		2.0	0.46	ug/L			10/12/22 14:03	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/12/22 14:03	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/12/22 14:03	1
Vinyl acetate	ND		10	0.85	ug/L			10/12/22 14:03	1
Styrene	ND		2.0	0.73	ug/L			10/12/22 14:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/22 14:03	1
Allyl chloride	ND		2.0	0.44	ug/L			10/12/22 14:03	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/12/22 14:03	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645045/9
Matrix: Water
Analysis Batch: 645045

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/12/22 14:03	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/12/22 14:03	1
Toluene-d8 (Surr)	99		80 - 120		10/12/22 14:03	1

Lab Sample ID: LCS 480-645045/6
Matrix: Water
Analysis Batch: 645045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	23.4		ug/L		94	66 - 127
Benzene	25.0	24.5		ug/L		98	71 - 124
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Toluene	25.0	25.0		ug/L		100	80 - 122
Trichloroethene	25.0	24.1		ug/L		96	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: MB 480-645212/8
Matrix: Water
Analysis Batch: 645212

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/13/22 13:00	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/13/22 13:00	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/13/22 13:00	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/13/22 13:00	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/13/22 13:00	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/13/22 13:00	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/13/22 13:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/22 13:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/22 13:00	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/13/22 13:00	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/13/22 13:00	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/13/22 13:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/22 13:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/22 13:00	1
1,4-Dioxane	ND		40	9.3	ug/L			10/13/22 13:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/22 13:00	1
2-Hexanone	ND		10	1.2	ug/L			10/13/22 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/13/22 13:00	1
Acetone	ND		10	3.0	ug/L			10/13/22 13:00	1
Acetonitrile	ND		170	4.9	ug/L			10/13/22 13:00	1
Acrolein	ND		20	0.91	ug/L			10/13/22 13:00	1
Acrylonitrile	ND		20	0.83	ug/L			10/13/22 13:00	1
Benzene	ND		2.0	0.41	ug/L			10/13/22 13:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645212/8
Matrix: Water
Analysis Batch: 645212

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		2.0	0.26	ug/L			10/13/22 13:00	1
Bromomethane	ND		2.0	0.69	ug/L			10/13/22 13:00	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/13/22 13:00	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/13/22 13:00	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/13/22 13:00	1
Chloroethane	ND		2.0	0.32	ug/L			10/13/22 13:00	1
Chloroform	ND		2.0	0.34	ug/L			10/13/22 13:00	1
Chloromethane	ND		2.0	0.35	ug/L			10/13/22 13:00	1
Chloroprene	ND		1.0	0.49	ug/L			10/13/22 13:00	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/13/22 13:00	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/13/22 13:00	1
Dibromomethane	ND		2.0	0.41	ug/L			10/13/22 13:00	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/13/22 13:00	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/13/22 13:00	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/13/22 13:00	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/13/22 13:00	1
Iodomethane	ND		2.0	0.30	ug/L			10/13/22 13:00	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/13/22 13:00	1
Methacrylonitrile	ND		10	0.69	ug/L			10/13/22 13:00	1
Methyl methacrylate	ND		10	0.61	ug/L			10/13/22 13:00	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/13/22 13:00	1
Naphthalene	ND		1.0	0.43	ug/L			10/13/22 13:00	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/13/22 13:00	1
Propionitrile	ND		50	5.8	ug/L			10/13/22 13:00	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/13/22 13:00	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/13/22 13:00	1
Toluene	ND		2.0	0.51	ug/L			10/13/22 13:00	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/13/22 13:00	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/13/22 13:00	1
Trichloroethene	ND		2.0	0.46	ug/L			10/13/22 13:00	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/13/22 13:00	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/13/22 13:00	1
Vinyl acetate	ND		10	0.85	ug/L			10/13/22 13:00	1
Styrene	ND		2.0	0.73	ug/L			10/13/22 13:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/22 13:00	1
Allyl chloride	ND		2.0	0.44	ug/L			10/13/22 13:00	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/13/22 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/13/22 13:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/13/22 13:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/13/22 13:00*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-645212/5
Matrix: Water
Analysis Batch: 645212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	24.7		ug/L		99	66 - 127
Benzene	25.0	23.2		ug/L		93	71 - 124
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120
Toluene	25.0	22.5		ug/L		90	80 - 122
Trichloroethene	25.0	23.5		ug/L		94	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 480-645212/55
Matrix: Water
Analysis Batch: 645212

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	20.4	*1	ug/L		82	66 - 127	19	16
Benzene	25.0	22.0		ug/L		88	71 - 124	5	13
Chlorobenzene	25.0	22.3		ug/L		89	80 - 120	2	25
Toluene	25.0	20.9		ug/L		84	80 - 122	7	15
Trichloroethene	25.0	21.9		ug/L		88	74 - 123	7	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-645533/8
Matrix: Water
Analysis Batch: 645533

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/14/22 16:14	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/14/22 16:14	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/14/22 16:14	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/14/22 16:14	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/14/22 16:14	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/14/22 16:14	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/14/22 16:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/14/22 16:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/14/22 16:14	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/14/22 16:14	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/14/22 16:14	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/14/22 16:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/14/22 16:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/14/22 16:14	1
1,4-Dioxane	ND		40	9.3	ug/L			10/14/22 16:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/22 16:14	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645533/8
Matrix: Water
Analysis Batch: 645533

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10	1.2	ug/L			10/14/22 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/14/22 16:14	1
Acetone	ND		10	3.0	ug/L			10/14/22 16:14	1
Acetonitrile	ND		170	4.9	ug/L			10/14/22 16:14	1
Acrolein	ND		20	0.91	ug/L			10/14/22 16:14	1
Acrylonitrile	ND		20	0.83	ug/L			10/14/22 16:14	1
Benzene	ND		2.0	0.41	ug/L			10/14/22 16:14	1
Bromoform	ND		2.0	0.26	ug/L			10/14/22 16:14	1
Bromomethane	ND		2.0	0.69	ug/L			10/14/22 16:14	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/14/22 16:14	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/14/22 16:14	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/14/22 16:14	1
Chloroethane	ND		2.0	0.32	ug/L			10/14/22 16:14	1
Chloroform	ND		2.0	0.34	ug/L			10/14/22 16:14	1
Chloromethane	ND		2.0	0.35	ug/L			10/14/22 16:14	1
Chloroprene	ND		1.0	0.49	ug/L			10/14/22 16:14	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/14/22 16:14	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/14/22 16:14	1
Dibromomethane	ND		2.0	0.41	ug/L			10/14/22 16:14	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/14/22 16:14	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/14/22 16:14	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/14/22 16:14	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/14/22 16:14	1
Iodomethane	ND		2.0	0.30	ug/L			10/14/22 16:14	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/14/22 16:14	1
Methacrylonitrile	ND		10	0.69	ug/L			10/14/22 16:14	1
Methyl methacrylate	ND		10	0.61	ug/L			10/14/22 16:14	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/14/22 16:14	1
Naphthalene	ND		1.0	0.43	ug/L			10/14/22 16:14	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/14/22 16:14	1
Propionitrile	ND		50	5.8	ug/L			10/14/22 16:14	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/14/22 16:14	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/14/22 16:14	1
Toluene	ND		2.0	0.51	ug/L			10/14/22 16:14	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/14/22 16:14	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/14/22 16:14	1
Trichloroethene	ND		2.0	0.46	ug/L			10/14/22 16:14	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/14/22 16:14	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/14/22 16:14	1
Vinyl acetate	ND		10	0.85	ug/L			10/14/22 16:14	1
Styrene	ND		2.0	0.73	ug/L			10/14/22 16:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/22 16:14	1
Allyl chloride	ND		2.0	0.44	ug/L			10/14/22 16:14	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/14/22 16:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/14/22 16:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/14/22 16:14*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645533/8
Matrix: Water
Analysis Batch: 645533

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/14/22 16:14	1

Lab Sample ID: LCS 480-645533/6
Matrix: Water
Analysis Batch: 645533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	22.0		ug/L		88	66 - 127
Benzene	25.0	23.0		ug/L		92	71 - 124
Chlorobenzene	25.0	23.0		ug/L		92	80 - 120
Toluene	25.0	22.9		ug/L		92	80 - 122
Trichloroethene	25.0	22.9		ug/L		91	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 480-645606/7
Matrix: Water
Analysis Batch: 645606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 11:49	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 11:49	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 11:49	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 11:49	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 11:49	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 11:49	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 11:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 11:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 11:49	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 11:49	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 11:49	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 11:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 11:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 11:49	1
1,4-Dioxane	ND		40	9.3	ug/L			10/15/22 11:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 11:49	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 11:49	1
Acetone	ND		10	3.0	ug/L			10/15/22 11:49	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 11:49	1
Acrolein	ND		20	0.91	ug/L			10/15/22 11:49	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 11:49	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 11:49	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 11:49	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 11:49	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645606/7
Matrix: Water
Analysis Batch: 645606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 11:49	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 11:49	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 11:49	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 11:49	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 11:49	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 11:49	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 11:49	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 11:49	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 11:49	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 11:49	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 11:49	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 11:49	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 11:49	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 11:49	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 11:49	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/15/22 11:49	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 11:49	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 11:49	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 11:49	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 11:49	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 11:49	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 11:49	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 11:49	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 11:49	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 11:49	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 11:49	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 11:49	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 11:49	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 11:49	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 11:49	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 11:49	1
Styrene	ND		2.0	0.73	ug/L			10/15/22 11:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 11:49	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 11:49	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/15/22 11:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/15/22 11:49*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/22 11:49*	*1*

Lab Sample ID: LCS 480-645606/5
Matrix: Water
Analysis Batch: 645606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	26.9		ug/L		108	66 - 127
Benzene	25.0	26.0		ug/L		104	71 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-645606/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Toluene	25.0	25.8		ug/L		103	80 - 122
Trichloroethene	25.0	26.0		ug/L		104	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 480-202504-17 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		25.0	30.0		ug/L		120	66 - 127
Benzene	ND		25.0	28.4		ug/L		113	71 - 124
Chlorobenzene	ND		25.0	26.9		ug/L		108	80 - 120
Toluene	ND		25.0	27.7		ug/L		111	80 - 122
Trichloroethene	ND		25.0	28.7		ug/L		115	74 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		25.0	30.2		ug/L		121	66 - 127	0	16
Benzene	ND		25.0	28.3		ug/L		113	71 - 124	0	13
Chlorobenzene	ND		25.0	27.3		ug/L		109	80 - 120	1	25
Toluene	ND		25.0	28.0		ug/L		112	80 - 122	1	15
Trichloroethene	ND		25.0	28.6		ug/L		114	74 - 123	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-645617/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			10/15/22 23:18	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/15/22 23:18	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645617/8
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 645617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/15/22 23:18	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/15/22 23:18	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/15/22 23:18	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/15/22 23:18	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/15/22 23:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/15/22 23:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/15/22 23:18	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/15/22 23:18	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/15/22 23:18	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/15/22 23:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/15/22 23:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/15/22 23:18	1
1,4-Dioxane	ND		40	9.3	ug/L			10/15/22 23:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/15/22 23:18	1
2-Hexanone	ND		10	1.2	ug/L			10/15/22 23:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/15/22 23:18	1
Acetone	ND		10	3.0	ug/L			10/15/22 23:18	1
Acetonitrile	ND		170	4.9	ug/L			10/15/22 23:18	1
Acrolein	ND		20	0.91	ug/L			10/15/22 23:18	1
Acrylonitrile	ND		20	0.83	ug/L			10/15/22 23:18	1
Benzene	ND		2.0	0.41	ug/L			10/15/22 23:18	1
Bromoform	ND		2.0	0.26	ug/L			10/15/22 23:18	1
Bromomethane	ND		2.0	0.69	ug/L			10/15/22 23:18	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/15/22 23:18	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/15/22 23:18	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/15/22 23:18	1
Chloroethane	ND		2.0	0.32	ug/L			10/15/22 23:18	1
Chloroform	ND		2.0	0.34	ug/L			10/15/22 23:18	1
Chloromethane	ND		2.0	0.35	ug/L			10/15/22 23:18	1
Chloroprene	ND		1.0	0.49	ug/L			10/15/22 23:18	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/15/22 23:18	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/15/22 23:18	1
Dibromomethane	ND		2.0	0.41	ug/L			10/15/22 23:18	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/15/22 23:18	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/15/22 23:18	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/15/22 23:18	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/15/22 23:18	1
Iodomethane	ND		2.0	0.30	ug/L			10/15/22 23:18	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/15/22 23:18	1
Methacrylonitrile	ND		10	0.69	ug/L			10/15/22 23:18	1
Methyl methacrylate	ND		10	0.61	ug/L			10/15/22 23:18	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/15/22 23:18	1
Naphthalene	ND		1.0	0.43	ug/L			10/15/22 23:18	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/15/22 23:18	1
Propionitrile	ND		50	5.8	ug/L			10/15/22 23:18	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/15/22 23:18	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/15/22 23:18	1
Toluene	ND		2.0	0.51	ug/L			10/15/22 23:18	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/15/22 23:18	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645617/8
Matrix: Water
Analysis Batch: 645617

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/15/22 23:18	1
Trichloroethene	ND		2.0	0.46	ug/L			10/15/22 23:18	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/15/22 23:18	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/15/22 23:18	1
Vinyl acetate	ND		10	0.85	ug/L			10/15/22 23:18	1
Styrene	ND		2.0	0.73	ug/L			10/15/22 23:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/15/22 23:18	1
Allyl chloride	ND		2.0	0.44	ug/L			10/15/22 23:18	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/15/22 23:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/15/22 23:18*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/15/22 23:18*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/22 23:18*	*1*

Lab Sample ID: LCS 480-645617/6
Matrix: Water
Analysis Batch: 645617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	26.9		ug/L		107	66 - 127
Benzene	25.0	25.7		ug/L		103	71 - 124
Chlorobenzene	25.0	24.4		ug/L		97	80 - 120
Toluene	25.0	24.8		ug/L		99	80 - 122
Trichloroethene	25.0	26.1		ug/L		105	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 480-644617/1-A
Matrix: Water
Analysis Batch: 644618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/09/22 19:24	10/10/22 04:47	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/09/22 19:24	10/10/22 04:47	1

Lab Sample ID: LCS 480-644617/2-A
Matrix: Water
Analysis Batch: 644618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644617

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	0.109	0.101		ug/L		93	46 - 150
1,2-Dibromo-3-Chloropropane	0.109	0.0973		ug/L		89	43 - 150

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 480-644617/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644618 — **Prep Batch: 644617**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	0.109	0.0849		ug/L		78	46 - 150	18	40
1,2-Dibromo-3-Chloropropane	0.109	0.0835		ug/L		77	43 - 150	15	40

Lab Sample ID: MB 480-644922/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 644922**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/11/22 13:38	10/11/22 16:38	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/11/22 13:38	10/11/22 16:38	1

Lab Sample ID: LCS 480-644922/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 644922**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	0.109	0.111		ug/L		101	46 - 150
1,2-Dibromo-3-Chloropropane	0.109	0.105		ug/L		96	43 - 150

Lab Sample ID: LCSD 480-644922/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 644922**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	0.110	0.107		ug/L		98	46 - 150	3	40
1,2-Dibromo-3-Chloropropane	0.110	0.104		ug/L		95	43 - 150	1	40

Lab Sample ID: MB 480-645117/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 645117**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 13:38	10/12/22 15:55	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/12/22 13:38	10/12/22 15:55	1

Lab Sample ID: LCS 480-645117/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 645117**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	0.110	0.121		ug/L		111	46 - 150
1,2-Dibromo-3-Chloropropane	0.110	0.133		ug/L		121	43 - 150

Lab Sample ID: LCSD 480-645117/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 645117**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	0.110	0.118		ug/L		107	46 - 150	3	40
1,2-Dibromo-3-Chloropropane	0.110	0.124		ug/L		112	43 - 150	7	40

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 480-645132/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 645132**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/12/22 15:08	10/12/22 22:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/12/22 15:08	10/12/22 22:14	1

Lab Sample ID: LCS 480-645132/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 645132**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	0.110	0.111		ug/L		101	46 - 150
1,2-Dibromo-3-Chloropropane	0.110	0.113		ug/L		102	43 - 150

Lab Sample ID: 480-202504-17 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 645132**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	ND		0.109	0.101		ug/L		93	41 - 150
1,2-Dibromo-3-Chloropropane	ND		0.109	0.105		ug/L		97	42 - 150

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644928 — **Prep Batch: 645132**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		0.109	0.107		ug/L		98	41 - 150	6	40
1,2-Dibromo-3-Chloropropane	ND		0.109	0.111		ug/L		102	42 - 150	5	40

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-645360/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645446 — **Prep Batch: 645360**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:05	1
PCB-1221	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:05	1
PCB-1232	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:05	1
PCB-1242	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:05	1
PCB-1248	ND		0.50	0.18	ug/L		10/13/22 15:56	10/14/22 16:05	1
PCB-1254	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 16:05	1
PCB-1260	ND		0.50	0.25	ug/L		10/13/22 15:56	10/14/22 16:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*19 - 120*	*10/13/22 15:56*	*10/14/22 16:05*	*1*
Tetrachloro-m-xylene	*64*		*39 - 121*	*10/13/22 15:56*	*10/14/22 16:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-645360/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645446 — **Prep Batch: 645360**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	4.00	3.66		ug/L		92	62 - 130
PCB-1260	4.00	2.88		ug/L		72	56 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*39*		*19 - 120*
Tetrachloro-m-xylene	*66*		*39 - 121*

Lab Sample ID: LCSD 480-645360/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645446 — **Prep Batch: 645360**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	4.00	3.37		ug/L		84	62 - 130	8	50
PCB-1260	4.00	2.81		ug/L		70	56 - 123	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*		*19 - 120*
Tetrachloro-m-xylene	*58*		*39 - 121*

Lab Sample ID: MB 480-645596/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645718 — **Prep Batch: 645596**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 17:06	1
PCB-1221	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 17:06	1
PCB-1232	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 17:06	1
PCB-1242	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 17:06	1
PCB-1248	ND		0.50	0.18	ug/L		10/15/22 07:35	10/16/22 17:06	1
PCB-1254	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 17:06	1
PCB-1260	ND		0.50	0.25	ug/L		10/15/22 07:35	10/16/22 17:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*19 - 120*	*10/15/22 07:35*	*10/16/22 17:06*	*1*
Tetrachloro-m-xylene	*71*		*39 - 121*	*10/15/22 07:35*	*10/16/22 17:06*	*1*

Lab Sample ID: LCS 480-645596/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645718 — **Prep Batch: 645596**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	4.00	3.64		ug/L		91	62 - 130
PCB-1260	4.00	3.39		ug/L		85	56 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*45*		*19 - 120*
Tetrachloro-m-xylene	*72*		*39 - 121*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-645669/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645886 — **Prep Batch: 645669**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 17:19	1
PCB-1221	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 17:19	1
PCB-1232	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 17:19	1
PCB-1242	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 17:19	1
PCB-1248	ND		0.50	0.18	ug/L		10/16/22 09:53	10/17/22 17:19	1
PCB-1254	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 17:19	1
PCB-1260	ND		0.50	0.25	ug/L		10/16/22 09:53	10/17/22 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*19 - 120*	*10/16/22 09:53*	*10/17/22 17:19*	*1*
Tetrachloro-m-xylene	*53*		*39 - 121*	*10/16/22 09:53*	*10/17/22 17:19*	*1*

Lab Sample ID: LCS 480-645669/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645886 — **Prep Batch: 645669**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	4.00	3.89		ug/L		97	62 - 130
PCB-1260	4.00	3.66		ug/L		92	56 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*19 - 120*
Tetrachloro-m-xylene	*65*		*39 - 121*

Lab Sample ID: 480-202504-17 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645886 — **Prep Batch: 645669**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		4.00	3.71		ug/L		93	28 - 150
PCB-1260	ND		4.00	3.53		ug/L		88	25 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*19 - 120*
Tetrachloro-m-xylene	*69*		*39 - 121*

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645886 — **Prep Batch: 645669**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.47		ug/L		87	28 - 150	7	50
PCB-1260	ND		4.00	3.32		ug/L		83	25 - 131	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*19 - 120*
Tetrachloro-m-xylene	*58*		*39 - 121*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-644516/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 644854 — **Prep Batch: 644516**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/10/22 09:32	10/10/22 23:48	1

Lab Sample ID: LCS 480-644516/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 644854 — **Prep Batch: 644516**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, Dissolved	0.200	0.209		mg/L		105	80 - 120

Lab Sample ID: MB 480-644718/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 645684 — **Prep Batch: 644718**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/11/22 14:49	10/14/22 23:48	1

Lab Sample ID: LCS 480-644718/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 645684 — **Prep Batch: 644718**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, Dissolved	0.200	0.206		mg/L		103	80 - 120

Lab Sample ID: MB 480-644953/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 645465 — **Prep Batch: 644953**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 15:51	10/14/22 00:14	1

Lab Sample ID: LCS 480-644953/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 645465 — **Prep Batch: 644953**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, Dissolved	0.200	0.219		mg/L		109	80 - 120

Lab Sample ID: MB 480-644957/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 645258 — **Prep Batch: 644957**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/12/22 09:40	10/13/22 00:45	1

Lab Sample ID: LCS 480-644957/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 645258 — **Prep Batch: 644957**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, Dissolved	0.200	0.196		mg/L		98	80 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: 480-202459-9 MS — **Client Sample ID: MP-286C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645684 — **Prep Batch: 644718**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, Dissolved	ND		0.200	0.211		mg/L		105	75 - 125		

Lab Sample ID: 480-202459-9 MSD — **Client Sample ID: MP-286C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645684 — **Prep Batch: 644718**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, Dissolved	ND		0.200	0.201		mg/L		100	75 - 125	5	20

Lab Sample ID: 480-202504-17 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645691 — **Prep Batch: 644953**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, Dissolved	0.0011	J	0.200	0.210		mg/L		104	75 - 125		

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645691 — **Prep Batch: 644953**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, Dissolved	0.0011	J	0.200	0.204		mg/L		101	75 - 125	3	20

Lab Sample ID: 480-202504-22 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645258 — **Prep Batch: 644957**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, Dissolved	ND		0.200	0.193		mg/L		97	75 - 125		

Lab Sample ID: 480-202504-22 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645258 — **Prep Batch: 644957**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, Dissolved	ND		0.200	0.195		mg/L		98	75 - 125	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-644517/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644862 — **Prep Batch: 644517**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/10/22 09:19	10/10/22 15:56	1
Barium, Dissolved	ND		0.0010	0.00015	mg/L		10/10/22 09:19	10/10/22 15:56	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/10/22 09:19	10/10/22 15:56	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/10/22 09:19	10/10/22 15:56	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/10/22 09:19	10/10/22 15:56	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/10/22 09:19	10/10/22 15:56	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 480-644517/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644862 — **Prep Batch: 644517**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.0200	0.0224		mg/L		112	80 - 120
Barium, Dissolved	0.0200	0.0228		mg/L		114	80 - 120
Cadmium, Dissolved	0.0200	0.0228		mg/L		114	80 - 120
Lead, Dissolved	0.0200	0.0210		mg/L		105	80 - 120
Silver, Dissolved	0.0200	0.0222		mg/L		111	80 - 120
Selenium, Dissolved	0.0200	0.0205		mg/L		103	80 - 120

Lab Sample ID: MB 480-644722/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645154 — **Prep Batch: 644722**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/11/22 14:39	10/12/22 12:42	1
Barium, Dissolved	ND		0.0010	0.00015	mg/L		10/11/22 14:39	10/12/22 12:42	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/11/22 14:39	10/12/22 12:42	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/11/22 14:39	10/12/22 12:42	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/11/22 14:39	10/12/22 12:42	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/11/22 14:39	10/12/22 12:42	1

Lab Sample ID: LCS 480-644722/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645154 — **Prep Batch: 644722**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.0200	0.0203		mg/L		102	80 - 120
Barium, Dissolved	0.0200	0.0213		mg/L		106	80 - 120
Cadmium, Dissolved	0.0200	0.0199		mg/L		100	80 - 120
Lead, Dissolved	0.0200	0.0210		mg/L		105	80 - 120
Silver, Dissolved	0.0200	0.0192		mg/L		96	80 - 120
Selenium, Dissolved	0.0200	0.0209		mg/L		104	80 - 120

Lab Sample ID: MB 480-644955/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645471 — **Prep Batch: 644955**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/12/22 14:43	10/13/22 14:32	1
Barium, Dissolved	ND		0.0010	0.00015	mg/L		10/12/22 14:43	10/13/22 14:32	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 14:43	10/13/22 14:32	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 14:43	10/13/22 14:32	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 14:43	10/13/22 14:32	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 14:43	10/13/22 14:32	1

Lab Sample ID: LCS 480-644955/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645471 — **Prep Batch: 644955**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.0200	0.0210		mg/L		105	80 - 120

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 480-644955/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645471 — **Prep Batch: 644955**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium, Dissolved	0.0200	0.0214		mg/L		107	80 - 120
Cadmium, Dissolved	0.0200	0.0215		mg/L		107	80 - 120
Lead, Dissolved	0.0200	0.0213		mg/L		107	80 - 120
Silver, Dissolved	0.0200	0.0208		mg/L		104	80 - 120
Selenium, Dissolved	0.0200	0.0210		mg/L		105	80 - 120

Lab Sample ID: MB 480-644956/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645164 — **Prep Batch: 644956**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/12/22 09:28	10/12/22 15:05	1
Barium, Dissolved	0.000160	J	0.0010	0.00015	mg/L		10/12/22 09:28	10/12/22 15:05	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/12/22 09:28	10/12/22 15:05	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		10/12/22 09:28	10/12/22 15:05	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/12/22 09:28	10/12/22 15:05	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/12/22 09:28	10/12/22 15:05	1

Lab Sample ID: LCS 480-644956/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645164 — **Prep Batch: 644956**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.0200	0.0200		mg/L		100	80 - 120
Barium, Dissolved	0.0200	0.0207		mg/L		103	80 - 120
Cadmium, Dissolved	0.0200	0.0199		mg/L		100	80 - 120
Lead, Dissolved	0.0200	0.0205		mg/L		102	80 - 120
Silver, Dissolved	0.0200	0.0190		mg/L		95	80 - 120
Selenium, Dissolved	0.0200	0.0204		mg/L		102	80 - 120

Lab Sample ID: 480-202459-6 MS — **Client Sample ID: MP-401A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 644862 — **Prep Batch: 644517**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.00027	J	0.0200	0.0222		mg/L		110	75 - 125
Barium, Dissolved	0.044		0.0200	0.0631		mg/L		97	75 - 125
Cadmium, Dissolved	ND		0.0200	0.0204		mg/L		102	75 - 125
Lead, Dissolved	ND		0.0200	0.0197		mg/L		98	75 - 125
Silver, Dissolved	ND		0.0200	0.0195		mg/L		97	75 - 125
Selenium, Dissolved	ND		0.0200	0.0216		mg/L		108	75 - 125

Lab Sample ID: 480-202459-6 MSD — **Client Sample ID: MP-401A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 644862 — **Prep Batch: 644517**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	0.00027	J	0.0200	0.0221		mg/L		109	75 - 125	1	20
Barium, Dissolved	0.044		0.0200	0.0630		mg/L		96	75 - 125	0	20
Cadmium, Dissolved	ND		0.0200	0.0204		mg/L		102	75 - 125	0	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-202459-6 MSD — **Client Sample ID: MP-401A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 644862 — **Prep Batch: 644517**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead, Dissolved	ND		0.0200	0.0196		mg/L		98	75 - 125	0	20
Silver, Dissolved	ND		0.0200	0.0193		mg/L		96	75 - 125	1	20
Selenium, Dissolved	ND		0.0200	0.0214		mg/L		107	75 - 125	1	20

Lab Sample ID: 480-202459-10 MS — **Client Sample ID: MP-280A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645154 — **Prep Batch: 644722**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.022		0.0200	0.0449		mg/L		117	75 - 125
Barium, Dissolved	0.023		0.0200	0.0448		mg/L		107	75 - 125
Cadmium, Dissolved	ND		0.0200	0.0210		mg/L		105	75 - 125
Lead, Dissolved	ND		0.0200	0.0211		mg/L		105	75 - 125
Silver, Dissolved	ND		0.0200	0.0192		mg/L		96	75 - 125
Selenium, Dissolved	ND		0.0200	0.0223		mg/L		111	75 - 125

Lab Sample ID: 480-202459-10 MSD — **Client Sample ID: MP-280A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645154 — **Prep Batch: 644722**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	0.022		0.0200	0.0445		mg/L		115	75 - 125	1	20
Barium, Dissolved	0.023		0.0200	0.0436		mg/L		102	75 - 125	3	20
Cadmium, Dissolved	ND		0.0200	0.0209		mg/L		105	75 - 125	0	20
Lead, Dissolved	ND		0.0200	0.0213		mg/L		106	75 - 125	1	20
Silver, Dissolved	ND		0.0200	0.0195		mg/L		97	75 - 125	2	20
Selenium, Dissolved	ND		0.0200	0.0222		mg/L		111	75 - 125	0	20

Lab Sample ID: 480-202504-17 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645471 — **Prep Batch: 644955**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.00071	J	0.0200	0.0231		mg/L		112	75 - 125
Barium, Dissolved	0.0082		0.0200	0.0288		mg/L		103	75 - 125
Cadmium, Dissolved	ND		0.0200	0.0204		mg/L		102	75 - 125
Lead, Dissolved	ND		0.0200	0.0202		mg/L		101	75 - 125
Silver, Dissolved	0.000039	J	0.0200	0.0191		mg/L		95	75 - 125
Selenium, Dissolved	ND		0.0200	0.0220		mg/L		110	75 - 125

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645471 — **Prep Batch: 644955**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	0.00071	J	0.0200	0.0231		mg/L		112	75 - 125	0	20
Barium, Dissolved	0.0082		0.0200	0.0289		mg/L		104	75 - 125	1	20
Cadmium, Dissolved	ND		0.0200	0.0205		mg/L		102	75 - 125	0	20
Lead, Dissolved	ND		0.0200	0.0202		mg/L		101	75 - 125	0	20
Silver, Dissolved	0.000039	J	0.0200	0.0193		mg/L		96	75 - 125	1	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645471 — **Prep Batch: 644955**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium, Dissolved	ND		0.0200	0.0224		mg/L		112	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-644832/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644973 — **Prep Batch: 644832**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 13:58	1

Lab Sample ID: LCS 480-644832/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644973 — **Prep Batch: 644832**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00667	0.00673		mg/L		101	80 - 120

Lab Sample ID: MB 480-644833/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644973 — **Prep Batch: 644833**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/11/22 10:36	10/11/22 14:38	1

Lab Sample ID: LCS 480-644833/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 644973 — **Prep Batch: 644833**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00667	0.00642		mg/L		96	80 - 120

Lab Sample ID: MB 480-645229/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645391 — **Prep Batch: 645229**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 15:28	1

Lab Sample ID: LCS 480-645229/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645391 — **Prep Batch: 645229**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00667	0.00705		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 480-645230/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645391 — **Prep Batch: 645230**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.000043	mg/L		10/13/22 11:10	10/13/22 16:09	1

Lab Sample ID: LCS 480-645230/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 645391 — **Prep Batch: 645230**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00667	0.00703		mg/L		105	80 - 120

Lab Sample ID: 480-202504-1 MS — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645391 — **Prep Batch: 645229**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	ND		0.00667	0.00703		mg/L		105	80 - 120

Lab Sample ID: 480-202504-1 MSD — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645391 — **Prep Batch: 645229**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00705		mg/L		106	80 - 120	0	20

Lab Sample ID: 480-202504-17 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645391 — **Prep Batch: 645230**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	ND		0.00667	0.00700		mg/L		105	80 - 120

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 645391 — **Prep Batch: 645230**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00668		mg/L		100	80 - 120	5	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-646154/76 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/19/22 03:00	1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 480-646154/77 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	59.92		mg/L		100	90 - 110

Lab Sample ID: MB 480-646191/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/18/22 06:02	1

Lab Sample ID: MB 480-646191/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/17/22 18:21	1

Lab Sample ID: LCS 480-646191/29 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	61.69		mg/L		103	90 - 110

Lab Sample ID: LCS 480-646191/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	61.92		mg/L		103	90 - 110

Lab Sample ID: 480-202459-5 MS — **Client Sample ID: MP-214BR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.8		23.3	27.26		mg/L		109	54 - 131

Lab Sample ID: 480-202459-13 MS — **Client Sample ID: MP-231AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.3		23.3	26.67		mg/L		109	54 - 131

Lab Sample ID: 480-202459-19 MS — **Client Sample ID: MP-244R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	0.63	J	23.3	25.64		mg/L		107	54 - 131

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: 480-202459-6 DU — **Client Sample ID: MP-401A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	2.0			2.00		mg/L				0.2	20

Lab Sample ID: 480-202459-14 DU — **Client Sample ID: MP-409**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	2.7			2.73		mg/L				2	20

Lab Sample ID: 480-202459-20 DU — **Client Sample ID: MP-233AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646191

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	2.8			2.82		mg/L				0.2	20

Lab Sample ID: MB 480-646366/61 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/19/22 02:19	1

Lab Sample ID: MB 480-646366/85 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/19/22 13:44	1

Lab Sample ID: LCS 480-646366/62 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			60.0	61.33		mg/L		102	90 - 110		

Lab Sample ID: LCS 480-646366/86 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			60.0	62.76		mg/L		105	90 - 110		

Lab Sample ID: 480-202504-2 MS — **Client Sample ID: MP-238R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	1.2		23.3	27.38		mg/L		113	54 - 131		

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: 480-202504-10 MS — **Client Sample ID: MP-235R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	0.61	J	23.3	24.37		mg/L		102	54 - 131

Lab Sample ID: 480-202504-16 MS — **Client Sample ID: MP-402A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	4.8		23.3	31.43		mg/L		114	54 - 131

Lab Sample ID: 480-202504-17 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.6		23.3	28.70		mg/L		116	54 - 131

Lab Sample ID: 480-202504-17 MSD — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	1.6		23.3	28.51		mg/L		115	54 - 131	1	20

Lab Sample ID: 480-202504-3 DU — **Client Sample ID: MP-235CR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	1.9		2.20		mg/L		15	20

Lab Sample ID: 480-202504-11 DU — **Client Sample ID: MP-251A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	1.5		1.47		mg/L		0.8	20

Lab Sample ID: 480-202504-21 DU — **Client Sample ID: MP-281**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646366

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	3.5		3.59		mg/L		1	20

Lab Sample ID: MB 480-646817/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 646817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/21/22 20:18	1

QC Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: LCS 480-646817/5
Matrix: Water
Analysis Batch: 646817

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			60.0	60.56		mg/L		101	90 - 110		

Lab Sample ID: LCSD 480-646817/6
Matrix: Water
Analysis Batch: 646817

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon			60.0	61.13		mg/L		102	90 - 110	1	20

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

GC/MS VOA

Analysis Batch: 644494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Total/NA	Water	8260C	
MB 480-644494/13	Method Blank	Total/NA	Water	8260C	
LCS 480-644494/9	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-644494/34	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 644586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-13	MP-231AR	Total/NA	Water	8260C	
480-202459-14	MP-409	Total/NA	Water	8260C	
480-202459-15	DUPLICATE DMP #1	Total/NA	Water	8260C	
480-202459-16	MP-406C	Total/NA	Water	8260C	
480-202459-17	MP-213A	Total/NA	Water	8260C	
MB 480-644586/7	Method Blank	Total/NA	Water	8260C	
LCS 480-644586/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 644710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-2	MP-280	Total/NA	Water	8260C	
480-202459-3	TB	Total/NA	Water	8260C	
MB 480-644710/7	Method Blank	Total/NA	Water	8260C	
LCS 480-644710/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 645045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-4	MP-403A	Total/NA	Water	8260C	
480-202459-5	MP-214BR	Total/NA	Water	8260C	
480-202459-6	MP-401A	Total/NA	Water	8260C	
480-202459-7	MP-401B	Total/NA	Water	8260C	
480-202459-8	DUPLICATE DMP #2	Total/NA	Water	8260C	
480-202459-9	MP-286C	Total/NA	Water	8260C	
480-202459-10	MP-280A	Total/NA	Water	8260C	
480-202459-11	MP-277A	Total/NA	Water	8260C	
MB 480-645045/9	Method Blank	Total/NA	Water	8260C	
LCS 480-645045/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 645212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-12	FIELD BLANK DMP#1	Total/NA	Water	8260C	
480-202459-18	MP-244AR	Total/NA	Water	8260C	
480-202459-19	MP-244R	Total/NA	Water	8260C	
480-202459-20	MP-233AR	Total/NA	Water	8260C	
480-202459-21	MP-404A	Total/NA	Water	8260C	
480-202459-22	MP-404	Total/NA	Water	8260C	
MB 480-645212/8	Method Blank	Total/NA	Water	8260C	
LCS 480-645212/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-645212/55	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 645533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-4	MP235BR	Total/NA	Water	8260C	
MB 480-645533/8	Method Blank	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 645533 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-645533/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 645606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Total/NA	Water	8260C	
480-202504-2	MP-238R	Total/NA	Water	8260C	
480-202504-3	MP-235CR	Total/NA	Water	8260C	
480-202504-5	MP-241R	Total/NA	Water	8260C	
480-202504-6	MP-228R	Total/NA	Water	8260C	
480-202504-7	MP-228AR	Total/NA	Water	8260C	
480-202504-8	MP-233R	Total/NA	Water	8260C	
480-202504-9	MP-232A	Total/NA	Water	8260C	
480-202504-10	MP-235R	Total/NA	Water	8260C	
480-202504-11	MP-251A	Total/NA	Water	8260C	
480-202504-12	MP-210AR	Total/NA	Water	8260C	
480-202504-13	MP-405A	Total/NA	Water	8260C	
480-202504-14	MP-279	Total/NA	Water	8260C	
480-202504-15	MP-211BR	Total/NA	Water	8260C	
480-202504-16	MP-402A	Total/NA	Water	8260C	
480-202504-17	MP-206AR	Total/NA	Water	8260C	
MB 480-645606/7	Method Blank	Total/NA	Water	8260C	
LCS 480-645606/5	Lab Control Sample	Total/NA	Water	8260C	
480-202504-17 MS	MP-206AR	Total/NA	Water	8260C	
480-202504-17 MSD	MP-206AR	Total/NA	Water	8260C	

Analysis Batch: 645617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-18	MP-230A	Total/NA	Water	8260C	
480-202504-19	MP-234R	Total/NA	Water	8260C	
480-202504-20	MP-234AR	Total/NA	Water	8260C	
480-202504-21	MP-281	Total/NA	Water	8260C	
480-202504-22	MP-281C	Total/NA	Water	8260C	
480-202504-23	MP-274	Total/NA	Water	8260C	
480-202504-24	MP-250	Total/NA	Water	8260C	
480-202504-25	MP-250A	Total/NA	Water	8260C	
480-202504-26	DMP DUP#3	Total/NA	Water	8260C	
480-202504-27	MP-274A	Total/NA	Water	8260C	
480-202504-28	MP-407	Total/NA	Water	8260C	
MB 480-645617/8	Method Blank	Total/NA	Water	8260C	
LCS 480-645617/6	Lab Control Sample	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 644617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Total/NA	Water	8011	
480-202459-2	MP-280	Total/NA	Water	8011	
480-202459-3	TB	Total/NA	Water	8011	
480-202459-4	MP-403A	Total/NA	Water	8011	
480-202459-5	MP-214BR	Total/NA	Water	8011	
480-202459-6	MP-401A	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 644617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-7	MP-401B	Total/NA	Water	8011	
480-202459-8	DUPLICATE DMP #2	Total/NA	Water	8011	
480-202459-9	MP-286C	Total/NA	Water	8011	
480-202459-10	MP-280A	Total/NA	Water	8011	
480-202459-11	MP-277A	Total/NA	Water	8011	
480-202459-12	FIELD BLANK DMP#1	Total/NA	Water	8011	
480-202459-13	MP-231AR	Total/NA	Water	8011	
MB 480-644617/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-644617/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-644617/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 644618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Total/NA	Water	8011	644617
480-202459-2	MP-280	Total/NA	Water	8011	644617
480-202459-3	TB	Total/NA	Water	8011	644617
480-202459-4	MP-403A	Total/NA	Water	8011	644617
480-202459-5	MP-214BR	Total/NA	Water	8011	644617
480-202459-6	MP-401A	Total/NA	Water	8011	644617
480-202459-7	MP-401B	Total/NA	Water	8011	644617
480-202459-8	DUPLICATE DMP #2	Total/NA	Water	8011	644617
480-202459-9	MP-286C	Total/NA	Water	8011	644617
480-202459-10	MP-280A	Total/NA	Water	8011	644617
480-202459-11	MP-277A	Total/NA	Water	8011	644617
480-202459-12	FIELD BLANK DMP#1	Total/NA	Water	8011	644617
480-202459-13	MP-231AR	Total/NA	Water	8011	644617
MB 480-644617/1-A	Method Blank	Total/NA	Water	8011	644617
LCS 480-644617/2-A	Lab Control Sample	Total/NA	Water	8011	644617
LCSD 480-644617/3-A	Lab Control Sample Dup	Total/NA	Water	8011	644617

Prep Batch: 644922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-14	MP-409	Total/NA	Water	8011	
480-202459-15	DUPLICATE DMP #1	Total/NA	Water	8011	
480-202459-16	MP-406C	Total/NA	Water	8011	
480-202459-17	MP-213A	Total/NA	Water	8011	
480-202459-18	MP-244AR	Total/NA	Water	8011	
480-202459-19	MP-244R	Total/NA	Water	8011	
480-202459-20	MP-233AR	Total/NA	Water	8011	
480-202459-21	MP-404A	Total/NA	Water	8011	
480-202459-22	MP-404	Total/NA	Water	8011	
MB 480-644922/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-644922/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-644922/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 644928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-14	MP-409	Total/NA	Water	8011	644922
480-202459-15	DUPLICATE DMP #1	Total/NA	Water	8011	644922
480-202459-16	MP-406C	Total/NA	Water	8011	644922
480-202459-17	MP-213A	Total/NA	Water	8011	644922

GC Semi VOA (Continued)

Analysis Batch: 644928 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-18	MP-244AR	Total/NA	Water	8011	644922
480-202459-19	MP-244R	Total/NA	Water	8011	644922
480-202459-20	MP-233AR	Total/NA	Water	8011	644922
480-202459-21	MP-404A	Total/NA	Water	8011	644922
480-202459-22	MP-404	Total/NA	Water	8011	644922
480-202504-1	MP-237	Total/NA	Water	8011	645117
480-202504-2	MP-238R	Total/NA	Water	8011	645117
480-202504-3	MP-235CR	Total/NA	Water	8011	645117
480-202504-4	MP235BR	Total/NA	Water	8011	645117
480-202504-5	MP-241R	Total/NA	Water	8011	645117
480-202504-6	MP-228R	Total/NA	Water	8011	645117
480-202504-7	MP-228AR	Total/NA	Water	8011	645117
480-202504-8	MP-233R	Total/NA	Water	8011	645117
480-202504-9	MP-232A	Total/NA	Water	8011	645117
480-202504-10	MP-235R	Total/NA	Water	8011	645117
480-202504-11	MP-251A	Total/NA	Water	8011	645117
480-202504-12	MP-210AR	Total/NA	Water	8011	645117
480-202504-13	MP-405A	Total/NA	Water	8011	645117
480-202504-14	MP-279	Total/NA	Water	8011	645117
480-202504-15	MP-211BR	Total/NA	Water	8011	645117
480-202504-16	MP-402A	Total/NA	Water	8011	645132
480-202504-17	MP-206AR	Total/NA	Water	8011	645132
480-202504-18	MP-230A	Total/NA	Water	8011	645132
480-202504-19	MP-234R	Total/NA	Water	8011	645132
480-202504-20	MP-234AR	Total/NA	Water	8011	645132
480-202504-21	MP-281	Total/NA	Water	8011	645132
480-202504-22	MP-281C	Total/NA	Water	8011	645132
480-202504-23	MP-274	Total/NA	Water	8011	645132
480-202504-24	MP-250	Total/NA	Water	8011	645132
480-202504-25	MP-250A	Total/NA	Water	8011	645132
480-202504-26	DMP DUP#3	Total/NA	Water	8011	645132
480-202504-27	MP-274A	Total/NA	Water	8011	645132
480-202504-28	MP-407	Total/NA	Water	8011	645132
MB 480-644922/1-A	Method Blank	Total/NA	Water	8011	644922
MB 480-645117/1-A	Method Blank	Total/NA	Water	8011	645117
MB 480-645132/1-A	Method Blank	Total/NA	Water	8011	645132
LCS 480-644922/2-A	Lab Control Sample	Total/NA	Water	8011	644922
LCS 480-645117/2-A	Lab Control Sample	Total/NA	Water	8011	645117
LCS 480-645132/2-A	Lab Control Sample	Total/NA	Water	8011	645132
LCSD 480-644922/3-A	Lab Control Sample Dup	Total/NA	Water	8011	644922
LCSD 480-645117/3-A	Lab Control Sample Dup	Total/NA	Water	8011	645117
480-202504-17 MS	MP-206AR	Total/NA	Water	8011	645132
480-202504-17 MSD	MP-206AR	Total/NA	Water	8011	645132

Prep Batch: 645117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Total/NA	Water	8011	
480-202504-2	MP-238R	Total/NA	Water	8011	
480-202504-3	MP-235CR	Total/NA	Water	8011	
480-202504-4	MP235BR	Total/NA	Water	8011	
480-202504-5	MP-241R	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 645117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-6	MP-228R	Total/NA	Water	8011	
480-202504-7	MP-228AR	Total/NA	Water	8011	
480-202504-8	MP-233R	Total/NA	Water	8011	
480-202504-9	MP-232A	Total/NA	Water	8011	
480-202504-10	MP-235R	Total/NA	Water	8011	
480-202504-11	MP-251A	Total/NA	Water	8011	
480-202504-12	MP-210AR	Total/NA	Water	8011	
480-202504-13	MP-405A	Total/NA	Water	8011	
480-202504-14	MP-279	Total/NA	Water	8011	
480-202504-15	MP-211BR	Total/NA	Water	8011	
MB 480-645117/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-645117/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-645117/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Prep Batch: 645132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-16	MP-402A	Total/NA	Water	8011	
480-202504-17	MP-206AR	Total/NA	Water	8011	
480-202504-18	MP-230A	Total/NA	Water	8011	
480-202504-19	MP-234R	Total/NA	Water	8011	
480-202504-20	MP-234AR	Total/NA	Water	8011	
480-202504-21	MP-281	Total/NA	Water	8011	
480-202504-22	MP-281C	Total/NA	Water	8011	
480-202504-23	MP-274	Total/NA	Water	8011	
480-202504-24	MP-250	Total/NA	Water	8011	
480-202504-25	MP-250A	Total/NA	Water	8011	
480-202504-26	DMP DUP#3	Total/NA	Water	8011	
480-202504-27	MP-274A	Total/NA	Water	8011	
480-202504-28	MP-407	Total/NA	Water	8011	
MB 480-645132/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-645132/2-A	Lab Control Sample	Total/NA	Water	8011	
480-202504-17 MS	MP-206AR	Total/NA	Water	8011	
480-202504-17 MSD	MP-206AR	Total/NA	Water	8011	

Prep Batch: 645360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Total/NA	Water	3510C	
480-202459-2	MP-280	Total/NA	Water	3510C	
480-202459-4	MP-403A	Total/NA	Water	3510C	
480-202459-5	MP-214BR	Total/NA	Water	3510C	
480-202459-6	MP-401A	Total/NA	Water	3510C	
480-202459-7	MP-401B	Total/NA	Water	3510C	
480-202459-8	DUPLICATE DMP #2	Total/NA	Water	3510C	
480-202459-9	MP-286C	Total/NA	Water	3510C	
480-202459-10	MP-280A	Total/NA	Water	3510C	
480-202459-11	MP-277A	Total/NA	Water	3510C	
480-202459-12	FIELD BLANK DMP#1	Total/NA	Water	3510C	
480-202459-13	MP-231AR	Total/NA	Water	3510C	
480-202459-14	MP-409	Total/NA	Water	3510C	
480-202459-15	DUPLICATE DMP #1	Total/NA	Water	3510C	
480-202459-16	MP-406C	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 645360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-17	MP-213A	Total/NA	Water	3510C	
480-202459-18	MP-244AR	Total/NA	Water	3510C	
480-202459-19	MP-244R	Total/NA	Water	3510C	
480-202459-20	MP-233AR	Total/NA	Water	3510C	
480-202459-21	MP-404A	Total/NA	Water	3510C	
MB 480-645360/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-645360/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-645360/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 645446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Total/NA	Water	8082A	645360
480-202459-2	MP-280	Total/NA	Water	8082A	645360
480-202459-4	MP-403A	Total/NA	Water	8082A	645360
480-202459-5	MP-214BR	Total/NA	Water	8082A	645360
480-202459-6	MP-401A	Total/NA	Water	8082A	645360
480-202459-7	MP-401B	Total/NA	Water	8082A	645360
480-202459-8	DUPLICATE DMP #2	Total/NA	Water	8082A	645360
480-202459-9	MP-286C	Total/NA	Water	8082A	645360
480-202459-10	MP-280A	Total/NA	Water	8082A	645360
480-202459-11	MP-277A	Total/NA	Water	8082A	645360
480-202459-12	FIELD BLANK DMP#1	Total/NA	Water	8082A	645360
480-202459-13	MP-231AR	Total/NA	Water	8082A	645360
480-202459-14	MP-409	Total/NA	Water	8082A	645360
480-202459-15	DUPLICATE DMP #1	Total/NA	Water	8082A	645360
480-202459-16	MP-406C	Total/NA	Water	8082A	645360
480-202459-17	MP-213A	Total/NA	Water	8082A	645360
480-202459-18	MP-244AR	Total/NA	Water	8082A	645360
480-202459-19	MP-244R	Total/NA	Water	8082A	645360
480-202459-20	MP-233AR	Total/NA	Water	8082A	645360
480-202459-21	MP-404A	Total/NA	Water	8082A	645360
MB 480-645360/1-A	Method Blank	Total/NA	Water	8082A	645360
LCS 480-645360/2-A	Lab Control Sample	Total/NA	Water	8082A	645360
LCSD 480-645360/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	645360

Prep Batch: 645596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-22	MP-404	Total/NA	Water	3510C	
480-202504-1	MP-237	Total/NA	Water	3510C	
480-202504-2	MP-238R	Total/NA	Water	3510C	
480-202504-3	MP-235CR	Total/NA	Water	3510C	
480-202504-4	MP235BR	Total/NA	Water	3510C	
480-202504-5	MP-241R	Total/NA	Water	3510C	
480-202504-6	MP-228R	Total/NA	Water	3510C	
480-202504-7	MP-228AR	Total/NA	Water	3510C	
480-202504-8	MP-233R	Total/NA	Water	3510C	
MB 480-645596/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-645596/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC Semi VOA

Prep Batch: 645669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-9	MP-232A	Total/NA	Water	3510C	
480-202504-10	MP-235R	Total/NA	Water	3510C	
480-202504-11	MP-251A	Total/NA	Water	3510C	
480-202504-12	MP-210AR	Total/NA	Water	3510C	
480-202504-13	MP-405A	Total/NA	Water	3510C	
480-202504-14	MP-279	Total/NA	Water	3510C	
480-202504-15	MP-211BR	Total/NA	Water	3510C	
480-202504-16	MP-402A	Total/NA	Water	3510C	
480-202504-17	MP-206AR	Total/NA	Water	3510C	
480-202504-18	MP-230A	Total/NA	Water	3510C	
480-202504-19	MP-234R	Total/NA	Water	3510C	
480-202504-20	MP-234AR	Total/NA	Water	3510C	
480-202504-21	MP-281	Total/NA	Water	3510C	
480-202504-22	MP-281C	Total/NA	Water	3510C	
480-202504-23	MP-274	Total/NA	Water	3510C	
480-202504-24	MP-250	Total/NA	Water	3510C	
480-202504-25	MP-250A	Total/NA	Water	3510C	
480-202504-26	DMP DUP#3	Total/NA	Water	3510C	
480-202504-27	MP-274A	Total/NA	Water	3510C	
480-202504-28	MP-407	Total/NA	Water	3510C	
MB 480-645669/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-645669/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-202504-17 MS	MP-206AR	Total/NA	Water	3510C	
480-202504-17 MSD	MP-206AR	Total/NA	Water	3510C	

Analysis Batch: 645718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-22	MP-404	Total/NA	Water	8082A	645596
480-202504-1	MP-237	Total/NA	Water	8082A	645596
480-202504-2	MP-238R	Total/NA	Water	8082A	645596
480-202504-3	MP-235CR	Total/NA	Water	8082A	645596
480-202504-4	MP235BR	Total/NA	Water	8082A	645596
480-202504-5	MP-241R	Total/NA	Water	8082A	645596
480-202504-6	MP-228R	Total/NA	Water	8082A	645596
480-202504-7	MP-228AR	Total/NA	Water	8082A	645596
480-202504-8	MP-233R	Total/NA	Water	8082A	645596
MB 480-645596/1-A	Method Blank	Total/NA	Water	8082A	645596
LCS 480-645596/2-A	Lab Control Sample	Total/NA	Water	8082A	645596

Analysis Batch: 645886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-9	MP-232A	Total/NA	Water	8082A	645669
480-202504-10	MP-235R	Total/NA	Water	8082A	645669
480-202504-11	MP-251A	Total/NA	Water	8082A	645669
480-202504-12	MP-210AR	Total/NA	Water	8082A	645669
480-202504-13	MP-405A	Total/NA	Water	8082A	645669
480-202504-14	MP-279	Total/NA	Water	8082A	645669
480-202504-15	MP-211BR	Total/NA	Water	8082A	645669
480-202504-16	MP-402A	Total/NA	Water	8082A	645669
480-202504-17	MP-206AR	Total/NA	Water	8082A	645669
480-202504-18	MP-230A	Total/NA	Water	8082A	645669

GC Semi VOA (Continued)

Analysis Batch: 645886 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-19	MP-234R	Total/NA	Water	8082A	645669
480-202504-20	MP-234AR	Total/NA	Water	8082A	645669
480-202504-21	MP-281	Total/NA	Water	8082A	645669
480-202504-22	MP-281C	Total/NA	Water	8082A	645669
480-202504-23	MP-274	Total/NA	Water	8082A	645669
480-202504-24	MP-250	Total/NA	Water	8082A	645669
480-202504-25	MP-250A	Total/NA	Water	8082A	645669
480-202504-26	DMP DUP#3	Total/NA	Water	8082A	645669
480-202504-27	MP-274A	Total/NA	Water	8082A	645669
480-202504-28	MP-407	Total/NA	Water	8082A	645669
MB 480-645669/1-A	Method Blank	Total/NA	Water	8082A	645669
LCS 480-645669/2-A	Lab Control Sample	Total/NA	Water	8082A	645669
480-202504-17 MS	MP-206AR	Total/NA	Water	8082A	645669
480-202504-17 MSD	MP-206AR	Total/NA	Water	8082A	645669

Metals

Prep Batch: 644516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-4	MP-403A	Dissolved	Water	3005A	
480-202459-5	MP-214BR	Dissolved	Water	3005A	
480-202459-6	MP-401A	Dissolved	Water	3005A	
480-202459-7	MP-401B	Dissolved	Water	3005A	
480-202459-8	DUPLICATE DMP #2	Dissolved	Water	3005A	
480-202459-18	MP-244AR	Dissolved	Water	3005A	
480-202459-19	MP-244R	Dissolved	Water	3005A	
480-202459-20	MP-233AR	Dissolved	Water	3005A	
480-202459-21	MP-404A	Dissolved	Water	3005A	
480-202459-22	MP-404	Dissolved	Water	3005A	
MB 480-644516/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-644516/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 644517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-4	MP-403A	Dissolved	Water	3020A	
480-202459-5	MP-214BR	Dissolved	Water	3020A	
480-202459-6	MP-401A	Dissolved	Water	3020A	
480-202459-7	MP-401B	Dissolved	Water	3020A	
480-202459-8	DUPLICATE DMP #2	Dissolved	Water	3020A	
480-202459-18	MP-244AR	Dissolved	Water	3020A	
480-202459-19	MP-244R	Dissolved	Water	3020A	
480-202459-20	MP-233AR	Dissolved	Water	3020A	
480-202459-21	MP-404A	Dissolved	Water	3020A	
480-202459-22	MP-404	Dissolved	Water	3020A	
MB 480-644517/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-644517/2-A	Lab Control Sample	Total/NA	Water	3020A	
480-202459-6 MS	MP-401A	Dissolved	Water	3020A	
480-202459-6 MSD	MP-401A	Dissolved	Water	3020A	

Metals

Prep Batch: 644718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Dissolved	Water	3005A	
480-202459-2	MP-280	Dissolved	Water	3005A	
480-202459-9	MP-286C	Dissolved	Water	3005A	
480-202459-10	MP-280A	Dissolved	Water	3005A	
480-202459-11	MP-277A	Dissolved	Water	3005A	
480-202459-12	FIELD BLANK DMP#1	Dissolved	Water	3005A	
480-202459-13	MP-231AR	Dissolved	Water	3005A	
480-202459-14	MP-409	Dissolved	Water	3005A	
480-202459-15	DUPLICATE DMP #1	Dissolved	Water	3005A	
480-202459-16	MP-406C	Dissolved	Water	3005A	
480-202459-17	MP-213A	Dissolved	Water	3005A	
MB 480-644718/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-644718/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-202459-9 MS	MP-286C	Dissolved	Water	3005A	
480-202459-9 MSD	MP-286C	Dissolved	Water	3005A	

Prep Batch: 644722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Dissolved	Water	3020A	
480-202459-2	MP-280	Dissolved	Water	3020A	
480-202459-9	MP-286C	Dissolved	Water	3020A	
480-202459-10	MP-280A	Dissolved	Water	3020A	
480-202459-11	MP-277A	Dissolved	Water	3020A	
480-202459-12	FIELD BLANK DMP#1	Dissolved	Water	3020A	
480-202459-13	MP-231AR	Dissolved	Water	3020A	
480-202459-14	MP-409	Dissolved	Water	3020A	
480-202459-15	DUPLICATE DMP #1	Dissolved	Water	3020A	
480-202459-16	MP-406C	Dissolved	Water	3020A	
480-202459-17	MP-213A	Dissolved	Water	3020A	
MB 480-644722/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-644722/2-A	Lab Control Sample	Total/NA	Water	3020A	
480-202459-10 MS	MP-280A	Dissolved	Water	3020A	
480-202459-10 MSD	MP-280A	Dissolved	Water	3020A	

Prep Batch: 644832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Dissolved	Water	7470A	
480-202459-2	MP-280	Dissolved	Water	7470A	
480-202459-4	MP-403A	Dissolved	Water	7470A	
480-202459-5	MP-214BR	Dissolved	Water	7470A	
480-202459-6	MP-401A	Dissolved	Water	7470A	
480-202459-7	MP-401B	Dissolved	Water	7470A	
480-202459-8	DUPLICATE DMP #2	Dissolved	Water	7470A	
480-202459-9	MP-286C	Dissolved	Water	7470A	
480-202459-10	MP-280A	Dissolved	Water	7470A	
480-202459-11	MP-277A	Dissolved	Water	7470A	
480-202459-12	FIELD BLANK DMP#1	Dissolved	Water	7470A	
480-202459-13	MP-231AR	Dissolved	Water	7470A	
480-202459-14	MP-409	Dissolved	Water	7470A	
480-202459-15	DUPLICATE DMP #1	Dissolved	Water	7470A	
MB 480-644832/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 644832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-644832/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 644833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-16	MP-406C	Dissolved	Water	7470A	
480-202459-17	MP-213A	Dissolved	Water	7470A	
480-202459-18	MP-244AR	Dissolved	Water	7470A	
480-202459-19	MP-244R	Dissolved	Water	7470A	
480-202459-20	MP-233AR	Dissolved	Water	7470A	
480-202459-21	MP-404A	Dissolved	Water	7470A	
480-202459-22	MP-404	Dissolved	Water	7470A	
MB 480-644833/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-644833/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 644854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-4	MP-403A	Dissolved	Water	6010C	644516
480-202459-5	MP-214BR	Dissolved	Water	6010C	644516
480-202459-6	MP-401A	Dissolved	Water	6010C	644516
480-202459-7	MP-401B	Dissolved	Water	6010C	644516
480-202459-8	DUPLICATE DMP #2	Dissolved	Water	6010C	644516
480-202459-18	MP-244AR	Dissolved	Water	6010C	644516
480-202459-19	MP-244R	Dissolved	Water	6010C	644516
480-202459-20	MP-233AR	Dissolved	Water	6010C	644516
480-202459-21	MP-404A	Dissolved	Water	6010C	644516
480-202459-22	MP-404	Dissolved	Water	6010C	644516
MB 480-644516/1-A	Method Blank	Total Recoverable	Water	6010C	644516
LCS 480-644516/2-A	Lab Control Sample	Total Recoverable	Water	6010C	644516

Analysis Batch: 644862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-4	MP-403A	Dissolved	Water	6020A	644517
480-202459-5	MP-214BR	Dissolved	Water	6020A	644517
480-202459-6	MP-401A	Dissolved	Water	6020A	644517
480-202459-7	MP-401B	Dissolved	Water	6020A	644517
480-202459-8	DUPLICATE DMP #2	Dissolved	Water	6020A	644517
480-202459-18	MP-244AR	Dissolved	Water	6020A	644517
480-202459-19	MP-244R	Dissolved	Water	6020A	644517
480-202459-20	MP-233AR	Dissolved	Water	6020A	644517
480-202459-21	MP-404A	Dissolved	Water	6020A	644517
480-202459-22	MP-404	Dissolved	Water	6020A	644517
MB 480-644517/1-A	Method Blank	Total/NA	Water	6020A	644517
LCS 480-644517/2-A	Lab Control Sample	Total/NA	Water	6020A	644517
480-202459-6 MS	MP-401A	Dissolved	Water	6020A	644517
480-202459-6 MSD	MP-401A	Dissolved	Water	6020A	644517

Prep Batch: 644953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Dissolved	Water	3005A	
480-202504-2	MP-238R	Dissolved	Water	3005A	
480-202504-3	MP-235CR	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 644953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-4	MP235BR	Dissolved	Water	3005A	
480-202504-5	MP-241R	Dissolved	Water	3005A	
480-202504-6	MP-228R	Dissolved	Water	3005A	
480-202504-7	MP-228AR	Dissolved	Water	3005A	
480-202504-8	MP-233R	Dissolved	Water	3005A	
480-202504-9	MP-232A	Dissolved	Water	3005A	
480-202504-10	MP-235R	Dissolved	Water	3005A	
480-202504-11	MP-251A	Dissolved	Water	3005A	
480-202504-12	MP-210AR	Dissolved	Water	3005A	
480-202504-13	MP-405A	Dissolved	Water	3005A	
480-202504-14	MP-279	Dissolved	Water	3005A	
480-202504-15	MP-211BR	Dissolved	Water	3005A	
480-202504-16	MP-402A	Dissolved	Water	3005A	
480-202504-17	MP-206AR	Dissolved	Water	3005A	
480-202504-18	MP-230A	Dissolved	Water	3005A	
480-202504-19	MP-234R	Dissolved	Water	3005A	
480-202504-20	MP-234AR	Dissolved	Water	3005A	
MB 480-644953/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-644953/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-202504-17 MS	MP-206AR	Dissolved	Water	3005A	
480-202504-17 MSD	MP-206AR	Dissolved	Water	3005A	

Prep Batch: 644955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Dissolved	Water	3020A	
480-202504-2	MP-238R	Dissolved	Water	3020A	
480-202504-3	MP-235CR	Dissolved	Water	3020A	
480-202504-4	MP235BR	Dissolved	Water	3020A	
480-202504-5	MP-241R	Dissolved	Water	3020A	
480-202504-6	MP-228R	Dissolved	Water	3020A	
480-202504-7	MP-228AR	Dissolved	Water	3020A	
480-202504-8	MP-233R	Dissolved	Water	3020A	
480-202504-9	MP-232A	Dissolved	Water	3020A	
480-202504-10	MP-235R	Dissolved	Water	3020A	
480-202504-11	MP-251A	Dissolved	Water	3020A	
480-202504-12	MP-210AR	Dissolved	Water	3020A	
480-202504-13	MP-405A	Dissolved	Water	3020A	
480-202504-14	MP-279	Dissolved	Water	3020A	
480-202504-15	MP-211BR	Dissolved	Water	3020A	
480-202504-16	MP-402A	Dissolved	Water	3020A	
480-202504-17	MP-206AR	Dissolved	Water	3020A	
480-202504-18	MP-230A	Dissolved	Water	3020A	
480-202504-19	MP-234R	Dissolved	Water	3020A	
480-202504-20	MP-234AR	Dissolved	Water	3020A	
MB 480-644955/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-644955/2-A	Lab Control Sample	Total/NA	Water	3020A	
480-202504-17 MS	MP-206AR	Dissolved	Water	3020A	
480-202504-17 MSD	MP-206AR	Dissolved	Water	3020A	

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Metals

Prep Batch: 644956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-21	MP-281	Dissolved	Water	3020A	
480-202504-22	MP-281C	Dissolved	Water	3020A	
480-202504-23	MP-274	Dissolved	Water	3020A	
480-202504-24	MP-250	Dissolved	Water	3020A	
480-202504-25	MP-250A	Dissolved	Water	3020A	
480-202504-26	DMP DUP#3	Dissolved	Water	3020A	
480-202504-27	MP-274A	Dissolved	Water	3020A	
480-202504-28	MP-407	Dissolved	Water	3020A	
MB 480-644956/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-644956/2-A	Lab Control Sample	Total/NA	Water	3020A	

Prep Batch: 644957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-21	MP-281	Dissolved	Water	3005A	
480-202504-22	MP-281C	Dissolved	Water	3005A	
480-202504-23	MP-274	Dissolved	Water	3005A	
480-202504-24	MP-250	Dissolved	Water	3005A	
480-202504-25	MP-250A	Dissolved	Water	3005A	
480-202504-26	DMP DUP#3	Dissolved	Water	3005A	
480-202504-27	MP-274A	Dissolved	Water	3005A	
480-202504-28	MP-407	Dissolved	Water	3005A	
MB 480-644957/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-644957/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-202504-22 MS	MP-281C	Dissolved	Water	3005A	
480-202504-22 MSD	MP-281C	Dissolved	Water	3005A	

Analysis Batch: 644973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Dissolved	Water	7470A	644832
480-202459-2	MP-280	Dissolved	Water	7470A	644832
480-202459-4	MP-403A	Dissolved	Water	7470A	644832
480-202459-5	MP-214BR	Dissolved	Water	7470A	644832
480-202459-6	MP-401A	Dissolved	Water	7470A	644832
480-202459-7	MP-401B	Dissolved	Water	7470A	644832
480-202459-8	DUPLICATE DMP #2	Dissolved	Water	7470A	644832
480-202459-9	MP-286C	Dissolved	Water	7470A	644832
480-202459-10	MP-280A	Dissolved	Water	7470A	644832
480-202459-11	MP-277A	Dissolved	Water	7470A	644832
480-202459-12	FIELD BLANK DMP#1	Dissolved	Water	7470A	644832
480-202459-13	MP-231AR	Dissolved	Water	7470A	644832
480-202459-14	MP-409	Dissolved	Water	7470A	644832
480-202459-15	DUPLICATE DMP #1	Dissolved	Water	7470A	644832
480-202459-16	MP-406C	Dissolved	Water	7470A	644833
480-202459-17	MP-213A	Dissolved	Water	7470A	644833
480-202459-18	MP-244AR	Dissolved	Water	7470A	644833
480-202459-19	MP-244R	Dissolved	Water	7470A	644833
480-202459-20	MP-233AR	Dissolved	Water	7470A	644833
480-202459-21	MP-404A	Dissolved	Water	7470A	644833
480-202459-22	MP-404	Dissolved	Water	7470A	644833
MB 480-644832/1-A	Method Blank	Total/NA	Water	7470A	644832
MB 480-644833/1-A	Method Blank	Total/NA	Water	7470A	644833

Metals (Continued)

Analysis Batch: 644973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-644832/2-A	Lab Control Sample	Total/NA	Water	7470A	644832
LCS 480-644833/2-A	Lab Control Sample	Total/NA	Water	7470A	644833

Analysis Batch: 645154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Dissolved	Water	6020A	644722
480-202459-2	MP-280	Dissolved	Water	6020A	644722
480-202459-9	MP-286C	Dissolved	Water	6020A	644722
480-202459-10	MP-280A	Dissolved	Water	6020A	644722
480-202459-11	MP-277A	Dissolved	Water	6020A	644722
480-202459-12	FIELD BLANK DMP#1	Dissolved	Water	6020A	644722
480-202459-13	MP-231AR	Dissolved	Water	6020A	644722
480-202459-14	MP-409	Dissolved	Water	6020A	644722
480-202459-15	DUPLICATE DMP #1	Dissolved	Water	6020A	644722
480-202459-16	MP-406C	Dissolved	Water	6020A	644722
480-202459-17	MP-213A	Dissolved	Water	6020A	644722
MB 480-644722/1-A	Method Blank	Total/NA	Water	6020A	644722
LCS 480-644722/2-A	Lab Control Sample	Total/NA	Water	6020A	644722
480-202459-10 MS	MP-280A	Dissolved	Water	6020A	644722
480-202459-10 MSD	MP-280A	Dissolved	Water	6020A	644722

Analysis Batch: 645164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-21	MP-281	Dissolved	Water	6020A	644956
480-202504-22	MP-281C	Dissolved	Water	6020A	644956
480-202504-23	MP-274	Dissolved	Water	6020A	644956
480-202504-24	MP-250	Dissolved	Water	6020A	644956
480-202504-25	MP-250A	Dissolved	Water	6020A	644956
480-202504-26	DMP DUP#3	Dissolved	Water	6020A	644956
480-202504-27	MP-274A	Dissolved	Water	6020A	644956
480-202504-28	MP-407	Dissolved	Water	6020A	644956
MB 480-644956/1-A	Method Blank	Total/NA	Water	6020A	644956
LCS 480-644956/2-A	Lab Control Sample	Total/NA	Water	6020A	644956

Prep Batch: 645229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Dissolved	Water	7470A	
480-202504-2	MP-238R	Dissolved	Water	7470A	
480-202504-3	MP-235CR	Dissolved	Water	7470A	
480-202504-4	MP235BR	Dissolved	Water	7470A	
480-202504-5	MP-241R	Dissolved	Water	7470A	
480-202504-6	MP-228R	Dissolved	Water	7470A	
480-202504-7	MP-228AR	Dissolved	Water	7470A	
480-202504-8	MP-233R	Dissolved	Water	7470A	
480-202504-9	MP-232A	Dissolved	Water	7470A	
480-202504-10	MP-235R	Dissolved	Water	7470A	
480-202504-11	MP-251A	Dissolved	Water	7470A	
480-202504-12	MP-210AR	Dissolved	Water	7470A	
480-202504-13	MP-405A	Dissolved	Water	7470A	
480-202504-14	MP-279	Dissolved	Water	7470A	
480-202504-15	MP-211BR	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 645229 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-16	MP-402A	Dissolved	Water	7470A	
MB 480-645229/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-645229/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-202504-1 MS	MP-237	Dissolved	Water	7470A	
480-202504-1 MSD	MP-237	Dissolved	Water	7470A	

Prep Batch: 645230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-17	MP-206AR	Dissolved	Water	7470A	
480-202504-18	MP-230A	Dissolved	Water	7470A	
480-202504-19	MP-234R	Dissolved	Water	7470A	
480-202504-20	MP-234AR	Dissolved	Water	7470A	
480-202504-21	MP-281	Dissolved	Water	7470A	
480-202504-22	MP-281C	Dissolved	Water	7470A	
480-202504-23	MP-274	Dissolved	Water	7470A	
480-202504-24	MP-250	Dissolved	Water	7470A	
480-202504-25	MP-250A	Dissolved	Water	7470A	
480-202504-26	DMP DUP#3	Dissolved	Water	7470A	
480-202504-27	MP-274A	Dissolved	Water	7470A	
480-202504-28	MP-407	Dissolved	Water	7470A	
MB 480-645230/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-645230/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-202504-17 MS	MP-206AR	Dissolved	Water	7470A	
480-202504-17 MSD	MP-206AR	Dissolved	Water	7470A	

Analysis Batch: 645258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-21	MP-281	Dissolved	Water	6010C	644957
480-202504-22	MP-281C	Dissolved	Water	6010C	644957
480-202504-23	MP-274	Dissolved	Water	6010C	644957
480-202504-24	MP-250	Dissolved	Water	6010C	644957
480-202504-25	MP-250A	Dissolved	Water	6010C	644957
480-202504-26	DMP DUP#3	Dissolved	Water	6010C	644957
480-202504-27	MP-274A	Dissolved	Water	6010C	644957
480-202504-28	MP-407	Dissolved	Water	6010C	644957
MB 480-644957/1-A	Method Blank	Total Recoverable	Water	6010C	644957
LCS 480-644957/2-A	Lab Control Sample	Total Recoverable	Water	6010C	644957
480-202504-22 MS	MP-281C	Dissolved	Water	6010C	644957
480-202504-22 MSD	MP-281C	Dissolved	Water	6010C	644957

Analysis Batch: 645391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Dissolved	Water	7470A	645229
480-202504-2	MP-238R	Dissolved	Water	7470A	645229
480-202504-3	MP-235CR	Dissolved	Water	7470A	645229
480-202504-4	MP235BR	Dissolved	Water	7470A	645229
480-202504-5	MP-241R	Dissolved	Water	7470A	645229
480-202504-6	MP-228R	Dissolved	Water	7470A	645229
480-202504-7	MP-228AR	Dissolved	Water	7470A	645229
480-202504-8	MP-233R	Dissolved	Water	7470A	645229
480-202504-9	MP-232A	Dissolved	Water	7470A	645229

Metals (Continued)

Analysis Batch: 645391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-10	MP-235R	Dissolved	Water	7470A	645229
480-202504-11	MP-251A	Dissolved	Water	7470A	645229
480-202504-12	MP-210AR	Dissolved	Water	7470A	645229
480-202504-13	MP-405A	Dissolved	Water	7470A	645229
480-202504-14	MP-279	Dissolved	Water	7470A	645229
480-202504-15	MP-211BR	Dissolved	Water	7470A	645229
480-202504-16	MP-402A	Dissolved	Water	7470A	645229
480-202504-17	MP-206AR	Dissolved	Water	7470A	645230
480-202504-18	MP-230A	Dissolved	Water	7470A	645230
480-202504-19	MP-234R	Dissolved	Water	7470A	645230
480-202504-20	MP-234AR	Dissolved	Water	7470A	645230
480-202504-21	MP-281	Dissolved	Water	7470A	645230
480-202504-22	MP-281C	Dissolved	Water	7470A	645230
480-202504-23	MP-274	Dissolved	Water	7470A	645230
480-202504-24	MP-250	Dissolved	Water	7470A	645230
480-202504-25	MP-250A	Dissolved	Water	7470A	645230
480-202504-26	DMP DUP#3	Dissolved	Water	7470A	645230
480-202504-27	MP-274A	Dissolved	Water	7470A	645230
480-202504-28	MP-407	Dissolved	Water	7470A	645230
MB 480-645229/1-A	Method Blank	Total/NA	Water	7470A	645229
MB 480-645230/1-A	Method Blank	Total/NA	Water	7470A	645230
LCS 480-645229/2-A	Lab Control Sample	Total/NA	Water	7470A	645229
LCS 480-645230/2-A	Lab Control Sample	Total/NA	Water	7470A	645230
480-202504-1 MS	MP-237	Dissolved	Water	7470A	645229
480-202504-1 MSD	MP-237	Dissolved	Water	7470A	645229
480-202504-17 MS	MP-206AR	Dissolved	Water	7470A	645230
480-202504-17 MSD	MP-206AR	Dissolved	Water	7470A	645230

Analysis Batch: 645465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Dissolved	Water	6010C	644953
480-202504-2	MP-238R	Dissolved	Water	6010C	644953
480-202504-3	MP-235CR	Dissolved	Water	6010C	644953
480-202504-4	MP235BR	Dissolved	Water	6010C	644953
480-202504-5	MP-241R	Dissolved	Water	6010C	644953
480-202504-6	MP-228R	Dissolved	Water	6010C	644953
480-202504-7	MP-228AR	Dissolved	Water	6010C	644953
480-202504-8	MP-233R	Dissolved	Water	6010C	644953
480-202504-9	MP-232A	Dissolved	Water	6010C	644953
480-202504-11	MP-251A	Dissolved	Water	6010C	644953
480-202504-12	MP-210AR	Dissolved	Water	6010C	644953
480-202504-13	MP-405A	Dissolved	Water	6010C	644953
480-202504-14	MP-279	Dissolved	Water	6010C	644953
480-202504-15	MP-211BR	Dissolved	Water	6010C	644953
480-202504-16	MP-402A	Dissolved	Water	6010C	644953
480-202504-18	MP-230A	Dissolved	Water	6010C	644953
480-202504-19	MP-234R	Dissolved	Water	6010C	644953
480-202504-20	MP-234AR	Dissolved	Water	6010C	644953
MB 480-644953/1-A	Method Blank	Total Recoverable	Water	6010C	644953
LCS 480-644953/2-A	Lab Control Sample	Total Recoverable	Water	6010C	644953

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Metals

Analysis Batch: 645471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Dissolved	Water	6020A	644955
480-202504-2	MP-238R	Dissolved	Water	6020A	644955
480-202504-3	MP-235CR	Dissolved	Water	6020A	644955
480-202504-4	MP235BR	Dissolved	Water	6020A	644955
480-202504-5	MP-241R	Dissolved	Water	6020A	644955
480-202504-6	MP-228R	Dissolved	Water	6020A	644955
480-202504-7	MP-228AR	Dissolved	Water	6020A	644955
480-202504-8	MP-233R	Dissolved	Water	6020A	644955
480-202504-9	MP-232A	Dissolved	Water	6020A	644955
480-202504-10	MP-235R	Dissolved	Water	6020A	644955
480-202504-11	MP-251A	Dissolved	Water	6020A	644955
480-202504-12	MP-210AR	Dissolved	Water	6020A	644955
480-202504-13	MP-405A	Dissolved	Water	6020A	644955
480-202504-14	MP-279	Dissolved	Water	6020A	644955
480-202504-15	MP-211BR	Dissolved	Water	6020A	644955
480-202504-16	MP-402A	Dissolved	Water	6020A	644955
480-202504-17	MP-206AR	Dissolved	Water	6020A	644955
480-202504-18	MP-230A	Dissolved	Water	6020A	644955
480-202504-19	MP-234R	Dissolved	Water	6020A	644955
480-202504-20	MP-234AR	Dissolved	Water	6020A	644955
MB 480-644955/1-A	Method Blank	Total/NA	Water	6020A	644955
LCS 480-644955/2-A	Lab Control Sample	Total/NA	Water	6020A	644955
480-202504-17 MS	MP-206AR	Dissolved	Water	6020A	644955
480-202504-17 MSD	MP-206AR	Dissolved	Water	6020A	644955

Analysis Batch: 645572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-14	MP-279	Dissolved	Water	6020A	644955

Analysis Batch: 645684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Dissolved	Water	6010C	644718
480-202459-2	MP-280	Dissolved	Water	6010C	644718
480-202459-9	MP-286C	Dissolved	Water	6010C	644718
480-202459-10	MP-280A	Dissolved	Water	6010C	644718
480-202459-11	MP-277A	Dissolved	Water	6010C	644718
480-202459-12	FIELD BLANK DMP#1	Dissolved	Water	6010C	644718
480-202459-13	MP-231AR	Dissolved	Water	6010C	644718
480-202459-14	MP-409	Dissolved	Water	6010C	644718
480-202459-15	DUPLICATE DMP #1	Dissolved	Water	6010C	644718
480-202459-16	MP-406C	Dissolved	Water	6010C	644718
480-202459-17	MP-213A	Dissolved	Water	6010C	644718
MB 480-644718/1-A	Method Blank	Total Recoverable	Water	6010C	644718
LCS 480-644718/2-A	Lab Control Sample	Total Recoverable	Water	6010C	644718
480-202459-9 MS	MP-286C	Dissolved	Water	6010C	644718
480-202459-9 MSD	MP-286C	Dissolved	Water	6010C	644718

Analysis Batch: 645691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-10	MP-235R	Dissolved	Water	6010C	644953
480-202504-17	MP-206AR	Dissolved	Water	6010C	644953

Metals (Continued)

Analysis Batch: 645691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-17 MS	MP-206AR	Dissolved	Water	6010C	644953
480-202504-17 MSD	MP-206AR	Dissolved	Water	6010C	644953

General Chemistry

Analysis Batch: 646154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Total/NA	Water	9060A	
480-202459-2	MP-280	Total/NA	Water	9060A	
480-202459-4	MP-403A	Total/NA	Water	9060A	
MB 480-646154/76	Method Blank	Total/NA	Water	9060A	
LCS 480-646154/77	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 646191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-5	MP-214BR	Total/NA	Water	9060A	
480-202459-6	MP-401A	Total/NA	Water	9060A	
480-202459-7	MP-401B	Total/NA	Water	9060A	
480-202459-8	DUPLICATE DMP #2	Total/NA	Water	9060A	
480-202459-9	MP-286C	Total/NA	Water	9060A	
480-202459-10	MP-280A	Total/NA	Water	9060A	
480-202459-11	MP-277A	Total/NA	Water	9060A	
480-202459-12	FIELD BLANK DMP#1	Total/NA	Water	9060A	
480-202459-13	MP-231AR	Total/NA	Water	9060A	
480-202459-14	MP-409	Total/NA	Water	9060A	
480-202459-15	DUPLICATE DMP #1	Total/NA	Water	9060A	
480-202459-16	MP-406C	Total/NA	Water	9060A	
480-202459-17	MP-213A	Total/NA	Water	9060A	
480-202459-18	MP-244AR	Total/NA	Water	9060A	
480-202459-19	MP-244R	Total/NA	Water	9060A	
480-202459-20	MP-233AR	Total/NA	Water	9060A	
480-202459-21	MP-404A	Total/NA	Water	9060A	
480-202459-22	MP-404	Total/NA	Water	9060A	
MB 480-646191/28	Method Blank	Total/NA	Water	9060A	
MB 480-646191/4	Method Blank	Total/NA	Water	9060A	
LCS 480-646191/29	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-646191/5	Lab Control Sample	Total/NA	Water	9060A	
480-202459-5 MS	MP-214BR	Total/NA	Water	9060A	
480-202459-13 MS	MP-231AR	Total/NA	Water	9060A	
480-202459-19 MS	MP-244R	Total/NA	Water	9060A	
480-202459-6 DU	MP-401A	Total/NA	Water	9060A	
480-202459-14 DU	MP-409	Total/NA	Water	9060A	
480-202459-20 DU	MP-233AR	Total/NA	Water	9060A	

Analysis Batch: 646366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Total/NA	Water	9060A	
480-202504-2	MP-238R	Total/NA	Water	9060A	
480-202504-3	MP-235CR	Total/NA	Water	9060A	
480-202504-4	MP235BR	Total/NA	Water	9060A	
480-202504-5	MP-241R	Total/NA	Water	9060A	

General Chemistry (Continued)

Analysis Batch: 646366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-6	MP-228R	Total/NA	Water	9060A	
480-202504-7	MP-228AR	Total/NA	Water	9060A	
480-202504-8	MP-233R	Total/NA	Water	9060A	
480-202504-9	MP-232A	Total/NA	Water	9060A	
480-202504-10	MP-235R	Total/NA	Water	9060A	
480-202504-11	MP-251A	Total/NA	Water	9060A	
480-202504-12	MP-210AR	Total/NA	Water	9060A	
480-202504-13	MP-405A	Total/NA	Water	9060A	
480-202504-14	MP-279	Total/NA	Water	9060A	
480-202504-15	MP-211BR	Total/NA	Water	9060A	
480-202504-16	MP-402A	Total/NA	Water	9060A	
480-202504-17	MP-206AR	Total/NA	Water	9060A	
480-202504-18	MP-230A	Total/NA	Water	9060A	
480-202504-19	MP-234R	Total/NA	Water	9060A	
480-202504-20	MP-234AR	Total/NA	Water	9060A	
480-202504-21	MP-281	Total/NA	Water	9060A	
480-202504-22	MP-281C	Total/NA	Water	9060A	
480-202504-23	MP-274	Total/NA	Water	9060A	
480-202504-24	MP-250	Total/NA	Water	9060A	
480-202504-25	MP-250A	Total/NA	Water	9060A	
480-202504-26	DMP DUP#3	Total/NA	Water	9060A	
MB 480-646366/61	Method Blank	Total/NA	Water	9060A	
MB 480-646366/85	Method Blank	Total/NA	Water	9060A	
LCS 480-646366/62	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-646366/86	Lab Control Sample	Total/NA	Water	9060A	
480-202504-2 MS	MP-238R	Total/NA	Water	9060A	
480-202504-10 MS	MP-235R	Total/NA	Water	9060A	
480-202504-16 MS	MP-402A	Total/NA	Water	9060A	
480-202504-17 MS	MP-206AR	Total/NA	Water	9060A	
480-202504-17 MSD	MP-206AR	Total/NA	Water	9060A	
480-202504-3 DU	MP-235CR	Total/NA	Water	9060A	
480-202504-11 DU	MP-251A	Total/NA	Water	9060A	
480-202504-21 DU	MP-281	Total/NA	Water	9060A	

Analysis Batch: 646817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-27	MP-274A	Total/NA	Water	9060A	
480-202504-28	MP-407	Total/NA	Water	9060A	
MB 480-646817/4	Method Blank	Total/NA	Water	9060A	
LCS 480-646817/5	Lab Control Sample	Total/NA	Water	9060A	
LCSD 480-646817/6	Lab Control Sample Dup	Total/NA	Water	9060A	

Field Service / Mobile Lab

Analysis Batch: 646175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-1	MP-408	Total/NA	Water	Field Sampling	
480-202459-2	MP-280	Total/NA	Water	Field Sampling	
480-202459-4	MP-403A	Total/NA	Water	Field Sampling	
480-202459-5	MP-214BR	Total/NA	Water	Field Sampling	
480-202459-6	MP-401A	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 646175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202459-7	MP-401B	Total/NA	Water	Field Sampling	
480-202459-8	DUPLICATE DMP #2	Total/NA	Water	Field Sampling	
480-202459-9	MP-286C	Total/NA	Water	Field Sampling	
480-202459-10	MP-280A	Total/NA	Water	Field Sampling	
480-202459-11	MP-277A	Total/NA	Water	Field Sampling	
480-202459-12	FIELD BLANK DMP#1	Total/NA	Water	Field Sampling	
480-202459-13	MP-231AR	Total/NA	Water	Field Sampling	
480-202459-14	MP-409	Total/NA	Water	Field Sampling	
480-202459-15	DUPLICATE DMP #1	Total/NA	Water	Field Sampling	
480-202459-16	MP-406C	Total/NA	Water	Field Sampling	
480-202459-17	MP-213A	Total/NA	Water	Field Sampling	
480-202459-18	MP-244AR	Total/NA	Water	Field Sampling	
480-202459-19	MP-244R	Total/NA	Water	Field Sampling	
480-202459-20	MP-233AR	Total/NA	Water	Field Sampling	
480-202459-21	MP-404A	Total/NA	Water	Field Sampling	
480-202459-22	MP-404	Total/NA	Water	Field Sampling	

Analysis Batch: 646182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202504-1	MP-237	Total/NA	Water	Field Sampling	
480-202504-2	MP-238R	Total/NA	Water	Field Sampling	
480-202504-3	MP-235CR	Total/NA	Water	Field Sampling	
480-202504-4	MP235BR	Total/NA	Water	Field Sampling	
480-202504-5	MP-241R	Total/NA	Water	Field Sampling	
480-202504-6	MP-228R	Total/NA	Water	Field Sampling	
480-202504-7	MP-228AR	Total/NA	Water	Field Sampling	
480-202504-8	MP-233R	Total/NA	Water	Field Sampling	
480-202504-9	MP-232A	Total/NA	Water	Field Sampling	
480-202504-10	MP-235R	Total/NA	Water	Field Sampling	
480-202504-11	MP-251A	Total/NA	Water	Field Sampling	
480-202504-12	MP-210AR	Total/NA	Water	Field Sampling	
480-202504-13	MP-405A	Total/NA	Water	Field Sampling	
480-202504-14	MP-279	Total/NA	Water	Field Sampling	
480-202504-15	MP-211BR	Total/NA	Water	Field Sampling	
480-202504-16	MP-402A	Total/NA	Water	Field Sampling	
480-202504-17	MP-206AR	Total/NA	Water	Field Sampling	
480-202504-18	MP-230A	Total/NA	Water	Field Sampling	
480-202504-19	MP-234R	Total/NA	Water	Field Sampling	
480-202504-20	MP-234AR	Total/NA	Water	Field Sampling	
480-202504-21	MP-281	Total/NA	Water	Field Sampling	
480-202504-22	MP-281C	Total/NA	Water	Field Sampling	
480-202504-23	MP-274	Total/NA	Water	Field Sampling	
480-202504-24	MP-250	Total/NA	Water	Field Sampling	
480-202504-25	MP-250A	Total/NA	Water	Field Sampling	
480-202504-26	DMP DUP#3	Total/NA	Water	Field Sampling	
480-202504-27	MP-274A	Total/NA	Water	Field Sampling	
480-202504-28	MP-407	Total/NA	Water	Field Sampling	
480-202504-17 MS	MP-206AR	Total/NA	Water	Field Sampling	
480-202504-17 MSD	MP-206AR	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-408

Lab Sample ID: 480-202459-1
Matrix: Water

Date Collected: 10/04/22 12:06
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644494	CR	EET BUF	10/08/22 01:34
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 08:25
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 16:45
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 00:07
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 12:54
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:16
Total/NA	Analysis	9060A		1	646154	KER	EET BUF	10/19/22 06:22
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 12:06

Client Sample ID: MP-280

Lab Sample ID: 480-202459-2
Matrix: Water

Date Collected: 10/04/22 13:52
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644710	AXK	EET BUF	10/10/22 18:05
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 08:45
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 16:58
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 00:11
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 12:57
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:14
Total/NA	Analysis	9060A		1	646154	KER	EET BUF	10/19/22 06:51
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 13:52

Client Sample ID: TB

Lab Sample ID: 480-202459-3
Matrix: Water

Date Collected: 10/04/22 00:00
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644710	AXK	EET BUF	10/10/22 18:27
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 09:05

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-403A

Lab Sample ID: 480-202459-4

Date Collected: 10/04/22 14:16
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 18:08
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 09:24
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 17:12
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 00:38
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:01
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:17
Total/NA	Analysis	9060A		1	646154	KER	EET BUF	10/19/22 07:20
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 14:16

Client Sample ID: MP-214BR

Lab Sample ID: 480-202459-5

Date Collected: 10/04/22 14:55
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 18:31
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 09:44
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 17:25
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 00:42
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:03
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:18
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 00:41
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 14:55

Client Sample ID: MP-401A

Lab Sample ID: 480-202459-6

Date Collected: 10/04/22 16:23
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 18:54
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 10:04
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 17:38

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-401A

Lab Sample ID: 480-202459-6

Date Collected: 10/04/22 16:23
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 00:46
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:06
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:22
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 01:39
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 16:23

Client Sample ID: MP-401B

Lab Sample ID: 480-202459-7

Date Collected: 10/04/22 17:25
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 19:18
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 10:24
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 17:51
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 00:50
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:24
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:24
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 02:09
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 17:25

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-202459-8

Date Collected: 10/04/22 17:25
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 19:41
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 11:04
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 18:05
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 00:54
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:27
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:25

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-202459-8

Date Collected: 10/04/22 17:25
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 02:37
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 17:25

Client Sample ID: MP-286C

Lab Sample ID: 480-202459-9

Date Collected: 10/04/22 10:50
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 20:04
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 11:23
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 18:18
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 00:15
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 12:59
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:26
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 03:07
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 10:50

Client Sample ID: MP-280A

Lab Sample ID: 480-202459-10

Date Collected: 10/04/22 14:46
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 20:27
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 11:43
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 18:31
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 00:34
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:01
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:28
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 03:36
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 14:46

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-277A

Lab Sample ID: 480-202459-11

Date Collected: 10/04/22 15:51
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645045	AXK	EET BUF	10/12/22 20:51
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 12:03
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 18:45
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 00:50
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:13
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:29
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 04:05
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 15:51

Client Sample ID: FIELD BLANK DMP#1

Lab Sample ID: 480-202459-12

Date Collected: 10/04/22 16:55
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645212	CR	EET BUF	10/13/22 14:20
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 12:23
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 18:58
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 00:54
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:22
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:30
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 04:34
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 16:55

Client Sample ID: MP-231AR

Lab Sample ID: 480-202459-13

Date Collected: 10/03/22 14:47
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644586	AXK	EET BUF	10/09/22 19:45
Total/NA	Prep	8011			644617	DSC	EET BUF	10/09/22 19:25
Total/NA	Analysis	8011		1	644618	DSC	EET BUF	10/10/22 12:43
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 19:11

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-231AR

Lab Sample ID: 480-202459-13

Date Collected: 10/03/22 14:47
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 00:58
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:24
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:31
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 07:30
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/03/22 14:47

Client Sample ID: MP-409

Lab Sample ID: 480-202459-14

Date Collected: 10/03/22 16:00
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644586	AXK	EET BUF	10/09/22 20:07
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 19:38
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 19:25
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 01:02
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:27
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:33
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 08:28
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/03/22 16:00

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-202459-15

Date Collected: 10/03/22 16:00
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644586	AXK	EET BUF	10/09/22 20:29
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 20:18
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 19:38
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 01:05
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:29
Dissolved	Prep	7470A			644832	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:34

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-202459-15

Date Collected: 10/03/22 16:00
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 08:58
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/03/22 16:00

Client Sample ID: MP-406C

Lab Sample ID: 480-202459-16

Date Collected: 10/03/22 17:23
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644586	AXK	EET BUF	10/09/22 20:51
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 20:38
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 19:51
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 01:09
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:31
Dissolved	Prep	7470A			644833	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:41
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 09:27
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/03/22 17:23

Client Sample ID: MP-213A

Lab Sample ID: 480-202459-17

Date Collected: 10/03/22 18:38
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644586	AXK	EET BUF	10/09/22 21:13
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 20:57
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 20:04
Dissolved	Prep	3005A			644718	VAK	EET BUF	10/11/22 14:49
Dissolved	Analysis	6010C		1	645684	LMH	EET BUF	10/15/22 01:13
Dissolved	Prep	3020A			644722	VAK	EET BUF	10/11/22 14:39
Dissolved	Analysis	6020A		1	645154	BMB	EET BUF	10/12/22 13:34
Dissolved	Prep	7470A			644833	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:42
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 09:56
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/03/22 18:38

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-244AR

Lab Sample ID: 480-202459-18

Date Collected: 10/04/22 10:14
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645212	CR	EET BUF	10/13/22 14:43
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 21:17
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 20:18
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 00:58
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:29
Dissolved	Prep	7470A			644833	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:43
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 10:25
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 10:14

Client Sample ID: MP-244R

Lab Sample ID: 480-202459-19

Date Collected: 10/04/22 11:34
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645212	CR	EET BUF	10/13/22 15:06
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 21:38
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 20:58
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 01:02
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:31
Dissolved	Prep	7470A			644833	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:44
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 12:22
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 11:34

Client Sample ID: MP-233AR

Lab Sample ID: 480-202459-20

Date Collected: 10/04/22 12:35
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645212	CR	EET BUF	10/13/22 15:29
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 21:57
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 21:11

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-233AR

Lab Sample ID: 480-202459-20

Date Collected: 10/04/22 12:35
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 01:06
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:33
Dissolved	Prep	7470A			644833	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:46
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 13:20
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 12:35

Client Sample ID: MP-404A

Lab Sample ID: 480-202459-21

Date Collected: 10/04/22 13:08
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645212	CR	EET BUF	10/13/22 15:53
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 22:17
Total/NA	Prep	3510C			645360	SJM	EET BUF	10/13/22 15:56
Total/NA	Analysis	8082A		1	645446	NC	EET BUF	10/14/22 21:24
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 01:21
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:36
Dissolved	Prep	7470A			644833	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:47
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 13:50
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 13:08

Client Sample ID: MP-404

Lab Sample ID: 480-202459-22

Date Collected: 10/04/22 13:40
Date Received: 10/06/22 10:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645212	CR	EET BUF	10/13/22 16:16
Total/NA	Prep	8011			644922	DSC	EET BUF	10/11/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/11/22 22:37
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 18:39
Dissolved	Prep	3005A			644516	NVK	EET BUF	10/10/22 09:32
Dissolved	Analysis	6010C		1	644854	LMH	EET BUF	10/11/22 01:25
Dissolved	Prep	3020A			644517	NVK	EET BUF	10/10/22 09:19
Dissolved	Analysis	6020A		1	644862	BMB	EET BUF	10/10/22 16:38
Dissolved	Prep	7470A			644833	NVK	EET BUF	10/11/22 10:36
Dissolved	Analysis	7470A		1	644973	NVK	EET BUF	10/11/22 14:48

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-404

Lab Sample ID: 480-202459-22

Date Collected: 10/04/22 13:40
Matrix: Water
Date Received: 10/06/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9060A		1	646191	KER	EET BUF	10/18/22 14:19
Total/NA	Analysis	Field Sampling		1	646175	FLD	EET BUF	10/04/22 13:40

Client Sample ID: MP-237

Lab Sample ID: 480-202504-1

Date Collected: 10/05/22 11:45
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 14:09
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 16:55
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 20:40
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 00:22
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 14:36
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:39
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 08:02
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 11:45

Client Sample ID: MP-238R

Lab Sample ID: 480-202504-2

Date Collected: 10/05/22 09:55
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 14:31
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 17:15
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 21:20
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 00:26
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 14:46
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:44
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 08:59
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 09:55

Lab Chronicle

Client: Republic Services Inc
Job ID: 480-202459-1
Project/Site: Aber Rd. Landfill - DMP Semiannual

Client Sample ID: MP-235CR
Lab Sample ID: 480-202504-3

Date Collected: 10/05/22 13:51
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 14:52
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 17:35
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 21:34
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 00:30
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 14:48
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:45
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 09:55
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 13:51

Client Sample ID: MP235BR
Lab Sample ID: 480-202504-4

Date Collected: 10/05/22 13:01
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645533	CB	EET BUF	10/14/22 19:32
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 17:55
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 21:47
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 00:34
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 14:50
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:46
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 10:22
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 13:01

Client Sample ID: MP-241R
Lab Sample ID: 480-202504-5

Date Collected: 10/05/22 08:42
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 15:15
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 18:15
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 22:00

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-241R

Lab Sample ID: 480-202504-5

Date Collected: 10/05/22 08:42
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 00:38
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 14:53
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:48
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 10:51
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 08:42

Client Sample ID: MP-228R

Lab Sample ID: 480-202504-6

Date Collected: 10/05/22 18:36
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 15:36
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 18:35
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 22:14
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 00:42
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 14:55
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:49
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 11:19
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 18:36

Client Sample ID: MP-228AR

Lab Sample ID: 480-202504-7

Date Collected: 10/05/22 18:11
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 15:58
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 18:55
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 22:27
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 00:57
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 14:57
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:53

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-228AR

Lab Sample ID: 480-202504-7

Date Collected: 10/05/22 18:11
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 11:48
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 18:11

Client Sample ID: MP-233R

Lab Sample ID: 480-202504-8

Date Collected: 10/05/22 15:52
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 16:20
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 19:35
Total/NA	Prep	3510C			645596	MS	EET BUF	10/15/22 07:35
Total/NA	Analysis	8082A		1	645718	W1T	EET BUF	10/16/22 22:41
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:01
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:00
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:54
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 12:17
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 15:52

Client Sample ID: MP-232A

Lab Sample ID: 480-202504-9

Date Collected: 10/05/22 15:23
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 16:42
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 19:55
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 18:26
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:05
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:02
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:56
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 14:41
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 15:23

Client Sample ID: MP-235R
Lab Sample ID: 480-202504-10

Date Collected: 10/05/22 14:49
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 17:03
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 20:14
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 18:39
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645691	LMH	EET BUF	10/14/22 20:39
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:04
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:57
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 15:38
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 14:49

Client Sample ID: MP-251A
Lab Sample ID: 480-202504-11

Date Collected: 10/05/22 14:52
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 17:26
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 20:34
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 18:52
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:13
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:07
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:58
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 16:35
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 14:52

Client Sample ID: MP-210AR
Lab Sample ID: 480-202504-12

Date Collected: 10/05/22 08:28
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 17:48
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 20:54
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 19:06

Lab Chronicle

Client: Republic Services Inc
Job ID: 480-202459-1
Project/Site: Aber Rd. Landfill - DMP Semiannual

Client Sample ID: MP-210AR
Lab Sample ID: 480-202504-12

Date Collected: 10/05/22 08:28
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:17
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:16
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 15:59
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 17:03
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 08:28

Client Sample ID: MP-405A
Lab Sample ID: 480-202504-13

Date Collected: 10/05/22 09:42
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 18:10
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 21:14
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 19:19
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:21
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:22
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:01
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 17:32
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 09:42

Client Sample ID: MP-279
Lab Sample ID: 480-202504-14

Date Collected: 10/05/22 11:04
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 18:32
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 21:34
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 19:32
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:25
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:24
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		20	645572	BMB	EET BUF	10/14/22 14:08

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-279

Lab Sample ID: 480-202504-14

Date Collected: 10/05/22 11:04
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:02
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 18:01
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 11:04

Client Sample ID: MP-211BR

Lab Sample ID: 480-202504-15

Date Collected: 10/05/22 12:33
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 18:54
Total/NA	Prep	8011			645117	DSC	EET BUF	10/12/22 13:38
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 21:54
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 19:46
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:29
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:27
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:03
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 19:27
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 12:33

Client Sample ID: MP-402A

Lab Sample ID: 480-202504-16

Date Collected: 10/05/22 14:34
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 19:16
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 23:14
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 19:59
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 01:44
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:29
Dissolved	Prep	7470A			645229	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:05
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 20:25
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 14:34

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-206AR

Lab Sample ID: 480-202504-17

Date Collected: 10/05/22 13:36
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645606	AXK	EET BUF	10/15/22 19:38
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 23:34
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 18:12
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645691	LMH	EET BUF	10/14/22 20:55
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:31
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:11
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 05:10
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 13:36

Client Sample ID: MP-230A

Lab Sample ID: 480-202504-18

Date Collected: 10/05/22 15:52
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/15/22 23:40
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 00:34
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 20:13
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 02:08
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:50
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:16
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 05:39
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 15:52

Client Sample ID: MP-234R

Lab Sample ID: 480-202504-19

Date Collected: 10/05/22 10:27
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 00:02
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 00:54
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 20:26

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-234R

Lab Sample ID: 480-202504-19

Date Collected: 10/05/22 10:27
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 02:12
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:52
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:18
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 06:07
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 10:27

Client Sample ID: MP-234AR

Lab Sample ID: 480-202504-20

Date Collected: 10/05/22 10:24
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 00:24
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 01:14
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 20:39
Dissolved	Prep	3005A			644953	NVK	EET BUF	10/12/22 15:51
Dissolved	Analysis	6010C		1	645465	LMH	EET BUF	10/14/22 02:16
Dissolved	Prep	3020A			644955	NVK	EET BUF	10/12/22 14:43
Dissolved	Analysis	6020A		1	645471	BMB	EET BUF	10/13/22 15:54
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:19
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 06:36
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 10:24

Client Sample ID: MP-281

Lab Sample ID: 480-202504-21

Date Collected: 10/05/22 11:35
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 00:46
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 01:34
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 20:53
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 00:52
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:17
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:20

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-281

Lab Sample ID: 480-202504-21

Date Collected: 10/05/22 11:35
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 21:21
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 11:35

Client Sample ID: MP-281C

Lab Sample ID: 480-202504-22

Date Collected: 10/05/22 11:34
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 01:08
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 01:54
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 21:06
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 01:08
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:19
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:26
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 21:50
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 11:34

Client Sample ID: MP-274

Lab Sample ID: 480-202504-23

Date Collected: 10/05/22 12:49
Date Received: 10/07/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 01:30
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 02:14
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 21:20
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 01:27
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:22
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:27
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 22:18
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 12:49

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-250

Lab Sample ID: 480-202504-24

Date Collected: 10/05/22 08:59
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 01:52
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 02:54
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 21:33
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 01:31
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:24
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:28
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 22:47
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 08:59

Client Sample ID: MP-250A

Lab Sample ID: 480-202504-25

Date Collected: 10/05/22 08:59
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 02:13
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 03:14
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 22:13
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 01:35
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:26
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:30
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 23:15
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 08:59

Client Sample ID: DMP DUP#3

Lab Sample ID: 480-202504-26

Date Collected: 10/05/22 08:59
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 02:35
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 03:34
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 22:27

Client Sample ID: DMP DUP#3
Lab Sample ID: 480-202504-26

Date Collected: 10/05/22 08:59
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 01:39
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:29
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:31
Total/NA	Analysis	9060A		1	646366	KER	EET BUF	10/19/22 23:44
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 08:59

Client Sample ID: MP-274A
Lab Sample ID: 480-202504-27

Date Collected: 10/05/22 13:09
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 02:57
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 03:54
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 22:40
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 01:55
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:31
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:32
Total/NA	Analysis	9060A		1	646817	KER	EET BUF	10/21/22 23:13
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 13:09

Client Sample ID: MP-407
Lab Sample ID: 480-202504-28

Date Collected: 10/05/22 14:22
Matrix: Water
Date Received: 10/07/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645617	AXK	EET BUF	10/16/22 03:19
Total/NA	Prep	8011			645132	DSC	EET BUF	10/12/22 15:08
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/13/22 04:14
Total/NA	Prep	3510C			645669	SJM	EET BUF	10/16/22 09:53
Total/NA	Analysis	8082A		1	645886	W1T	EET BUF	10/17/22 22:53
Dissolved	Prep	3005A			644957	NVK	EET BUF	10/12/22 09:40
Dissolved	Analysis	6010C		1	645258	BMB	EET BUF	10/13/22 01:58
Dissolved	Prep	3020A			644956	NVK	EET BUF	10/12/22 09:28
Dissolved	Analysis	6020A		1	645164	BMB	EET BUF	10/12/22 15:33
Dissolved	Prep	7470A			645230	NVK	EET BUF	10/13/22 11:10
Dissolved	Analysis	7470A		1	645391	NVK	EET BUF	10/13/22 16:33

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Client Sample ID: MP-407

Date Collected: 10/05/22 14:22
Date Received: 10/07/22 10:00

Lab Sample ID: 480-202504-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9060A		1	646817	KER	EET BUF	10/21/22 22:44
Total/NA	Analysis	Field Sampling		1	646182	FLD	EET BUF	10/05/22 14:22

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Laboratory: Eurofins Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-06-22 *
Connecticut	State	PH-0568	03-31-24
Florida	NELAP	E87672	06-30-23
Georgia	State	10026 (NY)	04-01-23
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	03-31-23
Illinois	NELAP	200003	09-30-23
Iowa	State	374	03-01-23
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	01-31-23
Kentucky (DW)	State	90029	12-31-22
Kentucky (UST)	State	30	04-01-23
Kentucky (WW)	State	KY90029	12-31-22
Louisiana	NELAP	02031	06-30-23
Louisiana (All)	NELAP	02031	06-30-23
Maine	State	NY00044	12-04-22
Maryland	State	294	03-31-23
Massachusetts	State	M-NY044	06-30-23
Michigan	State	9937	03-31-23
Michigan	State Program	9937	04-01-09 *
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-17-22
New Jersey	NELAP	NY455	06-30-23
New York	NELAP	10026	03-31-23
Pennsylvania	NELAP	68-00281	07-31-23
Rhode Island	State	LAO00328	12-30-22
Tennessee	State	02970	04-01-23
Texas	NELAP	T104704412-18-10	07-31-23
USDA	US Federal Programs	P330-18-00039	03-25-24
Virginia	NELAP	460185	09-14-23
Washington	State	C784	02-10-23
Wisconsin	State	998310390	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8011	EDB and DBCP in Water by Microextraction	EPA	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
6020A	Metals (ICP/MS)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
9060A	Organic Carbon, Total (TOC)	SW846	EET BUF
Field Sampling	Field Sampling	EPA	EET BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET BUF
3020A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF
8011	Microextraction	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-202459-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-202459-1	MP-408	Water	10/04/22 12:06	10/06/22 10:30
480-202459-2	MP-280	Water	10/04/22 13:52	10/06/22 10:30
480-202459-3	TB	Water	10/04/22 00:00	10/06/22 10:30
480-202459-4	MP-403A	Water	10/04/22 14:16	10/06/22 10:30
480-202459-5	MP-214BR	Water	10/04/22 14:55	10/06/22 10:30
480-202459-6	MP-401A	Water	10/04/22 16:23	10/06/22 10:30
480-202459-7	MP-401B	Water	10/04/22 17:25	10/06/22 10:30
480-202459-8	DUPLICATE DMP #2	Water	10/04/22 17:25	10/06/22 10:30
480-202459-9	MP-286C	Water	10/04/22 10:50	10/06/22 10:30
480-202459-10	MP-280A	Water	10/04/22 14:46	10/06/22 10:30
480-202459-11	MP-277A	Water	10/04/22 15:51	10/06/22 10:30
480-202459-12	FIELD BLANK DMP#1	Water	10/04/22 16:55	10/06/22 10:30
480-202459-13	MP-231AR	Water	10/03/22 14:47	10/06/22 10:30
480-202459-14	MP-409	Water	10/03/22 16:00	10/06/22 10:30
480-202459-15	DUPLICATE DMP #1	Water	10/03/22 16:00	10/06/22 10:30
480-202459-16	MP-406C	Water	10/03/22 17:23	10/06/22 10:30
480-202459-17	MP-213A	Water	10/03/22 18:38	10/06/22 10:30
480-202459-18	MP-244AR	Water	10/04/22 10:14	10/06/22 10:30
480-202459-19	MP-244R	Water	10/04/22 11:34	10/06/22 10:30
480-202459-20	MP-233AR	Water	10/04/22 12:35	10/06/22 10:30
480-202459-21	MP-404A	Water	10/04/22 13:08	10/06/22 10:30
480-202459-22	MP-404	Water	10/04/22 13:40	10/06/22 10:30
480-202504-1	MP-237	Water	10/05/22 11:45	10/07/22 10:00
480-202504-2	MP-238R	Water	10/05/22 09:55	10/07/22 10:00
480-202504-3	MP-235CR	Water	10/05/22 13:51	10/07/22 10:00
480-202504-4	MP235BR	Water	10/05/22 13:01	10/07/22 10:00
480-202504-5	MP-241R	Water	10/05/22 08:42	10/07/22 10:00
480-202504-6	MP-228R	Water	10/05/22 18:36	10/07/22 10:00
480-202504-7	MP-228AR	Water	10/05/22 18:11	10/07/22 10:00
480-202504-8	MP-233R	Water	10/05/22 15:52	10/07/22 10:00
480-202504-9	MP-232A	Water	10/05/22 15:23	10/07/22 10:00
480-202504-10	MP-235R	Water	10/05/22 14:49	10/07/22 10:00
480-202504-11	MP-251A	Water	10/05/22 14:52	10/07/22 10:00
480-202504-12	MP-210AR	Water	10/05/22 08:28	10/07/22 10:00
480-202504-13	MP-405A	Water	10/05/22 09:42	10/07/22 10:00
480-202504-14	MP-279	Water	10/05/22 11:04	10/07/22 10:00
480-202504-15	MP-211BR	Water	10/05/22 12:33	10/07/22 10:00
480-202504-16	MP-402A	Water	10/05/22 14:34	10/07/22 10:00
480-202504-17	MP-206AR	Water	10/05/22 13:36	10/07/22 10:00
480-202504-18	MP-230A	Water	10/05/22 15:52	10/07/22 10:00
480-202504-19	MP-234R	Water	10/05/22 10:27	10/07/22 10:00
480-202504-20	MP-234AR	Water	10/05/22 10:24	10/07/22 10:00
480-202504-21	MP-281	Water	10/05/22 11:35	10/07/22 10:00
480-202504-22	MP-281C	Water	10/05/22 11:34	10/07/22 10:00
480-202504-23	MP-274	Water	10/05/22 12:49	10/07/22 10:00
480-202504-24	MP-250	Water	10/05/22 08:59	10/07/22 10:00
480-202504-25	MP-250A	Water	10/05/22 08:59	10/07/22 10:00
480-202504-26	DMP DUP#3	Water	10/05/22 08:59	10/07/22 10:00
480-202504-27	MP-274A	Water	10/05/22 13:09	10/07/22 10:00
480-202504-28	MP-407	Water	10/05/22 14:22	10/07/22 10:00

Cincinnati
205

Chain of Custody Record

eurofins Environment Testing America

Eurofins - Buffalo
Amherst, NY 14228
Ph (716) 504-9852 Fax (716) 691-7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/5/22
Carrier: Eurofins Cinc

COC No: 1 of 1 COCs
TALS Project #
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No: A. Graham

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes
MP-408	10/4/22	1206	Grab	GW	13	Y*	X	X	X	X	X		8260 vials are unpreserved
MP-280	10/4/22	1352	Grab	GW	13	Y*	X	X	X	X	X		8260 vials are unpreserved
			~~Grab~~	~~GW~~	~~13~~	~~Y*~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	AOG	
			~~Grab~~	~~GW~~	~~13~~	~~Y*~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	AOG	
TRIP BLANKS	—	—	OTHER	O	3	N	X	X					
							2	2	4	2	6		

480-202459 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:
8260 vials are unpreserved.
Temp 2.4, 4.2, 4.3, 3.6 3:1 #1 ICE

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Andrew D. Graham	Eagon & Assocates, Inc.	10/5/22		Eurofins	10/5/22 920
	Eurofins	10/5/22 1200			
			Received in Laboratory by:	TA	10/6/22 1030

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Cincinnati
205

Chain of Custody Record

eurofins Environment Testing America

Eurofins - Buffalo
Amherst, NY 14228
Ph (716) 504-9852 Fax (716) 691-7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/5/22
Carrier: Euro-Cinci

COC No: 1 of 1 COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.: R. Jones, G. Perkins

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params.
Site: CECOS-Aber Rd
P O #

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes
MP-403A	10/4/22	1416	Grab	GW	13	Y*	X	X	X	X	X		
MP-214BR	↓	1455	Grab	GW	13	Y*	X	X	X	X	X		
MP-401A	↓	1623	Grab	GW	13	Y*	X	X	X	X	X		
MP-401B	↓	1725	Grab	GW	13	Y*	X	X	X	X	X		
Duplicate DMP #2	↓	1725	Grab	GW	13	Y*	X	X	X	X	X		
							2	2	4	2	6		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C) Obs'd: ____ Corr'd: ____ Therm ID No: ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Andrew D. Graham [signature]	Eagon & Associates, Inc.	10/5/22	[signature]	Eurofins	10/5/22 920
[signature]	Eurofins	10/5/22 1200			
			Received in Laboratory by: [signature]	TA	10/6/22 1030

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Cincinnati
205

Chain of Custody Record

eurofins | Environment Testing America

Eurofins - Buffalo
Amherst, NY 14228
Ph (716) 504-9852 Fax (716) 691-7991

Regulatory Program: ☐ DW ☐ NPDES | RCRA | Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer

Date: 10/5/22
Carrier: Eurofins-Cinc

COC No: 1 of 1 COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No: A. Graham

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes
MP-286C	10/4/22	1050	Grab	GW	13	Y*	X	X	X	X	X		
MP-280A	↓	1446	Grab	GW	13	Y*	X	X	X	X	X		
MP-277A	↓	1551	Grab	GW	13	Y*	X	X	X	X	X		
FIELD BLANK DMP #1	↓	1655	Grab	GW	13	Y*	X	X	X	X	X		
							2	2	4	2	6		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ | Therm ID No.: ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Andrew D. Graham	Eagon & Assocates, Inc.	10/5/22	[signature]	Eurofins	10/5/22 920
[signature]	Eurofins	10/5/22 1200			
			Received in Laboratory by: [signature] 10/6/22	TA	10/6/22 1030

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Cincinnati
205

Chain of Custody Record

eurofins | Environment Testing America

Eurofins - Buffalo
Amherst, NY 14228
Ph (716) 504-9852 Fax: (716) 691-7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params.
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/5/22
Carrier: Euro Cond

COC No: _____ of _____ COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
G. Perkins
R. Jones

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes:
MP-231AR	10/3/22	1447	Grab	GW	13	Y*	X	X	X	X	X		
MP-409		1600	Grab	GW	13	Y*	X	X	X	X	X		
DUPLICATE DMP #1		1600	Grab	GW	13	Y*	X	X	X	X	X		
MP-406C		1723	Grab	GW	13	Y*	X	X	X	X	X		
MP-213A		1838	Grab	GW	13	Y*	X	X	X	X	X		
							2	2	4	2	6		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graber	Eagon & Assocates, Inc.	10/5/22		Eurofins	10/5/22 920
Relinquished by:	Company: Eurofins	Date/Time: 10/5/22 1200	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 10/6/22 1030

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Cincinnati
205

Chain of Custody Record

eurofins | Environment Testing America

Eurofins - Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params
Site: CECOS-Aber Rd
P.O.#

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/5/22
Carrier: EWI - Cincin

COC No.: 1 of 1 COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
A. C. Perkins
R. Jones

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes:
MP-244ARR	10/4/22	1014	Grab	GW	13	Y*	X	X	X	X	X		
MP-244R	10/4/22	1134	Grab	GW	13	Y*	X	X	X	X	X		
MP-233AR	10/4/22	1235	Grab	GW	13	Y*	X	X	X	X	X		
MP-404A	10/4/22	1309	Grab	GW	13	Y*	X	X	X	X	X		
MP-404	10/4/22	~~1300~~ 1340	Grab	GW	13	Y*	X	X	X	X	X		
							2	2	4	2	6		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Andrew O. Graham	Eagon & Assocates, Inc.	10/5/22		Eurofins	10/5/22 930
	Eurofins	10/5/22 1210			
			Received in Laboratory by:	TA	10/6/22 1630

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Columbus 209

Chain of Custody Record

Eurofins - Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params.
Site: CECOS-Aber Rd
P O #

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/6/22
Carrier: Euro-Cals

COC No: 1 of 1 COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.: R. Jones G. Perkins

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes:
MP-237	10/5/22	1145	Grab	GW	13	Y*	X	X	X	X	X		
MP-238R	↓	0955	Grab	GW	13	Y*	X	X	X	X	X		
MP-235CR		1351	Grab	GW	13	Y*	X	X	X	X	X		
MP-235BR		1301	Grab	GW	13	Y*	X	X	X	X	X		
MP-241R	↓	0842	Grab	GW	13	Y*	X	X	X	X	X		

480-202504 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
#1 3.1, 2.7, 3.0, 2.4, 2.8, 3.3

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Eagon & Assocates, Inc.	10/6/22 1014	Gina Rivera	ETA	10-6-22 10:15
Gina Rivera	ETA	10-6-22 1700	C Wallace	TAB	10/7/22 1000

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Columbus
209

Chain of Custody Record

eurofins Environment Testing America

Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params.
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/6/22
Carrier: Euro-Cols.

COC No.: _____ of _____ COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
G. Perkins
R. Jones

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes
MP-228R	10/4/22	1836	Grab	GW	13	Y*	X	X	X	X	X		
MP-228AR	10/4/22	1811	Grab	GW	13	Y*	X	X	X	X	X		
MP-233R	10/5/22	1552	Grab	GW	13	Y*	X	X	X	X	X		
MP-232A	↓	1523	Grab	GW	13	Y*	X	X	X	X	X		
MP-235R	↓	1449	Grab	GW	13	Y*	X	X	X	X	X		
							2	2	4	2	6		

eservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

ssible Hazard Identification:
e any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments ction if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

cial Instructions/QC Requirements & Comments:

ustody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

quished by:	Company: Eagon & Assocates, Inc.	Date/Time: 10/6/22 1014	Received by: Gina Rivera	Company: ETA	Date/Time: 10-6-22 10:15
quished by: Gina Rivera	Company: ETA	Date/Time: 10-6-22 1700	Received by:	Company: TAB	Date/Time: 10/7/22 1000
uished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Eurofins - Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

Columbus 209

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Mike Gibson	Site Contact: Andrew Thompson	Date: 10/6/22	COC No: 1 of 1 COCs
Eagon & Associates, Inc.	Email: mgibson@eagoninc.com	Lab Contact: Brian Fischer	Carrier: Euro - Gls.	TALS Project #:
100 W. Old Wilson Bridge Rd, Suite 115	Tel/Fax: (614) 888-5760/5763			Sampler:
Worthington, Ohio 43085	Analysis Turnaround Time			For Lab Use Only:
(614) 888-5760 Phone	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5763 FAX	TAT if different from Below ____			Lab Sampling:
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 2 weeks			Job / SDG No.: R. Jones
Site: CECOS-Aber Rd	☐ 1 week			G. Perkins
P O #	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered	Sample Specific Notes:
MP-251A	10/5/22	1452	Grab	GW	13	Y*	X	X	X	X	X		
MP-210AR	↓	0828	Grab	GW	13	Y*	X	X	X	X	X		
MP-405A	↓	0942	Grab	GW	13	Y*	X	X	X	X	X		
MP-279	↓	1104	Grab	GW	13	Y*	X	X	X	X	X		
MP-211BR	↓	1233	Grab	GW	13	Y*	X	X	X	X	X		
							2	2	4	2	6		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Eagon & Associates, Inc.	10/6/22 1014	Gina Rivera	ETA	10-6-22 10:15
Gina Rivera	ETA	10-6-22 1700	[signature]	TAB	10/7/22 1000
			Received in Laboratory by:		

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Columbus
209

Chain of Custody Record

Eurofins - Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params.
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/6/22
Carrier: Como - Cols.

COC No: 1 of 1 COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
A. Graham
G. Perkins
R. Jones
Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program	* - only metals bottles are field filtered
MP-402A	10/5/22	1434	Grab	GW	13	Y*	X	X	X	X	X	
MP-206AR	↓	1336	Grab	GW	13	Y*	X	X	X	X	X	
(DMP-MS) MP-206AR MS *		1336	Grab	GW	13	Y*	X	X	X	X	X	
(DMP-MSD) MP-206AR MSD *		1336	Grab	GW	13	Y*	X	X	X	X	X	
MP-230A	↓	1552	Grab	GW	13	Y*	X	X	X	X	X	
							2	2	4	2	6	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
* LABELED AS DMP-MS & DMP-MSD

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Eagon & Assocates, Inc.	10/6/22 1014	Gina Rivera	ETA	10-6-22 10:15
Gina Rivera	ETA	10-6-22 1700	[signature]	TAB	10/7/22 1000
			Received in Laboratory by:		

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Eurofins - Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

Columbus
209

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params.
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/6/22
Carrier: Cure - Cols.

COC No: 1 of 1 COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.: A. Gray

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)		VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program				* - only metals bottles are field filtered							Sample Specific Notes:
MP-234R	10/5/22	1027	Grab	GW	13	Y*		X	X	X	X	X											
MP-234AR		1024	Grab	GW	13	Y*		X	X	X	X	X											
MP-281		1135	Grab	GW	13	Y*		X	X	X	X	X											
MP-281C		1134	Grab	GW	13	Y*		X	X	X	X	X											
MP-274		1249	Grab	GW	13	Y*		X	X	X	X	X											

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

TAB

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Eagon & Assocates, Inc.	10/14/22 1614	Gina Rivera	ETA	10-6-22 10:15
Gina Rivera	ETA	10-6-22 1700	[signature]	TAB	10/7/22 1000
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Columbus
209

Chain of Custody Record

Eurofins - Buffalo
Amherst, NY 14228
Ph (716) 504-9852 Fax: (716) 691-7991

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - Semiannual Sampling w/ TSCA params.
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 10/6/22
Carrier: Kuno - Cols.

COC No.
1 of 1 COCs
TALS Project #
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
N. Jones
A. Gray

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)		VOCs (8260C)	VOCs (8011)	Diss. Metals* (6010C, 6020A, 7470A)	TOC (9060A) / TSCA Program	PCBs (8082A) / TSCA Program					* - only metals bottles are field filtered								Sample Specific Notes:
MP-250	10/5/22	0859	Grab	GW	13	Y*		X	X	X	X	X													
MP-250A	↓	0859	Grab	GW	13	Y*		X	X	X	X	X													
DMP Dup #3		0859	Grab	GW	13	Y*		X	X	X	X	X													
MP-274A		1300	Grab	GW	13	Y*		X	X	X	X	X													
MP-407	↓	1422	Grab	GW	13	Y*		X	X	X	X	X													
								2	2	4	2	6													

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Eagon & Assocates, Inc.	10/6/22 1614	Gina Rivera	ETA	10-6-22 10:15
Gina Rivera	ETA	10-6-22 1700	[signature]	TAB	10/7/22 1000
Relinquished by	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-202459-1

Login Number: 202459

List Source: Eurofins Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	EAGON & ASSOCIATES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-202459-1

Login Number: 202504

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Quantitation Limit Exceptions Summary

Client: Republic Services Inc
Job ID: 480-202459-1
Project/Site: Aber Rd. Landfill - DMP Semiannual

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Hexachlorobutadiene	Water	Total/NA	ug/L	1.0	2.0

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-206AR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 0948

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 916.73 (ft/msl)

Depth to Water (DTW) (from TOC) 19.94 (ft)

Groundwater Elevation (site datum, from TOC) 906.79 (ft/msl)

Total Well Depth (from TOC) 29.90 (ft)

Water Column Height (well depth - DTW) 19.96 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/22	1317	00:19	07	76	108

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1310	1988	—	—	—	—	—	—
1317	START	100	—	—	—	—	400
1327	1989	40	6.74	285.1	16.3	—	"
1330	1990	52	6.74	283.7	16.2	—	"
1333	1991	64	6.74	282.8	16.1	—	"
1336	1991	76	6.74	283.2	16.1	3.92	✓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	1336	76	6.74	283.2	16.1	3.92	400

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-2 MPH WNW Air Temp: 73°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.07
ORP (mV) = 32.2

FIELD COMMENTS

Matrix Spike + Matrix Spike Duplicate Collected Here

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

Sample Name Matrix Spike: DMP-MS
Matrix Spike Duplicate: DMP-MSD

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/05/22 Date — Ryan Jones Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-210AR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 09:51

Purge/Sample Method: Dry
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 912.83 (ft/msl)

Depth to Water (DTW) (from TOC) 5.49 (ft)

Groundwater Elevation (site datum, from TOC) 907.34 (ft/msl)

Total Well Depth (from TOC) 42.90 (ft)

Water Column Height (well depth - DTW) 37.41 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L, Gal) IN (PUMP/TUBING, WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters, Gallons) *circle one*	PUMP/TUBING, WELL VOLS PURGED *(optional)*
10/04/22	08:09	01:19	24.4	27.5	1.12

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L, Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
08:06	5.55	—	—	—	—	—	—
08:09	START	0.0	—	—	—	—	—
09:28	DRY	27.5	—	—	—	—	—
10/05/22	SAMPLE	—	—	—	—	—	—
08:28	25.14	27.5	7.14	8910	13.3	3.33	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L, Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	08:28	27.5	7.14	8910	13.3	3.33	—

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: calm Air Temp: 43°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 2.42
ORP (mV) = 75.6

FIELD COMMENTS

42.90' - 5.55' = 37.35' × 0.652 = 24.35 gals × 3 = 73.05 gals

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/05/22 Date — Jon Jones Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-211BR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 1010

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 911.09 (ft/msl)

Depth to Water (DTW) (from TOC) 7.25 (ft)

Groundwater Elevation (site datum, from TOC) 903.84 (ft/msl)

Total Well Depth (from TOC) 329.0 (ft)

Water Column Height (well depth - DTW) 256.5 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C
Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/22	1203	0030	07	70	10.0

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1115	7.45	—	—	—	—	—	—
1203	START	0.0	—	—	—	—	500
1213	8.80	5.0	7.16	9.75	16.5	—	100
1218	8.79	5.5	7.15	9.70	18.4	—	↓
1223	8.85	6.0	7.14	9.61	18.7	—	↓
1228	8.86	6.5	7.14	9.57	18.9	—	↓
1233	8.89	7.0	7.14	9.57	18.9	28.6	✓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	1233	7.0	7.14	9.57	18.9	28.6	100

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-2 MPH WNW Air Temp: 69°F Precipitation: Y (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = .22
ORP (mV) = 63.4

FIELD COMMENTS

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/05/22 — Date
Ryan Jones — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-213A

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 1012

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 929.8 (ft/msl)

Depth to Water (DTW) (from TOC) 18.81 (ft)

Groundwater Elevation (site datum, from TOC) 894.17 (ft/msl)

Total Well Depth (from TOC) 32.50 (ft)

Water Column Height (well depth - DTW) 13.69 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/03/22	1818	210	07	80	114

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1814	1815	—	—	—	—	—	—
1818	START	00	—	—	—	—	400
1821	1816	40	6.67	2382	14.3	—	↓
1823	1815	60	6.66	2375	14.3	—	↓
1838	1810	80	6.65	2368	14.3	2.62	N/A

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/03/22	1838	80	6.65	2368	14.3	2.62	400

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: calm Air Temp: 72°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.06
ORP (mV) = -135.5

FIELD COMMENTS

* Initial purge water contained ants

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/3/22 — Date
Gabriel Perkins — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-214BR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 10:49

Purge/Sample Method: Dry
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 910.29 (ft/msl)

Depth to Water (DTW) (from TOC) 15.82 (ft)

Groundwater Elevation (site datum, from TOC) 894.47 (ft/msl)

Total Well Depth (from TOC) 30.20 (ft)

Water Column Height (well depth - DTW) 14.38 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device C

Pump Type (Vol) B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

X - Other —

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING/WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters / Gallons) *circle one*	PUMP/TUBING/WELL VOLS PURGED *(optional)*
10/03/22	16:45	01:32	94	278	2.95

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
16:44	15.81						
16:45	START	100					
18:17	DRY	278					
10/04/22	SAMPLE						
14:55	15.75	278	5.25	1180.5	15.3	24.9	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	14:55	278	5.25	1180.5	15.3	24.9	

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-5 MPH N **Air Temp:** 68°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.39

ORP (mV) = 138.7

FIELD COMMENTS

30.20' - 15.81' = 14.39' x 0.652 = 9.38 gals x 3 = 28.14 gals

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/04/22 — Date

Ryan Jones — Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: Mp-228AR

WELL DATA

Water-Level Date: 10 03 22 (MM/DD/YY)

Water-Level Time: 1028

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 911.64 (ft/msl)

Depth to Water (DTW) (from TOC) 15.32 (ft)

Groundwater Elevation (site datum, from TOC) 896.32 (ft/msl)

Total Well Depth (from TOC) 40.30 (ft)

Water Column Height (well depth - DTW) 24.98 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
100422	1753	118	08	72	9.09

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1749	1516	—	—	—	—	—	—
1753	START	00	—	—	—	—	400
1803	1519	40	706	1179	147	—	↓
1807	1522	56	706	1167	147	—	↓
1811	1519	72	706	1154	147	112	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100422	1811	72	706	1154	14.7	112	400

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: Calm **Air Temp:** 63°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.03
ORP (mV) = -31.8

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10.5.22 Date — Gabriel Perkins Name — [signature] Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP - 228R

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 10:24

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 911.41 (ft/msl)

Depth to Water (DTW) (from TOC) 13.76 (ft)

Groundwater Elevation (site datum, from TOC) 897.65 (ft/msl)

Total Well Depth (from TOC) 72.25 (ft)

Water Column Height (well depth - DTW) 58.49 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING; WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters; Gallons) *circle one*	PUMP/TUBING-WELL VOLS PURGED *(optional)*
10/04/22	1814	00:22	12	68	5.66

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1807	13.73	—	—	—	—	—	—
1814	START	100	—	—	—	—	500
1824	15.22	56	7.60	1.801	14.6	—	150
1828	15.17	56	7.56	1.803	15.1	—	11
1832	15.15	62	7.53	1.806	15.2	—	11
1836	15.12	68	7.51	1.812	15.2	37.3	11

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	1836	68	7.51	1.812	15.2	37.3	150

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-2 MPH NNW Air Temp: 64°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.28
ORP (mV) = -18.8

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/04/22 Name: Ryan Jones Signature: [signature]

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-230A

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 1015

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 908.75 (ft/msl)

Depth to Water (DTW) (from TOC) 13.91 (ft)

Groundwater Elevation (site datum, from TOC) 894.84 (ft/msl)

Total Well Depth (from TOC) 30.40 (ft)

Water Column Height (well depth - DTW) 16.49 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/22	1530	00:22	07	86	1.22

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1524	13.71	—	—	—	—	—	—
1530	START	100	—	—	—	—	500
1540	14.85	50	7.23	1101	16.5	—	300
1544	14.73	62	7.18	1119	16.8	—	↓
1548	14.65	74	7.15	1126	16.7	—	↓
1552 (W)	14.56	86	7.14	1132	16.6	5.19	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	1552	86	7.14	1132	16.6	5.19	300

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-3 MPH NW **Air Temp:** 74°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.26
ORP (mV) = -69.9

FIELD COMMENTS

R: 10 sec → 16
D: 5 sec @ 20 psi → 4 @ 20

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/05/22 Name: Ryan Jones Signature: [signature]

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-231AR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 0918

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 915.73 (ft/msl)

Depth to Water (DTW) (from TOC) 8.91 (ft)

Groundwater Elevation (site datum, from TOC) 966.82 (ft/msl)

Total Well Depth (from TOC) 30.60 (ft)

Water Column Height (well depth - DTW) 21.69 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/03/22	14:32	1:16	07	68	9.71

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1428	8.91	—	—	—	—	—	—
1432	START	00	—	—	—	—	500
1442	9.08	50	7.11	2934	18.9	—	300
1445	9.16	59	7.16	2895	19.1	—	
1447	9.24	68	7.16	2902	19.1	8.98	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/03/22	1447	68	7.16	2902	19.1	8.98	300

FIELD COMMENTS

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-5 mph NNW **Air Temp:** 68°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.53
ORP (mV) = 29.40

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/3/22 — Date
Gabriel Perkins — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-232A

WELL DATA

Water-Level Date: 110/3/12 (MM/DD/YY)

Water-Level Time: 110:11

Purge/Sample Method: CF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 909.75 (ft/msl)

Depth to Water (DTW) (from TOC) 15.31 (ft)

Groundwater Elevation (site datum, from TOC) 894.44 (ft/msl)

Total Well Depth (from TOC) 37.0 (ft)

Water Column Height (well depth - DTW) 20.39 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L; Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters; Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
110/5/12	15:07	0:11:16	07	64	9.1

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L; Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
14:59	15:12	—	—	—	—	—	—
15:07	START	100	—	—	—	—	410
15:17	MP 15.21	140	7.01	1136	15.5	—	11
15:20	MP 15.21	15.2	6.99	1136	15.5	—	11
15:23	15:21	MP 6.74	6.99	1136	15.5	10.02	11

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L; Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
110/5/12	15:23	6.4	6.99	1136	15.5	10.02	410

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: SE 3 mph **Air Temp:** 75° F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.16
ORP (mV) = -1.8

FIELD COMMENTS

R: 12 sec
D: 3 sec @ 25 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
McKenzie Berison — Name
McKenzie Berison — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-233AR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 09:59

Purge/Sample Method: Dry
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 907.44 (ft/msl)

Depth to Water (DTW) (from TOC) 5.20 (ft)

Groundwater Elevation (site datum, from TOC) 902.24 (ft/msl)

Total Well Depth (from TOC) 27.70 (ft)

Water Column Height (well depth - DTW) 22.50 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/03/22	14:05	00:55	147	180	1.22

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
14:03	5.21	—	—	—	—	—	—
14:05	START	100	—	—	—	—	—
15:00	DRY	180	—	—	—	—	—
10/04/22	SAMPLE	—	—	—	—	—	—
12:35	10.24	180	6.70	1391	18.3	64.5	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	12:35	180	6.70	1391	18.3	64.5	—

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-5 MPH NE **Air Temp:** 63°F **Precipitation:** Y (or) N

FIELD COMMENTS

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.73
ORP (mV) = 11.7

27.70' - 5.21' = 22.49' x 0.652 = 14.66 gal x 3 = 43.98 gals

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/04/22 — Date

Ryan Jones — Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-233R

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 09:56

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 907.06 (ft/msl)

Depth to Water (DTW) (from TOC) 11.08 (ft)

Groundwater Elevation (site datum, from TOC) 895.92 (ft/msl)

Total Well Depth (from TOC) 80.20 (ft)

Water Column Height (well depth - DTW) 69.12 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/22	15:32	00:20	11	15.0	4.54

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
15:28	11.03	—	—	—	—	—	—
15:32	START	0.0	—	—	—	—	300
15:42	11.46	3.6	7.50	1188.9	18.4	—	200
15:47	11.49	4.0	7.51	1942	18.1	—	↓
15:52	11.52	5.0	7.49	1932	18.2	33.2	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	15:52	5.0	7.49	1932	18.2	33.2	200

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: Calm **Air Temp:** 72° F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.07
ORP (mV) = -149.4

FIELD COMMENTS

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Gabriel Kerkin — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-234AR

WELL DATA

Water-Level Date: 10/03/12 (MM/DD/YY)

Water-Level Time: 11:28

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 910.90 (ft/msl)

Depth to Water (DTW) (from TOC) 7.36 (ft)

Groundwater Elevation (site datum, from TOC) 903.54 (ft/msl)

Total Well Depth (from TOC) 24.60 (ft)

Water Column Height (well depth - DTW) 17.24 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device: C
Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/12	10:06	00:18	06	72	1.20

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
09:50	17.26	—	—	—	—	—	—
10:06	START	100	—	—	—	—	400
10:11	(MB) 7.88	140	6.85	2.54	15.0	—	↓
10:20	(MB) 7.86	56	6.83	2.56.4	15.0	—	↓
10:24	(MB) 7.32	72	6.80	2.59.8	15.0	10.02	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/12	10:24	72	6.80	2.59.8	15.0	10.02	400

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: SE 1 mph **Air Temp:** 56° F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 3.55
ORP (mV) = 73.5

FIELD COMMENTS

R: 10 s
D: 5 s @ 20 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Mckenzie Barton — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-234R

WELL DATA

Water-Level Date: 10 03 22 (MM/DD/YY)

Water-Level Time: 11 27

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 911.88 (ft/msl)

Depth to Water (DTW) (from TOC): 13.95 (ft)

Groundwater Elevation (site datum, from TOC): 897.93 (ft/msl)

Total Well Depth (from TOC): 75.46 (ft)

Water Column Height (well depth - DTW): 61.45 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol): B

A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B

A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

X - Other: —

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING: WELL CASING) circle one of each	TOTAL VOL PURGED (Liters: Gallons) circle one	PUMP/TUBING: WELL VOLS PURGED (optional)
10 05 22	10 05	00 22	11	68	6.18

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
10:00	14.02	—	—	—	—	—	—
10:05	START	00	—	—	—	—	500
10:15	15.23	50	7.05	4419	14.4	—	150
10:19	15.22	56	7.05	4349	15.3	—	↓
10:23	15.18	62	7.04	4254	15.4	—	↓
10:27	15.14	68	7.05	4228	15.5	0.02	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10 05 22	10:27	68	7.05	4228	15.5	0.02	150

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: NE 1 mph Air Temp: 52°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 7.32
ORP (mV) = +23.6

R: 9s → 53s
D: 6s @ 40 psi → 7s @ 40 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Date — Abbey Gray Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-235BR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 1112

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 914.84 (ft/msl)

Depth to Water (DTW) (from TOC) 15.16 (ft)

Groundwater Elevation (site datum, from TOC) 899.68 (ft/msl)

Total Well Depth (from TOC) 38.63 (ft)

Water Column Height (well depth - DTW) 23.47 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING/WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING/WELL VOLS PURGED *(optional)*
10/05/22	1240	1:11	08	72	9.0

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1236	15.02	—	—	—	—	—	—
1240	START	100	—	—	—	—	400
1255	16.76	160	7.04	1175	15.6	—	200
1258	16.71	166	7.04	1176.7	15.9	—	—
1301	16.72	177	7.02	1749	16.1	05.9	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	1301	177	7.02	1749	16.1	05.9	200

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: calm Air Temp: 70°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.12
ORP (mV) = 18.7

FIELD COMMENTS

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Date — Gabriel Parkin Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-235CR

WELL DATA

Water-Level Date: 100321 (MM/DD/YY)

Water-Level Time: 11:20

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 914.66 (ft/msl)

Depth to Water (DTW) (from TOC) 11.05 (ft)

Groundwater Elevation (site datum, from TOC) 903.61 (ft/msl)

Total Well Depth (from TOC) 27.90 (ft)

Water Column Height (well depth - DTW) 16.85 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: ____

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
100520	1332	0019	06	68	113

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1328	10.95	—	—	—	—	—	
1332	START	00	—	—	—	—	500
1342	12.91	50	6.83	1697	16.4	—	200
1345	12.91	56	6.84	1692	16.5	—	↓
1348	12.90	62	6.83	1689	16.7	—	↓
1351	12.89	68	6.83	1682	16.6	0.25	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100522	1351	68	6.83	1682	11.5	0.25	200

FIELD COMMENTS

Sample Appearance: ~~none~~ clear

Odor: none

Color: none

Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 7 calm

Air Temp: 71°F

Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 8.21
ORP (mV) = 106.8

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Gabriel Perkins — Name
[signature] — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-235R

WELL DATA

Water-Level Date: 10/05/22 (MM/DD/YY)

Water-Level Time: 11:15

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 914.84 (ft/msl)

Depth to Water (DTW) (from TOC) 17.65 (ft)

Groundwater Elevation (site datum, from TOC) 897.19 (ft/msl)

Total Well Depth (from TOC) 72.20 (ft)

Water Column Height (well depth - DTW) 54.55 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft): A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/22	14:30	00:10	10	67	67

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
14:28	18.63	—	—	—	—	—	—
14:30	START	0	—	—	—	—	400
14:40	19.51	40	7.43	1678	15.5	—	300
14:43	19.45	49	7.42	1666	15.6	—	↓
14:46	19.35	58	7.36	1665	15.7	—	↓
14:49	19.32	67	7.34	1653	15.8	0.39	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	14:49	67	7.34	1653	15.8	0.39	300

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: Calm **Air Temp:** 72°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.62
ORP (mV) = -18.3

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Gabriel Perkin — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-237

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 1112

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 913.68 (ft/msl)

Depth to Water (DTW) (from TOC) 16.14 (ft)

Groundwater Elevation (site datum, from TOC) 897.54 (ft/msl)

Total Well Depth (from TOC) 71.10 (ft)

Water Column Height (well depth - DTW) 54.96 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device C — A-Submersible Pump, B-Peristaltic Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device C — C-Bladder Pump

X - Other

Pump Type (Vol) B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/5/22	1110	135	10	95	9.5

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1106	116.11	—	—	—	—	—	—
1110	START	100	—	—	—	—	400
1120	1190.5	140	9.13	9.39	15.4	—	300
1125	1187.11	155	8.96	9.59	15.7	—	—
1130	1184.8	170	8.40	10.06	15.8	—	—
1135	1183.2	185	8.10	10.27	15.8	—	—
1140	1183.8	190	8.06	10.33	16.0	—	—
1145	1183.5	195	8.02	10.31	16.0	5.25	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/5/22	1145	195	8.02	10.31	16.0	5.25	300

FIELD COMMENTS

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 7mph SE Air Temp: 67°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.27
ORP (mV) = -48.2

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Gabriel Perkins — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: Mp-238R

WELL DATA

Water-Level Date: 10 03 22 (MM/DD/YY)

Water-Level Time: 12 12

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 91531 (ft/msl)

Depth to Water (DTW) (from TOC) 1725 (ft)

Groundwater Elevation (site datum, from TOC) 89806 (ft/msl)

Total Well Depth (from TOC) 6150 (ft)

Water Column Height (well depth - DTW) 4425 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10 05 22	09 29	26	10	116	116

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
0925	1726	—	—	—	—	—	—
0929	START	100	—	—	—	—	100
0939	—	100	—	—	—	—	100
0949	2026	110	742	873	162	—	
0952	2031	113	741	872	162	—	
0955	2036	116	741	869	163	074	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10 05 22	0955	116	741	869	163	074	100

FIELD COMMENTS

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: Calm **Air Temp:** 59°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.32
ORP (mV) = -12.4

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Gabriel Perkins [signature]
Date Name Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-241R

WELL DATA

Water-Level Date: 10/3/22 (MM/DD/YY)

Water-Level Time: 1205

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 913.57 (ft/msl)

Depth to Water (DTW) (from TOC) 16.06 (ft)

Groundwater Elevation (site datum, from TOC) 897.51 (ft/msl)

Total Well Depth (from TOC) 60.40 (ft)

Water Column Height (well depth - DTW) 44.34 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ (circle or fill in)

Purging Device C — A-Submersible Pump, B-Peristaltic Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device C — C-Bladder Pump

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	TOTAL VOL PURGED (Liters; Gallons) circle one	PUMP/TUBING:WELL VOLS PURGED (optional)
10/5/22	0811	2:8	10	208	8.08

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
0811	16.16	—	—	—	—	—	—
0814	START	100	—	—	—	—	100
0834	24.42	200	8.69	8.16	13.9	—	100
0838	24.51	204	8.68	8.05	14.0	—	↓
0842	24.59	208	8.66	8.10	14.1	45.8	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/5/22	0842	208	8.66	8.10	14.1	45.8	100

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: calm **Air Temp:** 42°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.09
ORP (mV) = +6.85

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Gabriel Perkins — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-244ARR

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 09:07

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 909.82 (ft/msl)

Depth to Water (DTW) (from TOC) 14.84 (ft)

Groundwater Elevation (site datum, from TOC) 894.98 (ft/msl)

Total Well Depth (from TOC) 278.0 (ft)

Water Column Height (well depth - DTW) 129.6 (ft)

Casing ID 6.4 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C — C-Bladder Pump

X - Other: —

Pump Type (Vol): B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft): B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	TOTAL VOL PURGED (Liters / Gallons) circle one	PUMP/TUBING/WELL VOLS PURGED (optional)
10/04/22	09:56	01:18	06	74	1.23

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
09:53	14.77	—	—	—	—	—	—
09:56	START	100	—	—	—	—	500
10:06	15.29	150	6.64	1147	16.1	—	300
10:10	15.27	162	6.64	1145	16.2	—	—
10:14	15.22	174	6.66	1136	16.3	78.0	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	10:14	174	6.66	1136	16.3	78.0	300

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): **Wind Speed / Direction:** 0-4 MPH NNE **Air Temp:** 53°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.15
ORP (mV) = -52.9

Refill: 11 sec → 17 sec
Discharge: 4 sec @ 20 psi → 3 sec @ 20 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10.04.22 Name: Ryan Jones Signature: [signature]

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP - 244R

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 09:09

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 909.73 (ft/msl)

Depth to Water (DTW) (from TOC) 11.94 (ft)

Groundwater Elevation (site datum, from TOC) 897.79 (ft/msl)

Total Well Depth (from TOC) 67.20 (ft)

Water Column Height (well depth - DTW) 55.26 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/04/22	10:48	00:46	10	12.2	1.2

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
10:42	11.92	—	—	—	—	—	—
10:48	START	10	—	—	—	—	500
10:58	13.42	15.0	8.32	1137	16.7	—	200
11:02	13.40	15.8	8.30	1138	17.0	—	—
11:06	13.30	16.6	7.73	1167	17.3	—	—
11:10	13.25	17.4	7.22	1190	17.2	—	—
11:14	13.19	18.2	7.04	1197	17.5	—	—
11:18	13.14	19.0	6.86	1200	17.4	—	—
11:22	13.12	19.8	6.80	1205	17.6	—	—
11:26	13.08	10.6	6.76	1208	17.5	—	—
11:30	13.05	11.4	6.76	1211	17.7	—	—
11:34	13.04	12.2	6.78	1213	17.7	3.15	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	11:34	12.2	6.78	1213	17.7	3.15	200

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-6 MPH NNE Air Temp: 60°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.34
ORP (mV) = -51.2

FIELD COMMENTS

Refill: 10 sec → 25 sec
Discharge: 5 sec @ 30 psi → 5 sec @ 25 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/04/22 — Date
Ryan Jones — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-250

WELL DATA

Water-Level Date: 10/3/22 (MM/DD/YY)

Water-Level Time: 0913

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 910.07 (ft/msl)

Depth to Water (DTW) (from TOC) 11.92 (ft)

Groundwater Elevation (site datum, from TOC) 898.15 (ft/msl)

Total Well Depth (from TOC) 57.90 (ft)

Water Column Height (well depth - DTW) 45.98 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X - Other: —

Pump Type (Vol): B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft): B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/5/22	0813:19	00:20	09	80	8.8

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
0813:12	11.96	—	—	—	—	—	—
0813:19	START	100	—	—	—	—	500
0814:19	11.35	50	7.09	8.97	14.0	—	300
0815:14	11.37	65	7.07	8.96	14.2	—	↓
0815:19	11.36	80	7.07	8.95	14.3	00.12	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/5/22	0815:19	80	7.07	8.95	14.3	00.12	300

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): **Wind Speed / Direction:** 5.0 mph **Air Temp:** 46.0°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.25

ORP (mV) = +32.4

FIELD COMMENTS

R: 8 s → 14 s

D: 7 s @ 35 psi → 6 s @ 35 psi

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/5/22 Name: Abbey Gray Signature: [signature]

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-250A

WELL DATA

Water-Level Date: 100322 (MM/DD/YY)

Water-Level Time: 0915

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 91024 (ft/msl)

Depth to Water (DTW) (from TOC) 1082 (ft)

Groundwater Elevation (site datum, from TOC) 89942 (ft/msl)

Total Well Depth (from TOC) 4040 (ft)

Water Column Height (well depth - DTW) 2958 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
100522	0839	0020	08	80	10.0

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
0823	1067 (MB)	—	—	—	—	—	—
0839	START	100	—	—	—	—	400
0849	1074	40	7.11	1277	140	—	
0854	1074	60	7.10	1273	140	—	
0859	1074	80	7.10	1269	140	0.02	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100522	0859	80	7.10	1269	140	0.02	400

FIELD COMMENTS

Sample Appearance: Clear **Odor:** None **Color:** None **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 50 mph **Air Temp:** 46° F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05
ORP (mV) = -32.8

R: 11s
D: 4s @ 25 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
McKenzie Bertson — Name
McKenzie Bertson — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-251A

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 09:58

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 911.54 (ft/msl)

Depth to Water (DTW) (from TOC) 498 (ft)

Groundwater Elevation (site datum, from TOC) 906.56 (ft/msl)

Total Well Depth (from TOC) 404.0 (ft)

Water Column Height (well depth - DTW) 354.2 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45μ) or _____ μ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other _____

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/22	14:27	00:25	08	70	8.75

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (μmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
14:22	490	—	—	—	—	—	—
14:27	START	00	—	—	—	—	400
14:37	574	40	7.80	8.46	16.3	—	200
14:42	564	50	7.79	8.46	18.0	—	↓
14:47	556	60	7.76	8.41	18.1	—	↓
14:52	553	70	7.69	8.43	18.1	5.19	✓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (μmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	14:52	70	7.69	8.43	18.1	5.19	200

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-5 MPH NNW Air Temp: 74°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.10
ORP (mV) = -230.6

FIELD COMMENTS

R: 12 s → 27
D: 3 @ 20 psi → 3 @ 20

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Date — Ryan Jones Name — Signature

EAGON & ASSOCIATES, INC.

V-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-274

WELL DATA

Water-Level Date: 10 03 22 (MM/DD/YY)

Water-Level Time: 12:23

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 91220 (ft/msl)

Depth to Water (DTW) (from TOC) 17.26 (ft)

Groundwater Elevation (site datum, from TOC) 89494 (ft/msl)

Total Well Depth (from TOC) 75.50 (ft)

Water Column Height (well depth - DTW) 58.24 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device C

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING: WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING: WELL VOLS PURGED *(optional)*
10 05 22	12:31	00:18	11	54	4.90

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
12:28	17.34	—	—	—	—	—	—
12:31	START	0.0	—	—	—	—	500
12:37	18.05	3.0	7.37	1093	14.9	—	200
12:41	18.04	3.8	7.37	1101	15.7	—	↓
12:45	17.97	4.6	7.36	1097	15.8	—	↓
12:49	17.91	5.4	7.35	1098	15.9	0.02	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10 05 22	12:49	5.4	7.35	1098	15.9	0.02	200

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: N 1 mph Air Temp: 70°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.13
ORP (mV) = -103.8

R: 10 s → 26 s
D: 5 s @ 40 psi → 4 s @ 40 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Date — Abbey Gray Name — Signature

EAGON & ASSOCIATES, INC.

A-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-274A

WELL DATA

Water-Level Date: 10/3/22 (MM/DD/YY)

Water-Level Time: 12:21

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 912.78 (ft/msl)

Depth to Water (DTW) (from TOC) 18.19 (ft)

Groundwater Elevation (site datum, from TOC) 894.59 (ft/msl)

Total Well Depth (from TOC) 327.0 (ft)

Water Column Height (well depth - DTW) 145.1 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/5/22	12:36	01:33	07	132	188

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
12:30	18.15	—	—	—	—	—	—
12:36	START	100	—	—	—	—	400
13:01	18.19	100	6.96	1347	15.2	—	↓
13:05	18.19	116	6.96	1349	15.2	—	↓
13:09	18.19	132	6.96	1346	15.3	10.02	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/5/22	13:09	132	6.96	1346	15.3	10.02	400

Sample Appearance: Clear **Odor:** None **Color:** Sl. orange **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: SE 1 mph **Air Temp:** 68° F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.08
ORP (mV) = -216.7

FIELD COMMENTS

R 9 s * initial purge water colored, cleared as well purged.
D: 6 s @ 20 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature
10/5/22	Mckenzie Bartsch	Mckenzie Bartsch

EAGON & ASSOCIATES, INC.

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-277A

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 0927

Purge/Sample Method: LP
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 915.24 (ft/msl)

Depth to Water (DTW) (from TOC) 8.61 (ft)

Groundwater Elevation (site datum, from TOC) 906.63 (ft/msl)

Total Well Depth (from TOC) 47.30 (ft)

Water Column Height (well depth - DTW) 38.69 (ft)

Casing ID Φ4 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45μ) or _____ μ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/04/22	1520	0311	08	157	1.96

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (μmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1517	8.54						
1520	START	0.0					500
1535	10.38	12.5	7.07	1443	15.6	—	200
1539	10.38	13.3	7.07	1440	16.0	—	↓
1543	10.40	14.1	7.12	1388	16.5	—	↓
1547	10.40	14.9	7.16	1364	16.4	—	↓
1551	10.40	15.7	7.19	1351	16.3	14.9	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (μmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	1551	15.7	7.19	1351	16.3	14.9	200

FIELD COMMENTS

Sample Appearance: Clear **Odor:** None / slt. sulfur odor @ sample **Color:** None **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: ~0-5 mph / NE **Air Temp:** ~70°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05
ORP (mV) = −79.3

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/4/22 — Date
Andrew D. Graham — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-279

WELL DATA

Water-Level Date: 100322 (MM/DD/YY)

Water-Level Time: 1021

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 910.36 (ft/msl)

Depth to Water (DTW) (from TOC) 9.79 (ft)

Groundwater Elevation (site datum, from TOC) 900.57 (ft/msl)

Total Well Depth (from TOC) 102.60 (ft)

Water Column Height (well depth - DTW) 92.81 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X - Other: ____

Pump Type (Vol): B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft): B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
100522	1022	0042	13	138	10.6

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1015	976	—	—	—	—	—	—
1022	START	00	—	—	—	—	500
1032	1205	50	711	7363	145	—	~~200~~ 400
1037	1210	7~~6~~0	708	7530	146	—	400
1042	1219	9.8~~7~~0	704	8038	148	—	2 ~~4~~00
1047	1155	10.8~~8~~0	704	8098	157	—	200
1054	1138	118	703	8136	159	—	200
1059	1126	128	703	8150	161	—	200
1104	1120	138	703	8178	161	532	200

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100522	1104	138	703	8178	161	532	200

Sample Appearance: clear **Odor:** none **Color:** none **Other:** ____

Weather Conditions (at sample time): Wind Speed / Direction: 0-1 MPH NW **Air Temp:** 63°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.09
ORP (mV) = -122.5

FIELD COMMENTS

R: 23 s
P: 7 s @ 50 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Ryan Jones — Name
Signature

EAGON & ASSOCIATES, INC.

A-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-280

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 10:35

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 912.49 (ft/msl)

Depth to Water (DTW) (from TOC) 14.13 (ft)

Groundwater Elevation (site datum, from TOC) 898.36 (ft/msl)

Total Well Depth (from TOC) 107.40 (ft)

Water Column Height (well depth - DTW) 93.27 (ft)

Casing ID Φ (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or — µ (circle or fill in)

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING: WELL CASING) circle one of each	TOTAL VOL PURGED (Liters : Gallons) circle one	PUMP/TUBING: WELL VOLS PURGED (optional)
10/14/22	13:20	0:32	14	12.2	8.7

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
13:17	14.10						
13:20	START	100					100
13:30	26.01	110					100
13:40	25.73	11.10	7.50	1140.14	18.1		
13:44	25.70	11.14	7.50	1140.12	18.5		
13:48	25.67	11.18	7.51	1140.11	18.6		
13:52	25.65	12.2	7.51	1139.5	18.7	27.7	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/14/22	13:52	12.2	7.51	1139.5	18.7	27.7	100

Sample Appearance: Clear ~ slt. cloudy **Odor:** None **Color:** None **Other:** —

Weather Conditions (at sample time): **Wind Speed / Direction:** ~0 mph / — **Air Temp:** ~65°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.12

ORP (mV) = −180.6

FIELD COMMENTS

Purge & Sample water was effervescent.

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/4/22 — Date

Andrew D. Graham — Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-280A

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 10:32

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 912.28 (ft/msl)

Depth to Water (DTW) (from TOC) 18.15 (ft)

Groundwater Elevation (site datum, from TOC) 894.13 (ft/msl)

Total Well Depth (from TOC) 35.30 (ft)

Water Column Height (well depth - DTW) 17.15 (ft)

Casing ID 4 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters / Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/04/22	14:34	0:12	07	48	6.9

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
14:31	11.19						
14:34	START	0.0	—	—	—	—	400
14:38	11.80	1.6	7.04	1141.4	15.5	—	
14:42	11.80	3.2	7.60	1141.0	15.4	—	
14:46	11.80	4.8	6.98	1142.0	15.4	1.48	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	14:46	4.8	6.98	1142.0	15.4	1.48	400

Sample Appearance: Clear **Odor:** None **Color:** None **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: ~5mph/E **Air Temp:** ~70°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05
ORP (mV) = -67.4

FIELD COMMENTS

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/4/22 — Date
Andrew D. Graham — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 1234

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 913.53 (ft/msl)

Depth to Water (DTW) (from TOC) 18.69 (ft)

Groundwater Elevation (site datum, from TOC) 894.84 (ft/msl)

Total Well Depth (from TOC) 726.0 (ft)

Water Column Height (well depth - DTW) 539.11 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/05/22	1115	0020	09	80	8.8

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1111	18.66	—	—	—	—	—	—
1115	START	100	—	—	—	—	400
1125	19.02	140	7.13	1424	14.8	—	↓
1130	19.90	160	7.13	1419	14.8	—	↓
1135	19.95	180	7.13	1407	14.8	00.02	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/05/22	1135	180	7.13	1407	14.8	00.02	400

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: NNW 0 mph Air Temp: 61°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05
ORP (mV) = -65.0

FIELD COMMENTS

R: 9 s

D: 6 @ 40 psi * sample effervesent.

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Date Abbey Gray Name Signature

EAGON & ASSOCIATES, INC.

V-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281C

WELL DATA

Water-Level Date: 100322 (MM/DD/YY)

Water-Level Time: 12:37

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 91412 (ft/msl)

Depth to Water (DTW) (from TOC) 1932 (ft)

Groundwater Elevation (site datum, from TOC) 89480 (ft/msl)

Total Well Depth (from TOC) 66280 (ft)

Water Column Height (well depth - DTW) 4348 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
100522	1114	0020	09	80	88

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1109	1222	—	—	—	—	—	—
1114	START	00	—	—	—	—	400
1124	1228	40	7.11	11104	151	—	
1129	1224	60	7.11	11110	150	—	
1134	1224	80	7.10	11111	152	0.02	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100522	1134	80	7.10	11111	152	0.02	400

FIELD COMMENTS

Sample Appearance: ~~None~~ MB clear

Odor: none

Color: none

Other: —

Weather Conditions (at sample time): Wind Speed / Direction: SE 1 mph

Air Temp: 101° F

Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.15
ORP (mV) = -51.1

R: 10 s

*sample effervescent

D: 5 s @ 35 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date

McKenzie Bertsch — Name

McKenzie Bertsch — Signature

EAGON & ASSOCIATES, INC.

A-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-286C

WELL DATA

Water-Level Date: 10 03 22 (MM/DD/YY)

Water-Level Time: 1143

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 914.59 (ft/msl)

Depth to Water (DTW) (from TOC) 19.34 (ft)

Groundwater Elevation (site datum, from TOC) 895.25 (ft/msl)

Total Well Depth (from TOC) 57.00 (ft)

Water Column Height (well depth - DTW) 37.66 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or ~~N~~ ADG 0.45µ Metals or — µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10 04 22	10:38	0:12	09	48	5.3

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
10:28	19.30						
10:38	START	00	—	—	—	—	400
10:42	19.30	16	7.43	1047	12.9	—	
10:46	19.30	32	7.44	1055	12.8	—	
10:50	19.31	48	7.44	1057	12.8	2.15	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10 04 22	10:50	48	7.44	1057	12.8	2.15	400

FIELD COMMENTS

Sample Appearance: Clear **Odor:** None **Color:** None **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0 mph / — Air Temp: ~55°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.07
ORP (mV) = −95.2

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/4/22 Andrew D. Graham [signature]
Date Name Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-401A

WELL DATA

Water-Level Date: 100322 (MM/DD/YY)

Water-Level Time: 0920

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 90637 (ft/msl)

Depth to Water (DTW) (from TOC) 1130 (ft)

Groundwater Elevation (site datum, from TOC) 89507 (ft/msl)

Total Well Depth (from TOC) 1850 (ft)

Water Column Height (well depth - DTW) 720 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device C

X - Other —

Pump Type (Vol) C — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft) C — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
100422	1553	0030	02	120	600

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1550	11115	—	—	—	—	—	—
1553	START	100	—	—	—	—	400
1603	11124	40	400	1353	183	—	↓
1607	11124	56	395	1354	182	—	↓
1611	11125	72	676	1355	182	—	↓
1615	11127	88	688	1353	182	—	↓
1619	11127	104	689	1354	182	—	↓
1623	11127	120	691	1356	182	553	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100422	1623	120	691	1356	182	553	400

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-7 MPH N **Air Temp:** 69°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.10
ORP (mV) = 205.7

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10.04.22 Date — Ryan Jones Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-401B

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 09:18

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 906.56 (ft/msl)

Depth to Water (DTW) (from TOC) 7.66 (ft)

Groundwater Elevation (site datum, from TOC) 898.90 (ft/msl)

Total Well Depth (from TOC) 32.00 (ft)

Water Column Height (well depth - DTW) 24.34 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/04/22	17:07	00:18	07	72	1.02

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
17:00	17.49	—	—	—	—	—	—
17:07	START	100	—	—	—	—	400
17:17	17.50	410	7.17	1277	17.0	—	↓
17:21	17.51	516	7.18	1279	17.0	—	↓
17:25	17.51	72	7.18	1274	16.9	85.1	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	17:25	72	7.18	1274	16.9	85.1	400

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): **Wind Speed / Direction:** 0-7 MPH N **Air Temp:** 69°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.08
ORP (mV) = 100.6

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/04/22 Date — Ryan Jones Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP - 402A

WELL DATA

Water-Level Date: 10 03 22 (MM/DD/YY)

Water-Level Time: 11 31

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 908.42 (ft/msl)

Depth to Water (DTW) (from TOC) 4.50 (ft)

Groundwater Elevation (site datum, from TOC) 903.92 (ft/msl)

Total Well Depth (from TOC) 21.00 (ft)

Water Column Height (well depth - DTW) 16.50 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C
Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

X - Other: —

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10 05 22	14:18	00:16	0.6	6.4	10.6

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
14:08	14.36	—	—	—	—	—	—
14:18	START	0.0	—	—	—	—	400
14:28	15.05	4.0	6.70	1250	16.6	—	↓
14:31	15.12	5.2	6.71	1254	16.6	—	↓
14:34	15.21	6.4	6.71	1253	16.5	0.02	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10 05 22	14:34	6.4	6.71	1253	16.5	0.02	400

FIELD COMMENTS

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: SE 3 mph Air Temp: 74° F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.12
ORP (mV) = -65.0

R: 12.7 sec
D: 2.3 sec @ 20 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 — Date
Mckenzie Bertsch — Name
Mckenzie Bertsch — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-403A

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 10:53

Purge/Sample Method: Dry
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 912.37 (ft/msl)

Depth to Water (DTW) (from TOC) 9.34 (ft)

Groundwater Elevation (site datum, from TOC) 903.03 (ft/msl)

Total Well Depth (from TOC) 18.70 (ft)

Water Column Height (well depth - DTW) 9.36 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) C
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) C
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/03/22	1623	00:14	16	20	1.25

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1621	9.32	—	—	—	—	—	—
1623	START	100	—	—	—	—	—
1637	DRY	120	—	—	—	—	—
1014/22	SAMPLE	—	—	—	—	—	—
1416	9.45	120	5.15	1815	17.2	12.5	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	1416	20	5.15	1815	17.2	12.5	—

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): **Wind Speed / Direction:** 0-5 MPH NNE **Air Temp:** 67°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 3.60

ORP (mV) = 258.7

FIELD COMMENTS

18.70' - 9.32' = 9.38' x 0.163 = 1.53 gals x 3 = 4.59 gals

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/04/22 — Date

Ryan Jones — Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-404

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 12:50

Purge/Sample Method: Dry
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 912.75 (ft/msl)

Depth to Water (DTW) (from TOC) 15.76 (ft)

Groundwater Elevation (site datum, from TOC) 896.99 (ft/msl)

Total Well Depth (from TOC) 101.00 (ft)

Water Column Height (well depth - DTW) 85.24 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/03/22	15:29	00:47	140	140	1.00

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
15:27	15.75						
15:29	START	100					
16:16	DRY	140					
10/04/22	SAMPLE						
13:40	12.01	140	4.55	1510	15.3	5.08	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	13:40	140	4.55	1510	15.3	5.08	

FIELD COMMENTS

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-6 MPH NE **Air Temp:** 65°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.43
ORP (mV) = 30.9

101.00' - 15.75' = 85.25 x 0.163 = 13.90 gals x 3 = 41.70 gals

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/04/22 — Date
Ryan Jones — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-404A

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 12:25

Purge/Sample Method: Dry
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 915.09 (ft/msl)

Depth to Water (DTW) (from TOC) 7.34 (ft)

Groundwater Elevation (site datum, from TOC) 907.75 (ft/msl)

Total Well Depth (from TOC) 20.40 (ft)

Water Column Height (well depth - DTW) 13.06 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C
Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/03/22	1508	0012	22	33	1.50

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1507	7.31	—	—	—	—	—	—
1508	START	10	—	—	—	—	—
1520	DRY	33	—	—	—	—	—
10/04/22	SAMPLE	—	—	—	—	—	—
1309	8.78	33	6.80	1047	17.7	11.8	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	1309	33	6.80	1047	17.7	11.8	—

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 0-6 MPH NE **Air Temp:** 65°F **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 3.92
ORP (mV) = 113.6

FIELD COMMENTS

20.40' - 7.31' ~ 13.09 × 0.163 = 2.13 gals × 3 = 6.39 gals

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/04/22 — Date
Ryan Jones — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-H05A

WELL DATA

Water-Level Date: 10/3/22 (MM/DD/YY)

Water-Level Time: 10:31

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 911.02 (ft/msl)

Depth to Water (DTW) (from TOC) 93.60 (ft)

Groundwater Elevation (site datum, from TOC) 901.66 (ft/msl)

Total Well Depth (from TOC) 156.0 (ft)

Water Column Height (well depth - DTW) 62.4 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) C
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) C
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/5/22	09:17	00:25	02	63	3.5

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
09:08	93.16	—	—	—	—	—	—
09:17	START	100	—	—	—	—	400
09:27	110.85	140	6.95	1697	16.1	—	150
09:32	110.91	148	6.96	1708	15.6	—	↓
09:37	110.98	155	6.96	1720	15.6	—	↓
09:42	111.06	163	6.96	1725	15.7	8.42	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/5/22	09:42	163	6.96	1725	15.7	8.42	150

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-1 MPH NW Air Temp: 54°F Precipitation: Y (or N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.72
ORP (mV) = 69.7

FIELD COMMENTS

K: 10 s
D: 5 s @ 20 psi

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Date — Ryan Jones Name — Signature

EAGON & ASSOCIATES, INC.

A-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-406C

WELL DATA

Water-Level Date: 10/3/22 (MM/DD/YY)

Water-Level Time: 12:59

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 917.60 (ft/msl)

Depth to Water (DTW) (from TOC) 22.21 (ft)

Groundwater Elevation (site datum, from TOC) 895.19 (ft/msl)

Total Well Depth (from TOC) 67.60 (ft)

Water Column Height (well depth - DTW) 45.39 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C
Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN PUMP/TUBING:WELL CASING *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/3/22	17:03	1:16	10	64	6.4

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
17:03	22.18	—	—	—	—	—	—
17:07	START	100	—	—	—	—	400
17:17	22.18	40	7.26	9616	14.9	—	↓
17:20	22.19	52	7.27	9614	14.9	—	↓
17:23	22.24	64	7.26	9612	14.8	0.93	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/3/22	17:23	64	7.26	9612	14.8	0.93	400

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: calm Air Temp: 65°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.08
ORP (mV) = -32.8

FIELD COMMENTS

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/3/22 — Date
Gabriel Perkins — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-407

WELL DATA

Water-Level Date: 10/3/22 (MM/DD/YY)

Water-Level Time: 10:08

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 901.31 (ft/msl)

Depth to Water (DTW) (from TOC) 15.08 (ft)

Groundwater Elevation (site datum, from TOC) 895.23 (ft/msl)

Total Well Depth (from TOC) 817.0 (ft)

Water Column Height (well depth - DTW) 666.62 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L or Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters or Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/5/22	13:57	0:25	12	70	5.83

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L or Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
13:54	15.02	—	—	—	—	—	—
13:57	START	0.0	—	—	—	—	400
14:07	18.52	4.0	7.17	2211.5	16.2	—	200
14:12	18.15	5.0	7.17	2241.1	16.9	—	—
14:17	19.8	6.0	7.18	2273.3	16.9	—	—
14:22	18.16	7.0	7.18	2301.1	16.9	0.02	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L or Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/5/22	14:22	7.0	7.18	2301.1	16.9	0.02	200

Sample Appearance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: N 4 mph Air Temp: 75°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.10
ORP (mV) = -104.6

FIELD COMMENTS

E: 12 s → 27 s

D: 3 s @ 55 psi → 3 s @ 55 psi

SAMPLES COLLECTED: *Sample very effervesent

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/5/22 Name: Abbey Gray Signature: [signature]

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-408

WELL DATA

Water-Level Date: 10/03/22 (MM/DD/YY)

Water-Level Time: 1301

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 916.41 (ft/msl)

Depth to Water (DTW) (from TOC): 21.52 (ft)

Groundwater Elevation (site datum, from TOC): 894.89 (ft/msl)

Total Well Depth (from TOC): 150.0 (ft)

Water Column Height (well depth - DTW): 93.48 (ft)

Casing ID: 2 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ (circle or fill in)

Purging Device: C
Sampling Device: C
A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle
X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	TOTAL VOL PURGED (Liters : Gallons) circle one	PUMP/TUBING:WELL VOLS PURGED (optional)
110422	1134	0:32	15	110	7.3

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1130	21.45						
1134	START	100					500
1144	26.08	150	7	7	7	7	200
1150	25.97	62	7.19	4021	15.9	7	
1154	26.03	74	7.18	4228	16.0	7	
1158	26.03	86	7.17	4386	16.1	7	
1202	26.08	98	7.17	4321	16.1	7	
1206	26.13	110	7.17	4280	16.1	23.9	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
110422	1206	110	7.17	4280	16.1	23.9	200

FIELD COMMENTS

Sample Appearance: Clear / slt cloudy @ sample time Odor: None Color: None Other: —

Weather Conditions (at sample time): Wind Speed / Direction: ~5 mph / E Air Temp: ~60°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05
ORP (mV) = −143.4

Sample water was effervescent

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/4/22 Date — Andrew D Graham Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-409

WELL DATA

Water-Level Date: 10/3/22 (MM/DD/YY)

Water-Level Time: 1004

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 911.83 (ft/msl)

Depth to Water (DTW) (from TOC) 9.63 (ft)

Groundwater Elevation (site datum, from TOC) 902.20 (ft/msl)

Total Well Depth (from TOC) 81.70 (ft)

Water Column Height (well depth - DTW) 72.07 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: ✓

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
10/3/22	1510	210	12	40	3.37

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1534	9.63	—	—	—	—	—	—
1540	START	00	—	—	—	—	200
1550	10.31	26	7.31	8.68	16.4	—	—
1555	10.35	30	7.30	8.61	16.3	—	—
1600	10.37	40	7.36	8.53	16.3	35.1	14

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/3/22	1600	40	7.30	8.53	16.3	35.1	200

FIELD COMMENTS

Sample Appearance: Clear **Odor:** None **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: calm Air Temp: 70° F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.22
ORP (mV) = +43.6

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/3/22 — Date
Gabriel Perkins — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: Duplicate - DMP#1

WELL DATA

Water-Level Date: (MM/DD/YY)

Water-Level Time:

Purge/Sample Method:
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or µ *(circle or fill in)*

Purging Device
Sampling Device
A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol)
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft)
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

X - Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
	START	00					

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100322	1600	40	730	853	163	351	200

FIELD COMMENTS

Sample Appearance: Clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: Calm Air Temp: 70°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.22
Duplicate - DMP#1 is an ORP (mV) = +43.6
exact duplicate by container of well mp-409. See FIF for well mp-409
for well and purge information

SAMPLES COLLECTED:
DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/3/22 Gabriel Perkins [signature]
Date Name Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: Duplicate - DMP #2

WELL DATA

Water-Level Date: (MM/DD/YY)

Water-Level Time:

Purge/Sample Method: LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

Pump Type (Vol) ____ A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) ____ A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

X - Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
	START	00					

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
10/04/22	1725	72	7.18	1277	16.9	77.3	400

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-7 MPH N Air Temp: 69°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.08

ORP (mV) = 99.2

FIELD COMMENTS

Duplicate - DMP #2 is an exact duplicate by container of well MP-401B. See FIF for well MP-401B for well + purge info.

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/04/22 Name: Ryan Jones Signature:

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: Duplicate - DMP #3

WELL DATA

Water-Level Date: (MM/DD/YY)	**Water-Level Time:**	**Purge/Sample Method:** LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric
Well Elevation (at TOC) (ft/msl)	**Depth to Water (DTW) (from TOC)** (ft)	**Groundwater Elevation (site datum, from TOC)** (ft/msl)
Total Well Depth (from TOC) (ft)	Water Column Height (well depth - DTW) (ft)	Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

X - Other ____

Pump Type (Vol) ____ A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) ____ A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
	START	00					

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100522	0859	8.6	7.07	894	14.3	0.02	300

FIELD COMMENTS

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 5 0 mph Air Temp: 46°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.25

ORP (mV) = +32.5

Duplicate DMP#3 is an exact duplicate by container of well MP-250

see FIF for well MP-250 for well + purge information

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/5/22 Date — Abbey Gray Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: FIELD BLANK DMP #1

WELL DATA

Water-Level Date: (MM/DD/YY)

Water-Level Time:

Purge/Sample Method: LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or µ *(circle or fill in)*

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device

X - Other

Pump Type (Vol): A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft): A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
	START	00					

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
100422	1655	—	856	23.37	21.5		—

FIELD COMMENTS

Sample Appearance: Clear **Odor:** None **Color:** None **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: ~5-10mph /NE **Air Temp:** ~70°F **Precipitation:** Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = —

ORP (mV) = —

Sample collected by pouring lab-supplied water directly into sample containers near laboratory/storage building.

SAMPLES COLLECTED:

DMP VOCs, DISS. METALS, TOC, PCBs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/4/22 — Date

Andrew D. Graham — Name

[signature] — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): Ryan Jones, Andy Graham

pH Meter(s): Make/Model/Serial No: In Situ 400 / 769938

Buffer Brand/Expiration: pH 4 WHITE OAK / 3-12-24 ; pH 7 WHITE OAK / 1-31-24 ; pH 10 WHITE OAK / 2-17-24

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
10/3/22	1125	Calibrate	3.98	7.02	—	16.95
10/4/22	0746	Calibrate	4.01	7.06	—	17.36
10/5/22	0744	Calibrate	3.98	7.00	—	17.45

Conductivity/Temp. Meter(s): Make/Model/Serial No: In Situ 400 / 769938

Cond. Solution Brand/Expiration: WHITE OAK / 7-7-23 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/3/22	1119	Calibration	1430	17.86	
10/4/22	0729	Calibration	1400	17.44	
10/5/22	0729	Calibration	1400	17.56	

Turbidity Meter(s): Make/Model/Serial No.: HACH 2100Q / 19030C074756

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/3/22	1219	Check	5.60	5.52	
10/4/22	0752	"	5.60	5.74	

Sampler (Name): Ryan Jones Sampler (Signature): [signature]

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): Ryan Jones, Andy Graham

D.O. Meter(s): Make/Model/Serial No: In Situ 400 / 769938

Zero-O_2 Solution Brand/Expiration: WHITE OAK / NA

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/3/22	1105	Calibrate	420-sat air	100.09 : 9.35	0.14	19.58
10/4/22	0722	Calibrate	420-sat air	100.02 : 9.44	0.11	17.63
11/5/22	0712	Calibrate	420-sat air	100.07 : 8.39	0.11	18.33

O.R.P. Meter(s): Make/Model/Serial No: In Situ 400 / 769938

Solution Brand/Expiration: HORIBA / NA Solution Value (@ 25 °C): +89.0

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
10/3/22	1143	Calibration	+97.0	+96.3	18.24	
10/4/22	0746	Calibrate	+99.0	+97.9	16.04	
10/5/22	0746	Calibrate	+98.0	+98.7	17.64	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Ryan Jones Sampler (Signature):

Sampler (Name): Andrew D. Graham Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): Gabe Perkins

pH Meter(s): Make/Model/Serial No: InSitu 400/734727

Buffer Brand/Expiration: pH 4 WHITE OAK / 3-12-24; pH 7 WHITE OAK / 1-31-24; pH 10 WHITE OAK / 3-17-24

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
10/3/22	1126	Calibrate	3.99	7.02	—	17.37
10/4/22	0734	Calibrate	3.98	7.03	—	17.93
10/4/22	1255	Check	4.06	7.02	—	18.81
10/5/22	0730	calibrate	3.99	7.01	—	17.48

Conductivity/Temp. Meter(s): Make/Model/Serial No: InSitu 400/734727

Cond. Solution Brand/Expiration: WHITE OAK / 7-7-23 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/3/22	1109	calibrate	1410	17.27	
10/4/22	0728	Calibrate	1410	18.22	
10/4/22	1258	Calibrate	1413	18.71	
10/5/22	0726	calibrate	1410	18.70	

Turbidity Meter(s): Make/Model/Serial No.: Hach 2100Q / 16090C052603

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/3/22	1355	check	56.0	55.1	
10/4/22	0750	check	56.0	56.2	
10/5/22	0732	check	56.0	57.2	

Sampler (Name): Gabriel Perkins Sampler (Signature): [signature]

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): Gabe Perkins

D.O. Meter(s): Make/Model/Serial No: In Situ 400 / 734727

Zero-O_2 Solution Brand/Expiration: water OAK / NA

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/3/22	1058	calibrate	H2O-sat air	100.8 : 9.84	0.10	19.22
11/4/22	0720	calibrate	H2O-sat air	99.8 : 9.64	0.09	17.64
11/5/22	0711	calibrate	H2O-sat air	100.7 : 8.98	0.13	18.55

O.R.P. Meter(s): Make/Model/Serial No: In Situ / 400 - 734727

Solution Brand/Expiration: Horiba / NA Solution Value (@ 25 °C): +89.0

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
10/3/22	1140	Calibrate	+98	+97.9	18.92	
10/4/22	0739	Calibrate	+99	+98.9	17.33	
10/5/22	0735	calibrate	+100	+100.4	16.58	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Gabriel Perkins Sampler (Signature): [signature]

Sampler (Name): Andy Cochran Sampler (Signature): [signature]

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): A. Graham, M. Bertson

pH Meter(s): Make/Model/Serial No: Insitu 4001 923545

Buffer Brand/Expiration: pH 4 WO | 3-12-24 ; pH 7 WO | 1-31-24 ; pH 10 —

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
10/5/22	737	cal.	4.00	7.00	—	17.8
10/5/22	0741	check	—	7.05	—	18.9

Conductivity/Temp. Meter(s): Make/Model/Serial No: Insitu 4001 923545

Cond. Solution Brand/Expiration: WO | 7-7-23 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/5/22	731	cal.	1409	16.5	
10/5/22	0742	check	1408	17.27	

Turbidity Meter(s): Make/Model/Serial No.: Geotech - 22043958

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/5/22	745	check	0.02	0.02	
10/5/22	1345	check	0.02	0.02	

Sampler (Name): McKenzie Bertson Sampler (Signature): McKenzie Bertson

Sampler (Name): Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): A. Graham, M. Bertson

D.O. Meter(s): Make/Model/Serial No: Insitu 400 / ~~[illegible]~~ 923545

Zero-O_2 Solution Brand/Expiration: White oak / NA

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/5/22	725	Cal.	H_2O-Sat Air	102.75% / 9.32 mg/L	0.27	16.9

O.R.P. Meter(s): Make/Model/Serial No: Insitu 400 / ~~[illegible]~~ MB 923545

Solution Brand/Expiration: Horiba / NA Solution Value (@ 25 °C): 69.0 mV

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
10/5/22	739	Cal.	101.0	100.9	16.14	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): McKenzie Bertson Sampler (Signature): McKenzie Bertson

Sampler (Name): Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): A. Gray, M. Bertsch

pH Meter(s): Make/Model/Serial No: Insitu 400 / 844304

Buffer Brand/Expiration: pH 4 WO / 3-12-24 ; pH 7 WO / 1-31-24 ; pH 10 —

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
10/5/22	725	cal.	4.00	6.98	—	17.7
10/5/22	1339	check	—	7.04	—	18.04

Conductivity/Temp. Meter(s): Make/Model/Serial No: Insitu 400 / 844304

Cond. Solution Brand/Expiration: WO / 7-1-23 ~~Insitu 400 / 844304~~ Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/5/22	721	cal.	1414	17.5	
10/5/22	1340	check	1420	17.31	

Turbidity Meter(s): Make/Model/Serial No.: Geotech - 22043958

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/5/22	745	cal.	0.02	0.02	
10/5/22	1345	check	0.02	0.02	

Sampler (Name): Abbey Gray Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): A. Gray, M. Bertsch

D.O. Meter(s): Make/Model/Serial No: Insitu 400 / 844304

Zero-O_2 Solution Brand/Expiration: white oak / NA

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/5/22	0709	Cal.	H_2O-Sat Air	97.2 % / 9.04 mg/L	0.25	17.9

O.R.P. Meter(s): Make/Model/Serial No: Insitu 400 / 844304

Solution Brand/Expiration: Horiba NA Solution Value (@ 25 °C): 89.0 mV

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
10/5/22	738	Cal.	101.0	101.0	16.1	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Abbey Gray Sampler (Signature): [signature]

Sampler (Name): Mikayla Bertsch Sampler (Signature): Mikayla Bertsch

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): R. Jones

pH Meter(s): Make/Model/Serial No: Oakton / PC450 / 3026676

Buffer Brand/Expiration: pH 4 WO / 3-12-24 ; pH 7 WO / 1-31-24 ; pH 10 —

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
10/4/22	16:09	Calibrate	4.01	7.02	—	18.6
10/5/22	7:34	Calibrate	4.01	7.05	—	14.5

Conductivity/Temp. Meter(s): Make/Model/Serial No: Oakton / PC450 / 3026676

Cond. Solution Brand/Expiration: — Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
—	—	—	—	—	

Turbidity Meter(s): Make/Model/Serial No.: Hach / 2100Q / 18090C069914

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/4/22	9:18	check	63.7	62.2	
10/5/22	7:32	check	63.7	63.3	

Sampler (Name): Ryan Jones Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

APPENDIX B.

LABORATORY DATA REPORT, FIELD INFORMATION FORMS, CHAIN-OF-CUSTODY RECORD, AND FIELD METER CALIBRATION RECORD FOR THE NOVEMBER 2022 RESAMPLING EVENT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Butch Bradburn
Republic Services Inc
5092 Aber Road
Williamsburg, Ohio 45176

Generated 12/12/2022 9:19:24 AM

JOB DESCRIPTION

Aber Rd. Landfill

JOB NUMBER

480-203856-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
12/12/2022 9:19:24 AM

Authorized for release by
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 5
Client Sample Results 6
QC Sample Results 8
QC Association 10
Chronicle 11
Certification Summary 12
Method Summary 13
Sample Summary 14
Chain of Custody 15
Receipt Checklists 16

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-203856-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-203856-1

Comments
No additional comments.

Receipt
The samples were received on 11/11/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Client Sample ID: MP-241 R

Date Collected: 11/10/22 09:25
Date Received: 11/11/22 10:00

Lab Sample ID: 480-203856-1

Matrix: Water

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		11/17/22 09:43	12/01/22 03:57	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Client Sample ID: MP-281 C

Date Collected: 11/10/22 10:17
Date Received: 11/11/22 10:00

Lab Sample ID: 480-203856-2

Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0051		0.0010	0.00027	mg/L		12/06/22 12:36	12/06/22 15:54	1

QC Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-650090/1-A
Matrix: Water
Analysis Batch: 651782

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 650090

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		11/17/22 09:43	12/01/22 02:52	1

Lab Sample ID: LCS 480-650090/2-A
Matrix: Water
Analysis Batch: 651782

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 650090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, Dissolved	0.200	0.206		mg/L		103	80 - 120

Lab Sample ID: 480-203856-1 MS
Matrix: Water
Analysis Batch: 651782

Client Sample ID: MP-241 R
Prep Type: Dissolved
Prep Batch: 650090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, Dissolved	ND		0.200	0.211		mg/L		105	75 - 125

Lab Sample ID: 480-203856-1 MSD
Matrix: Water
Analysis Batch: 651782

Client Sample ID: MP-241 R
Prep Type: Dissolved
Prep Batch: 650090

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, Dissolved	ND		0.200	0.212		mg/L		106	75 - 125	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-652332/1-A
Matrix: Water
Analysis Batch: 652378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00027	mg/L		12/06/22 12:36	12/06/22 15:47	1

Lab Sample ID: LCS 480-652332/2-A
Matrix: Water
Analysis Batch: 652378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0200	0.0192		mg/L		96	80 - 120

Lab Sample ID: 480-203856-2 MS
Matrix: Water
Analysis Batch: 652378

Client Sample ID: MP-281 C
Prep Type: Dissolved
Prep Batch: 652332

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0051		0.0200	0.0259		mg/L		104	75 - 125

QC Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-203856-2 MSD
Matrix: Water
Analysis Batch: 652378

Client Sample ID: MP-281 C
Prep Type: Dissolved
Prep Batch: 652332

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0051		0.0200	0.0255		mg/L		102	75 - 125	1	20

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Metals

Prep Batch: 650090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203856-1	MP-241 R	Dissolved	Water	3005A	
MB 480-650090/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-650090/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-203856-1 MS	MP-241 R	Dissolved	Water	3005A	
480-203856-1 MSD	MP-241 R	Dissolved	Water	3005A	

Analysis Batch: 651782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203856-1	MP-241 R	Dissolved	Water	6010C	650090
MB 480-650090/1-A	Method Blank	Total Recoverable	Water	6010C	650090
LCS 480-650090/2-A	Lab Control Sample	Total Recoverable	Water	6010C	650090
480-203856-1 MS	MP-241 R	Dissolved	Water	6010C	650090
480-203856-1 MSD	MP-241 R	Dissolved	Water	6010C	650090

Prep Batch: 652332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203856-2	MP-281 C	Dissolved	Water	3020A	
MB 480-652332/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-652332/2-A	Lab Control Sample	Total/NA	Water	3020A	
480-203856-2 MS	MP-281 C	Dissolved	Water	3020A	
480-203856-2 MSD	MP-281 C	Dissolved	Water	3020A	

Analysis Batch: 652378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203856-2	MP-281 C	Dissolved	Water	6020A	652332
MB 480-652332/1-A	Method Blank	Total/NA	Water	6020A	652332
LCS 480-652332/2-A	Lab Control Sample	Total/NA	Water	6020A	652332
480-203856-2 MS	MP-281 C	Dissolved	Water	6020A	652332
480-203856-2 MSD	MP-281 C	Dissolved	Water	6020A	652332

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Client Sample ID: MP-241 R

Lab Sample ID: 480-203856-1

Date Collected: 11/10/22 09:25
Date Received: 11/11/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			650090	VAK	EET BUF	11/17/22 09:43
Dissolved	Analysis	6010C		1	651782	BMB	EET BUF	12/01/22 03:57

Client Sample ID: MP-281 C

Lab Sample ID: 480-203856-2

Date Collected: 11/10/22 10:17
Date Received: 11/11/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3020A			652332	VAK	EET BUF	12/06/22 12:36
Dissolved	Analysis	6020A		1	652378	BMB	EET BUF	12/06/22 15:54

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Laboratory: Eurofins Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-06-22 *
Connecticut	State	PH-0568	03-31-24
Florida	NELAP	E87672	06-30-23
Georgia	State	10026 (NY)	04-01-23
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	03-31-23
Illinois	NELAP	200003	09-30-23
Iowa	State	374	03-01-23
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	01-31-23
Kentucky (DW)	State	90029	12-31-22
Kentucky (UST)	State	30	04-01-23
Kentucky (WW)	State	KY90029	12-31-22
Louisiana	NELAP	02031	06-30-23
Louisiana (All)	NELAP	02031	06-30-23
Maine	State	NY00044	12-04-22 *
Maryland	State	294	03-31-23
Massachusetts	State	M-NY044	06-30-23
Michigan	State	9937	03-31-23
Michigan	State Program	9937	04-01-09 *
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-17-22 *
New Jersey	NELAP	NY455	06-30-23
New York	NELAP	10026	03-31-23
Pennsylvania	NELAP	68-00281	07-31-23
Rhode Island	State	LAO00328	12-30-22
Tennessee	State	02970	04-01-23
Texas	NELAP	T104704412-18-10	07-31-23
USDA	US Federal Programs	P330-18-00039	03-25-24
Virginia	NELAP	460185	09-14-23
Washington	State	C784	02-10-23
Wisconsin	State	998310390	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	EET BUF
6020A	Metals (ICP/MS)	SW846	EET BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET BUF
3020A	Preparation, Total Metals	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill

Job ID: 480-203856-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-203856-1	MP-241 R	Water	11/10/22 09:25	11/11/22 10:00
480-203856-2	MP-281 C	Water	11/10/22 10:17	11/11/22 10:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Columbus 209

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Client Information	Sampler: D Cain	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-179075-38308.1
Client Contact: Mr. Mike Gibson	Phone:	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Eagon & Associates, Inc.	PWSID:			Job #:
Address: 100 Old Wilson Bridge Road Suite 115	Due Date Requested:			
City: Worthington	TAT Requested (days):			
State, Zip: OH, 43085	Compliance Project: Δ Yes Δ No			
Phone: 513-724-6114(Tel)	PO #: CMI=30053719C/DMP=30060060C			
Email: mgibson@eagoninc.com	WO #:			
Project Name: Aber Rd. Landfill	Project #: 48002643			
Site: Lecos	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - (MOD) D. Cr only	6020B - D. As only	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
MP-241 R	11-10-22	09:25	G	Water			X			
MP-281 C	11-10-22	10:17	G	Water				X		

480-203856 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Deric Cain	11-10-22 / 16:20	Eagon	Jennifer Miles	11/10/22 16:20	ETA
Jennifer Miles	11/10/22 1700	ETA	[illegible]	11/11/22 1000	T/A

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.9 # 1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-203856-1

Login Number: 203856
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	EAGON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-241 R

WELL DATA

Water-Level Date: 11/10/22 (MM/DD/YY)

Water-Level Time: 08:48

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 913.57 (ft/msl)

Depth to Water (DTW) (from TOC) 16.18 (ft)

Groundwater Elevation (site datum, from TOC) 897.39 (ft/msl)

Total Well Depth (from TOC) 60.40 (ft)

Water Column Height (well depth - DTW) 44.22 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or ____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B — A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) B — A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
11/10/22	08:57	00:28	10	208	2.08

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
08:48	16.18	—	—	—	—	—	—
08:57	START	100	—	—	—	—	100
09:17	21.87	210	8.40	8.40	13.9	—	100
09:21	21.97	214	8.44	8.28	13.9	—	100
09:25	22.06	218	8.49	8.22	13.9	3.79	100

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
11/10/22	09:25	218	8.49	8.22	13.9	3.79	100

Sample Appearance: Clear **Odor:** None **Color:** None **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 5mph W **Air Temp:** 53° **Precipitation:** Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = —
ORP (mV) = —

FIELD COMMENTS

SAMPLES COLLECTED:
~~DMP VOCs~~, DISS. METALS, ~~TOC, PCBs~~ (diss. chromium)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

11/10/22 — Date
Deric Cain — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281C

WELL DATA

Water-Level Date: 11 10 22 (MM/DD/YY)

Water-Level Time: 0955

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 914.12 (ft/msl)

Depth to Water (DTW) (from TOC) 20.07 (ft)

Groundwater Elevation (site datum, from TOC) 894.05 (ft/msl)

Total Well Depth (from TOC) 62.80 (ft)

Water Column Height (well depth - DTW) 42.73 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING: WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters: Gallons) *circle one*	PUMP/TUBING: WELL VOLS PURGED *(optional)*
11 10 22	0957	0020	09	80	8.89

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L: Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
0955	20.07	—	—	—	—	—	—
0957	START	00	—	—	—	—	400
1007	20.08	40	7.31	983	143	—	400
1012	20.08	60	7.29	975	143	—	400
1017	20.08	80	7.29	974	143	2.27	400

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L: Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
11 10 22	1017	80	7.29	974	143	2.27	400

FIELD COMMENTS

Sample Appearance: Clear Odor: None Color: None Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 5mph W Air Temp: 55° Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = —
ORP (mV) = —

SAMPLES COLLECTED:
~~DMP VOCs~~, DISS. METALS, ~~TOC~~, ~~PCBs~~ (diss. arsenic)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

11/10/22 — Date
Daric Cain — Name
[signature] — Signature

EAGON & ASSOCIATES, INC.

A-200 0418

FIELD METER CALIBRATION RECORD

Project Name: CeCOS - Aber Rd Sampler(s): D. Cain

pH Meter(s): Make/Model/Serial No: Oakton/PC 450/2685707

Buffer Brand/Expiration: pH 4 white oak 7/14/24 ; pH 7 white oak 7/15/24 ; pH 10 white oak 3/17/24

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
11-10-22	07:45	Cal	3.99	7.00	10.06	18.8

Conductivity/Temp. Meter(s): Make/Model/Serial No: Oakton/PC 450/2685707

Cond. Solution Brand/Expiration: white oak 7/27/23 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
11-10-22	07:45	Cal	1413	18.8	

Turbidity Meter(s): Make/Model/Serial No: HACH/2100Q/19030C074756

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
11-10-22	07:45	check	5.60	5.62	

Sampler (Name): Deric Cain Sampler (Signature):

APPENDIX C.

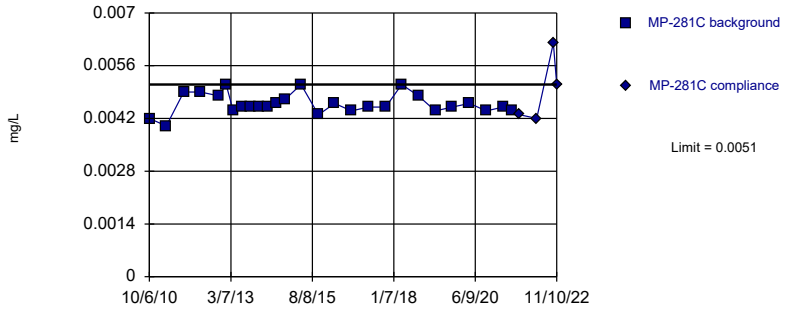
2022 SECOND SEMIANNUAL STATISTICAL ANALYSIS RESULTS
CHANNEL SAND AND BTI WELLS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.004581, Std. Dev.=0.0002704, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9259, critical = 0.894. Kappa = 1.738 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats

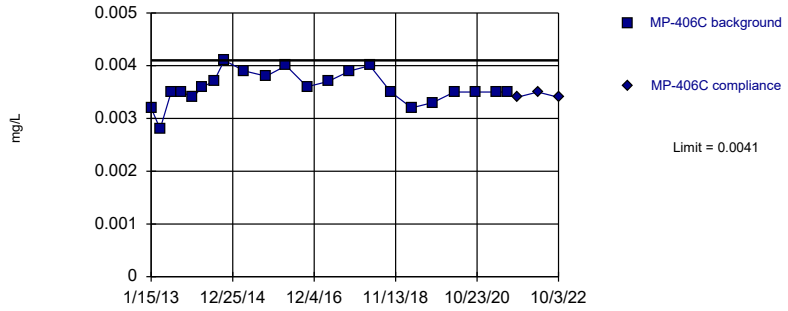
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003577, Std. Dev.=0.0003054, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9508, critical = 0.878. Kappa = 1.786 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats

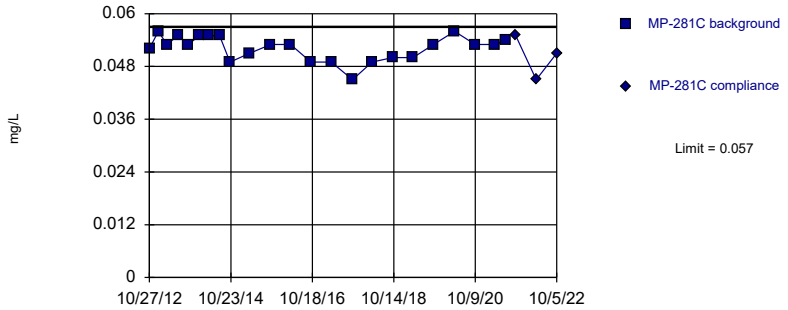
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05222, Std. Dev.=0.002795, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9171, critical = 0.881. Kappa = 1.774 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats

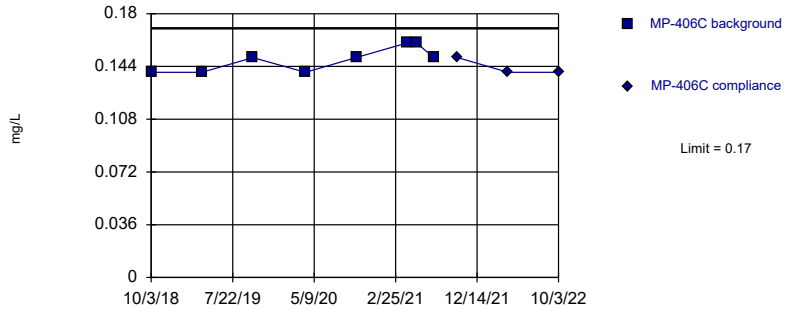
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1488, Std. Dev.=0.008345, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8349, critical = 0.749. Kappa = 2.312 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

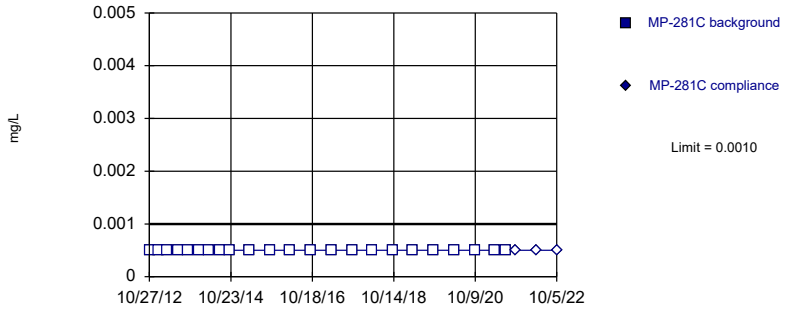
Constituent: Barium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



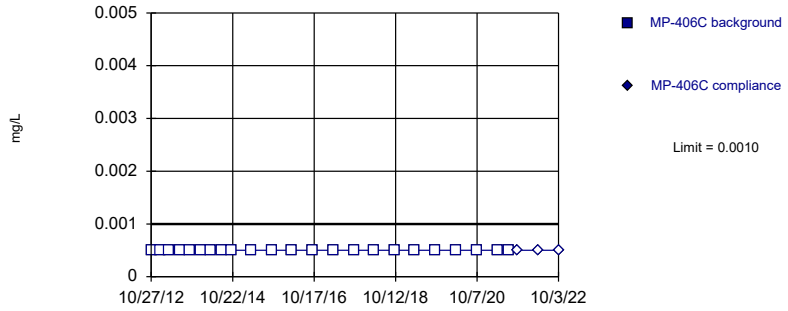
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



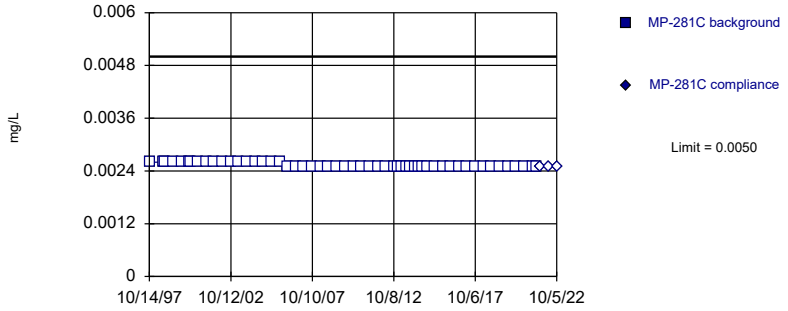
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



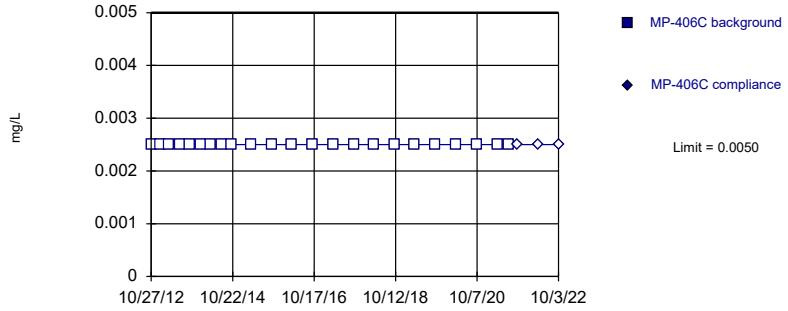
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 54) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001325. Individual comparison alpha = 0.0006629 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



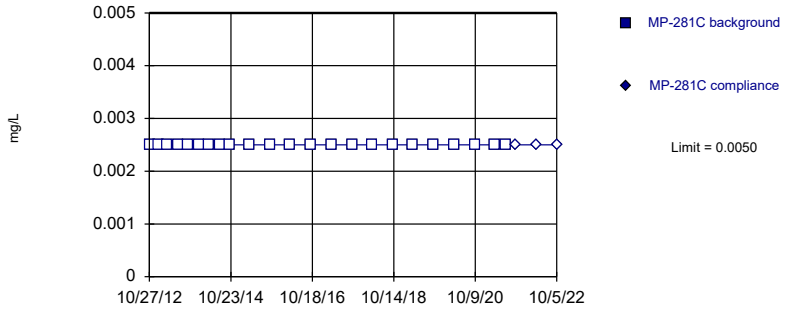
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



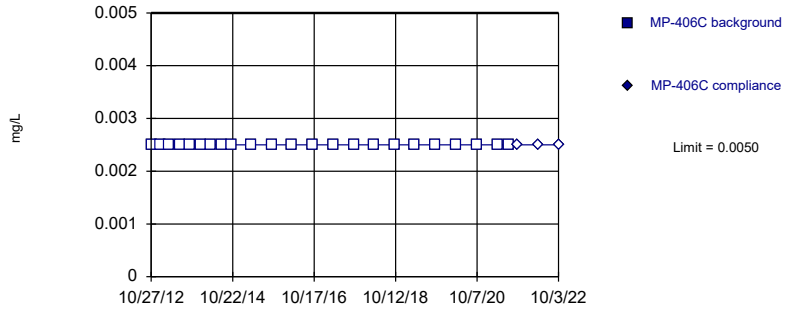
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



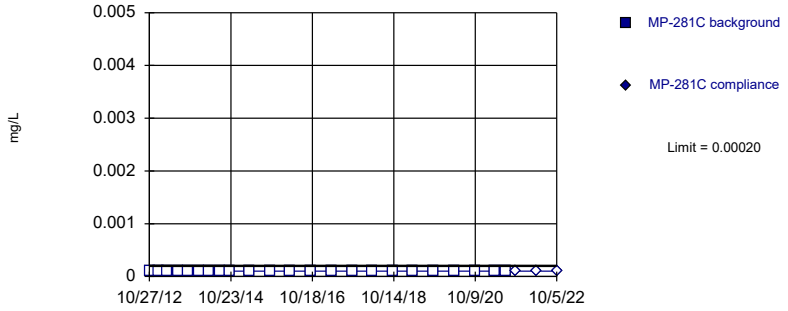
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



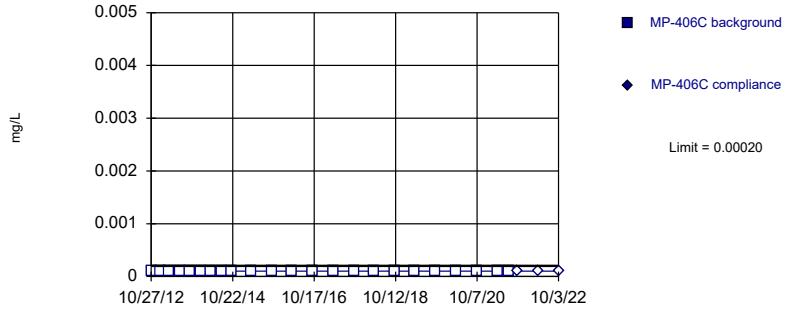
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Mercury Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



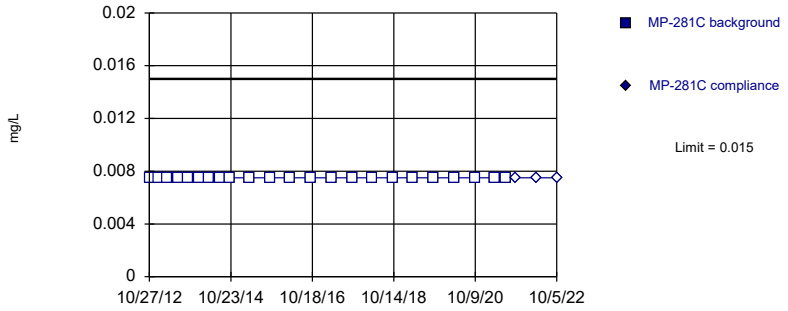
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Mercury Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



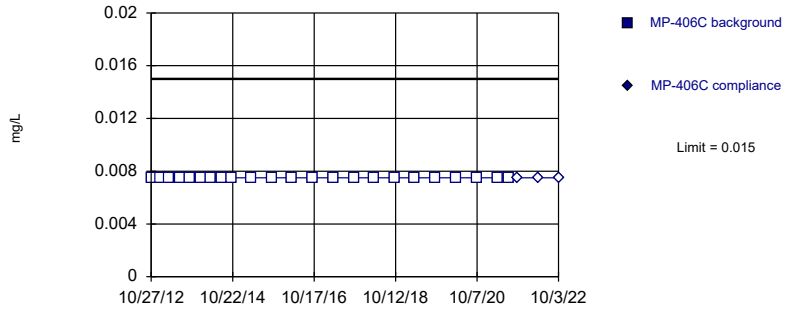
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



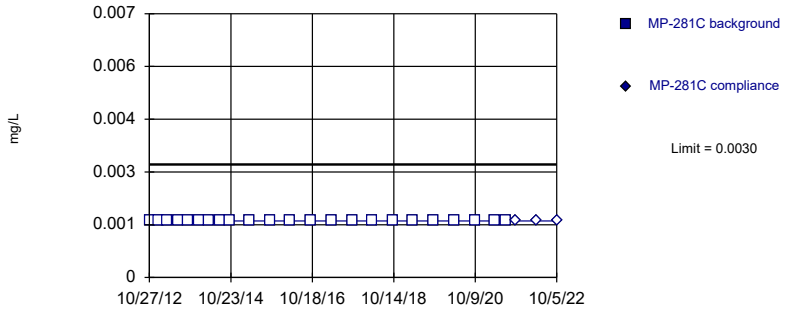
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



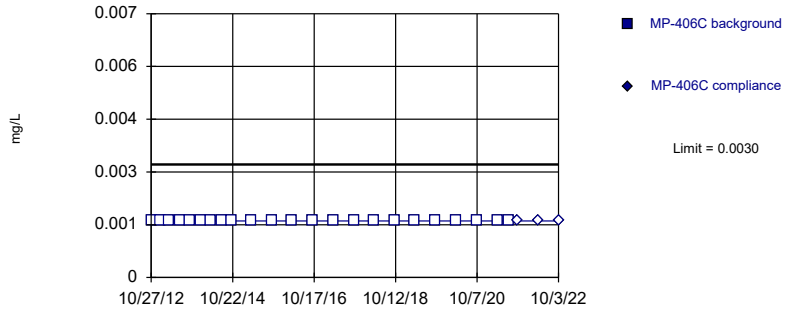
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Dissolved Analysis Run 12/12/2022 11:41 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS Printed 12/12/2022, 11:41 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Method
Arsenic Dissolved (mg/L)	MP-281C	0.0051	11/10/2022	0.0051	No	27	0.004581	0.0002704	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-406C	0.0041	10/3/2022	0.0034	No	22	0.003577	0.0003054	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-281C	0.057	10/5/2022	0.051	No	23	0.05222	0.002795	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-406C	0.17	10/3/2022	0.14	No	8	0.1488	0.008345	0	None	No	Param Intra 1 of 2
Cadmium Dissolved (mg/L)	MP-281C	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-406C	0.0010	10/3/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-281C	0.0050	10/5/2022	0.0025ND	No	54	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-406C	0.0050	10/3/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-281C	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-406C	0.0050	10/3/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-281C	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-406C	0.00020	10/3/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-281C	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-406C	0.015	10/3/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-281C	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-406C	0.0030	10/3/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2

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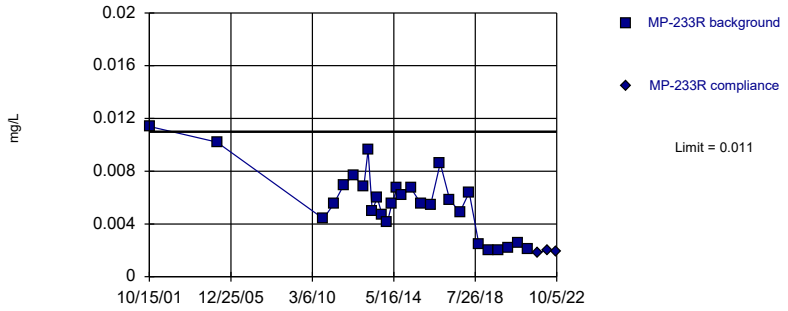
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.005621, Std. Dev.=0.00247, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.896. Kappa = 2.333 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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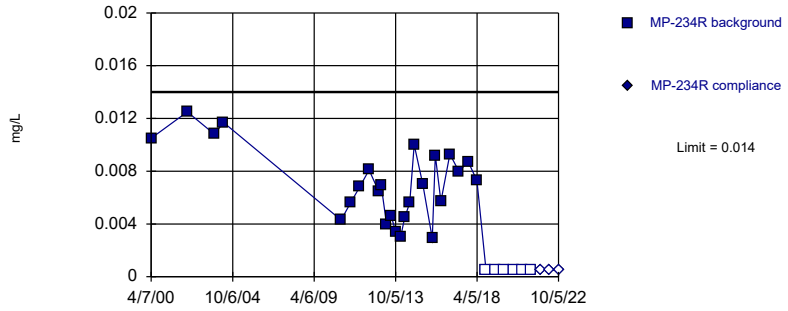
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0058, Std. Dev.=0.003478, n=31, 19.35% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9435, critical = 0.902. Kappa = 2.3 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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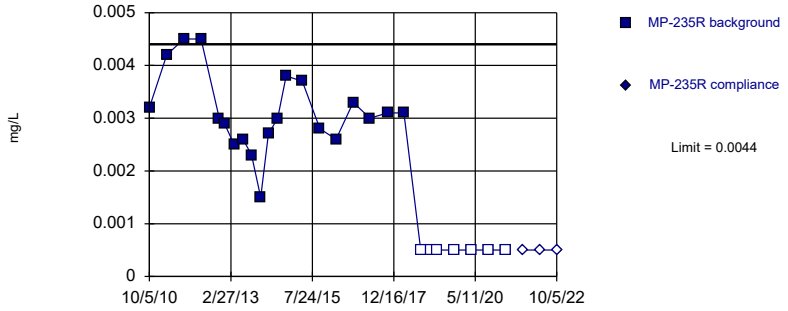
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.000006513, Std. Dev.=0.000005488, n=27, 25.93% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9056, critical = 0.894. Kappa = 2.345 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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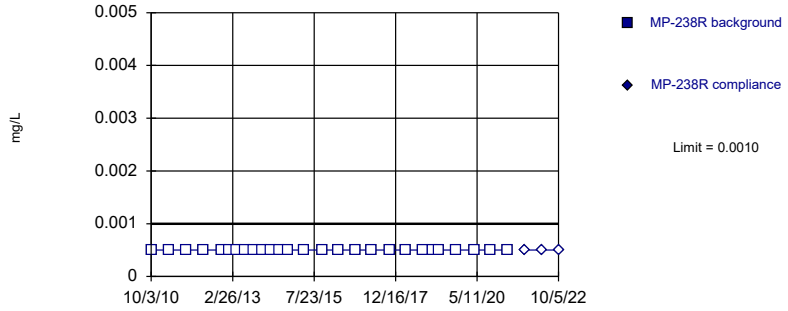
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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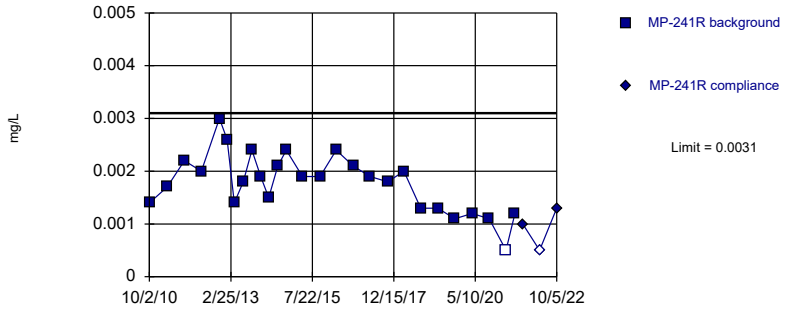
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001781, Std. Dev.=0.0005519, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9822, critical = 0.894. Kappa = 2.345 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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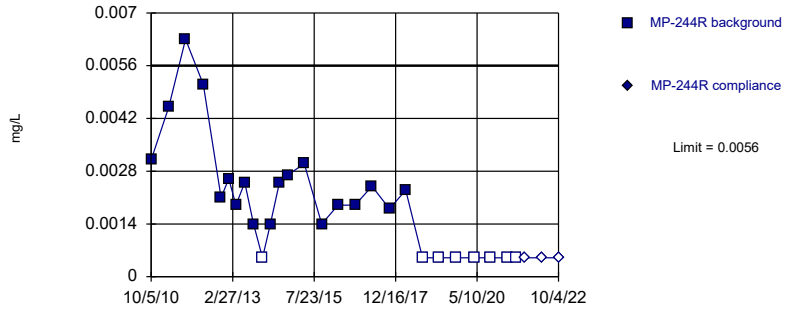
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04318, Std. Dev.=0.01348, n=27, 29.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.894. Kappa = 2.345 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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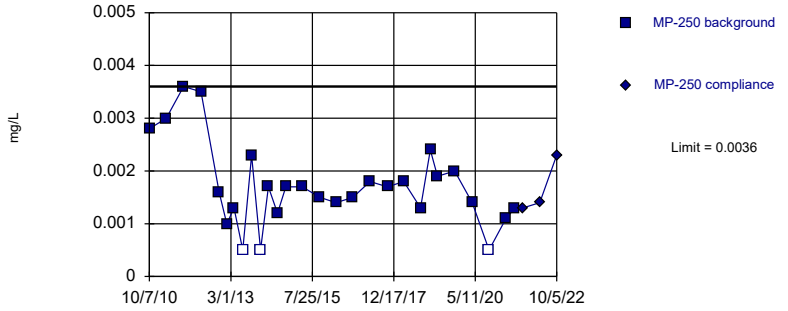
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001714, Std. Dev.=0.0007915, n=28, 10.71% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9219, critical = 0.896. Kappa = 2.333 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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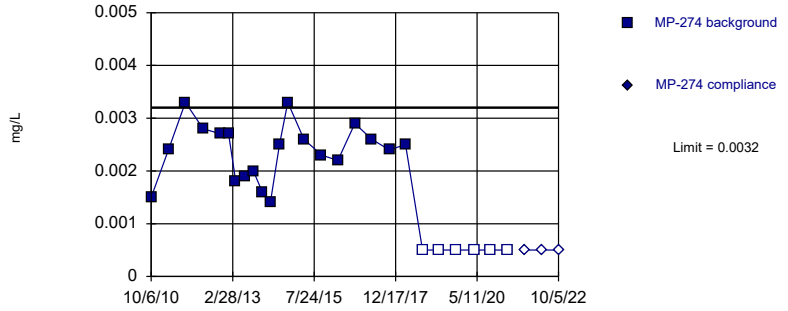
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.000003902, Std. Dev.=0.000002769, n=26, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9274, critical = 0.891. Kappa = 2.358 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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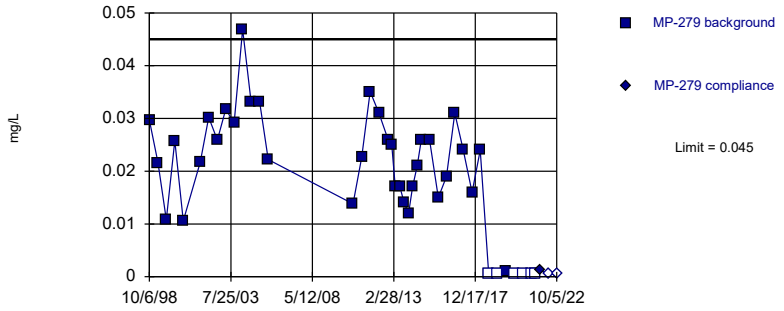
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01974, Std. Dev.=0.01143, n=41, 14.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.92. Kappa = 2.233 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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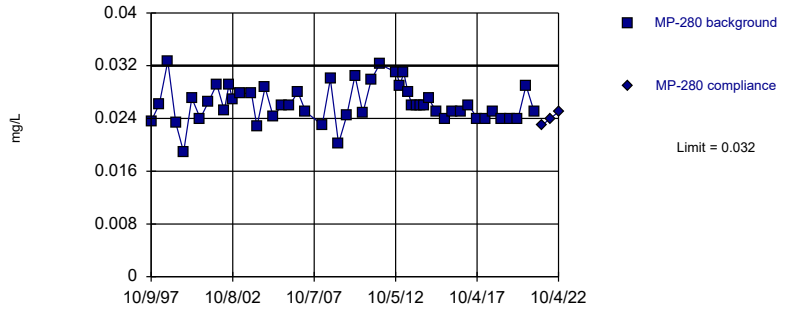
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02623, Std. Dev.=0.002839, n=51. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9639, critical = 0.935. Kappa = 2.189 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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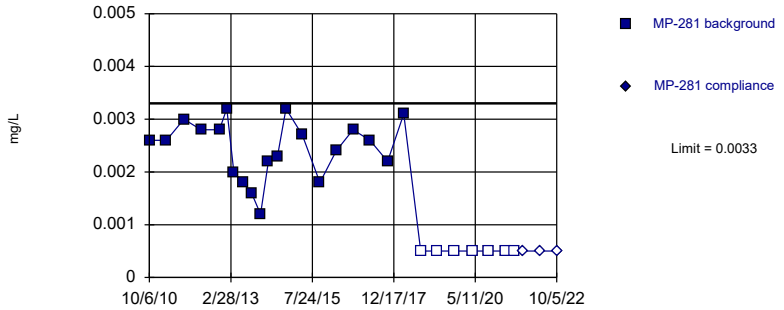
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.000003756, Std. Dev.=0.000003051, n=27, 25.93% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9027, critical = 0.894. Kappa = 2.345 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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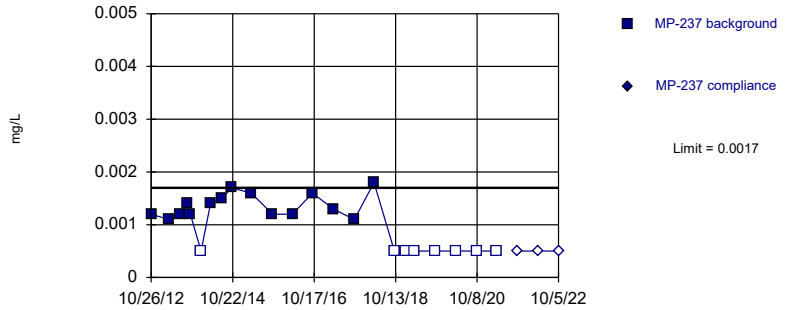
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.000001418, Std. Dev.=6.7e-7, n=23, 34.78% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8888, critical = 0.881. Kappa = 2.411 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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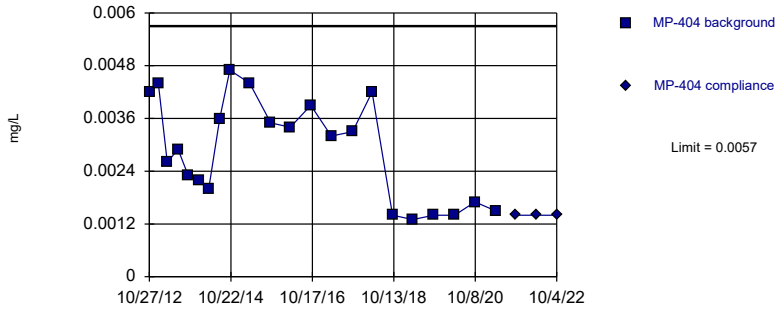
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002886, Std. Dev.=0.001153, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9185, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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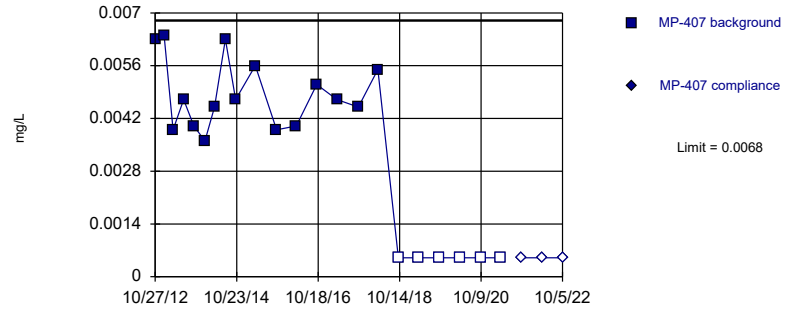
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.00001346, Std. Dev.=0.00001342, n=22, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.908, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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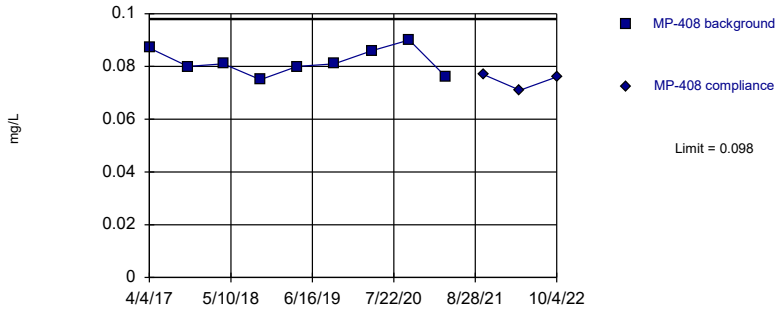
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.08178, Std. Dev.=0.004994, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9379, critical = 0.764. Kappa = 3.312 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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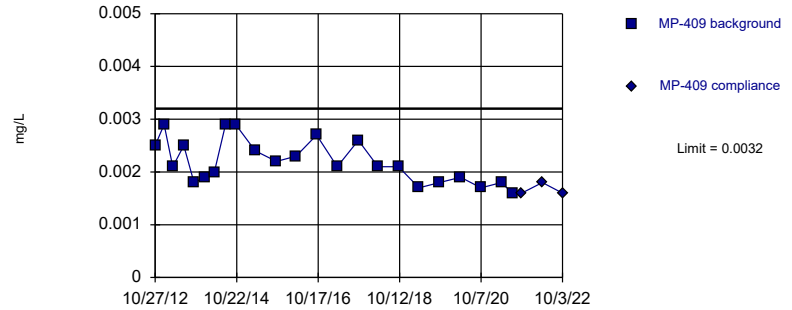
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002196, Std. Dev.=0.0004106, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.881. Kappa = 2.411 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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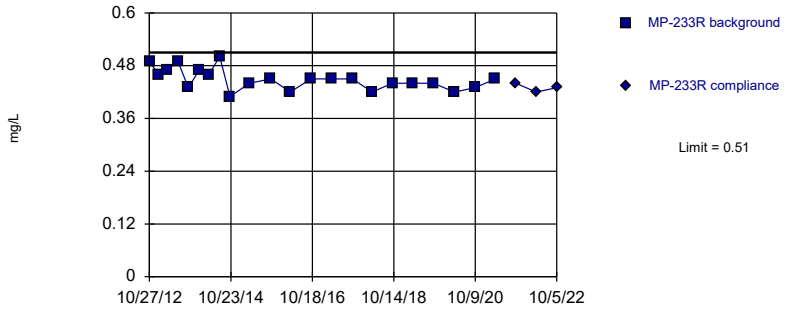
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4491, Std. Dev.=0.02408, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9505, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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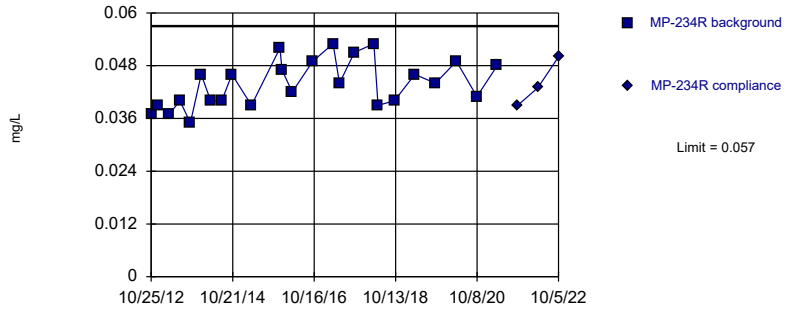
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04388, Std. Dev.=0.005372, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.888. Kappa = 2.37 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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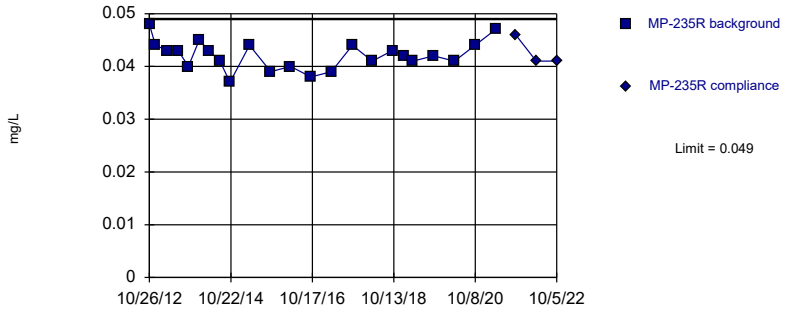
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04213, Std. Dev.=0.002702, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9769, critical = 0.881. Kappa = 2.411 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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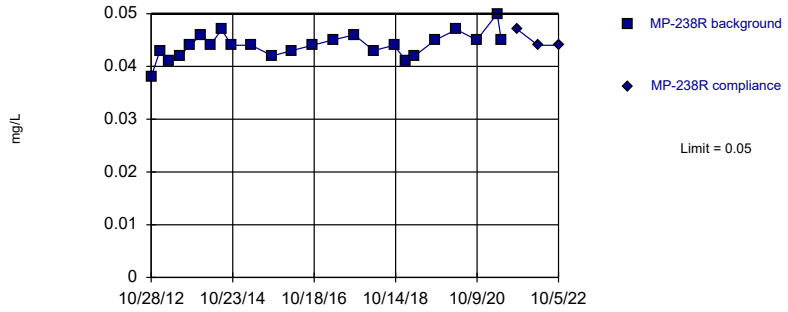
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04396, Std. Dev.=0.002422, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9661, critical = 0.884. Kappa = 2.39 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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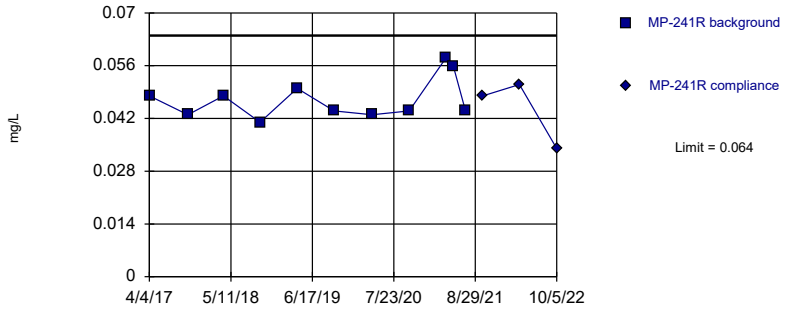
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04718, Std. Dev.=0.005546, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8597, critical = 0.792. Kappa = 2.98 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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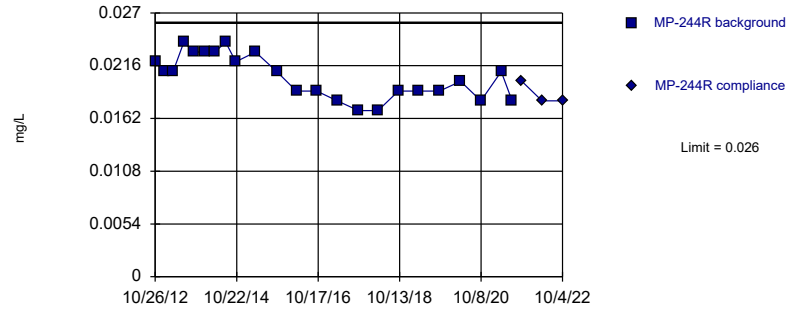
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02048, Std. Dev.=0.002233, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.881. Kappa = 2.411 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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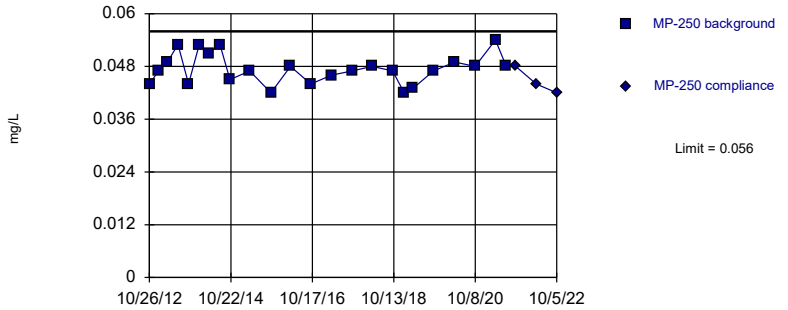
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04746, Std. Dev.=0.003476, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.94, critical = 0.884. Kappa = 2.39 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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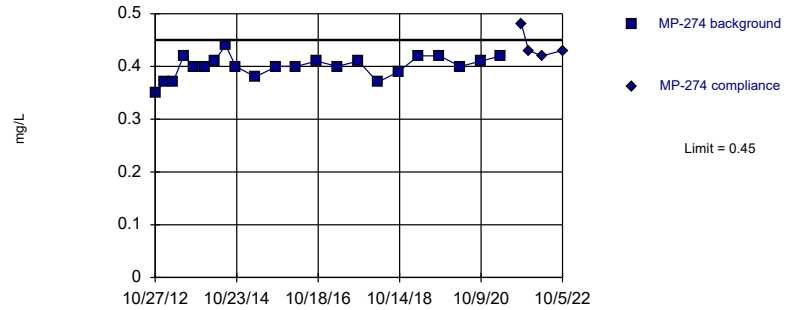
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3995, Std. Dev.=0.02104, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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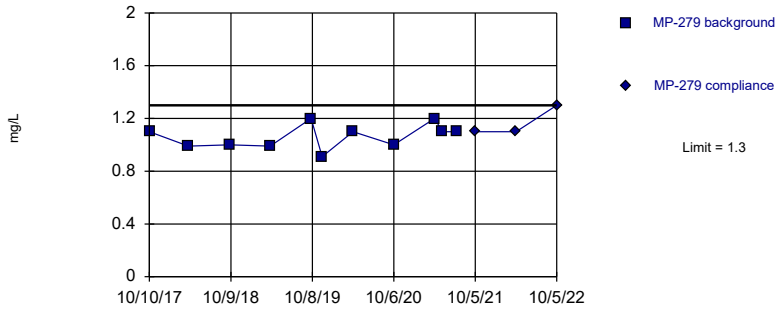
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.063, Std. Dev.=0.09221, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.91, critical = 0.792. Kappa = 2.98 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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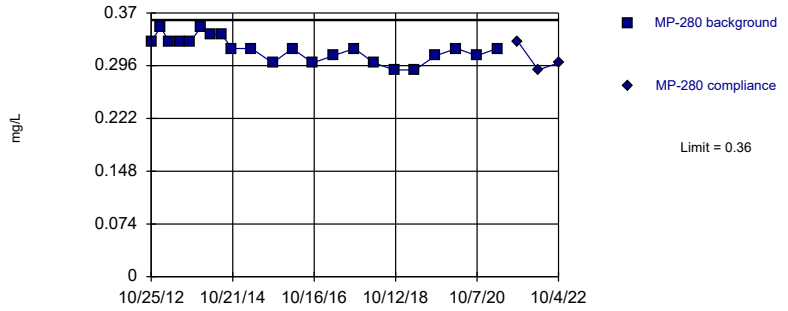
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3195, Std. Dev.=0.01731, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

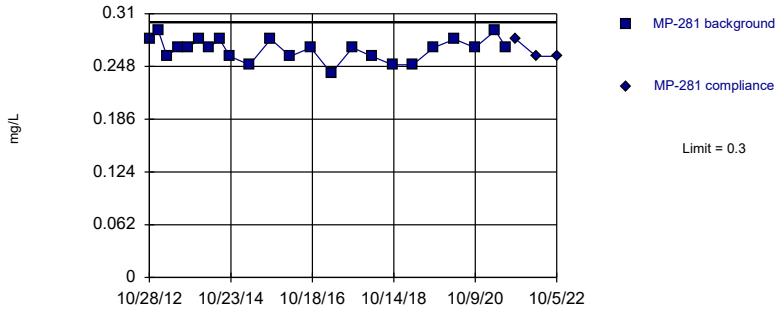
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2683, Std. Dev.=0.01302, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9394, critical = 0.881. Kappa = 2.411 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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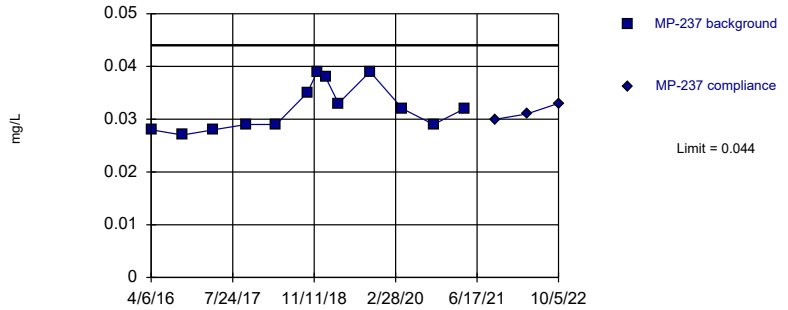
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.03215, Std. Dev.=0.004356, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8764, critical = 0.814. Kappa = 2.796 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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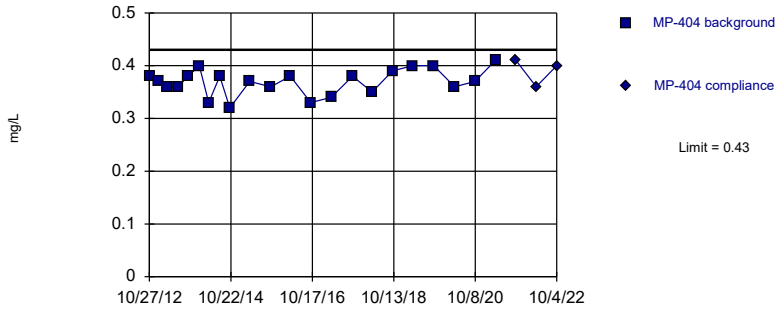
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3691, Std. Dev.=0.02448, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.958, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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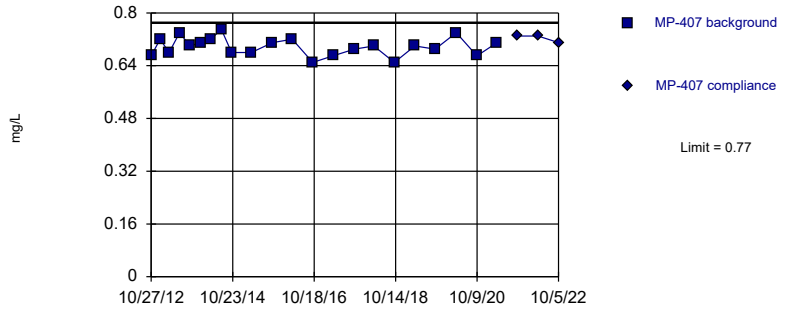
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6977, Std. Dev.=0.02776, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.969, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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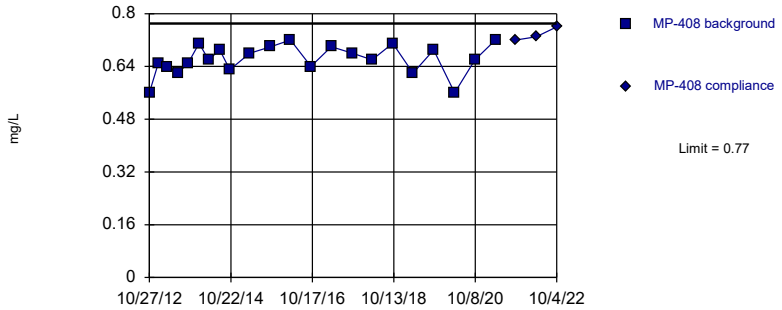
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6614, Std. Dev.=0.04528, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9207, critical = 0.878. Kappa = 2.431 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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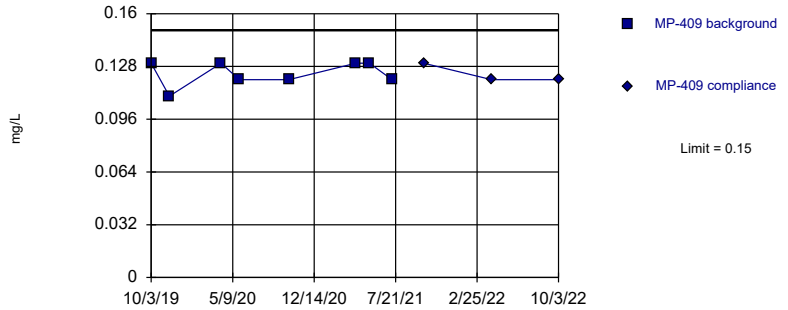
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1238, Std. Dev.=0.00744, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7968, critical = 0.749. Kappa = 3.524 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

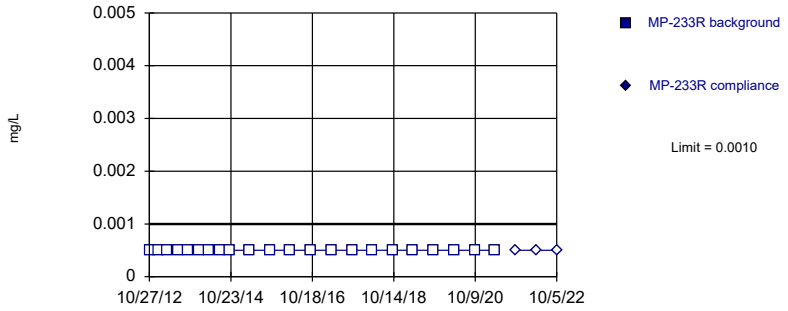
Constituent: Barium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



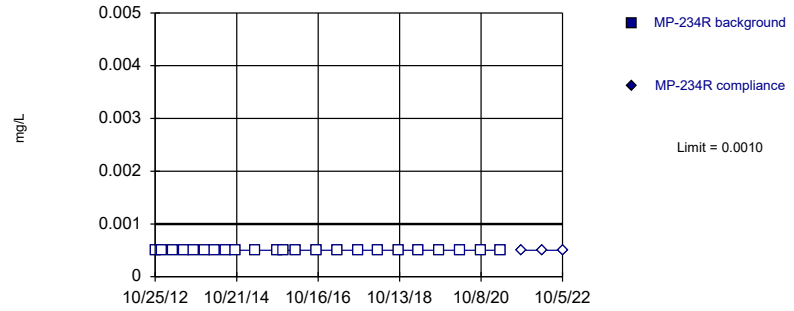
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



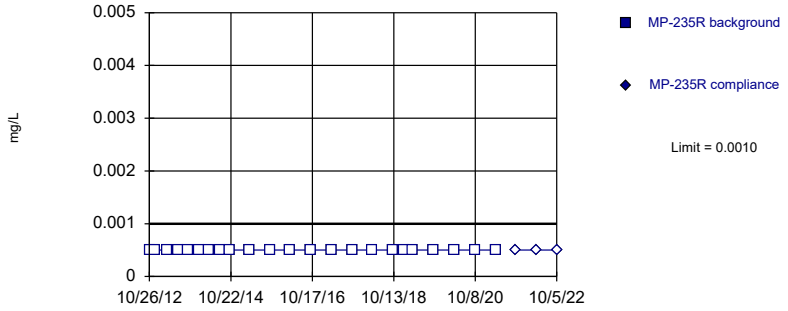
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



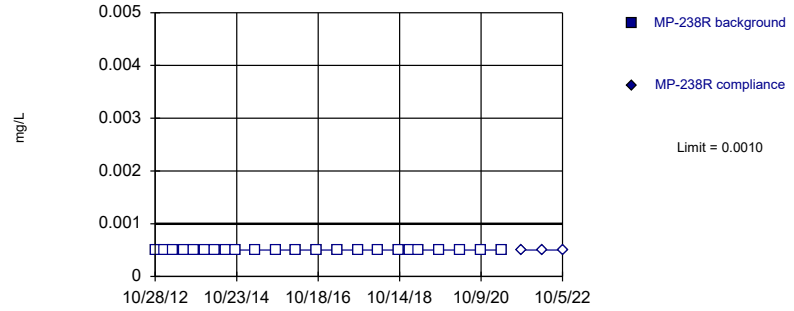
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



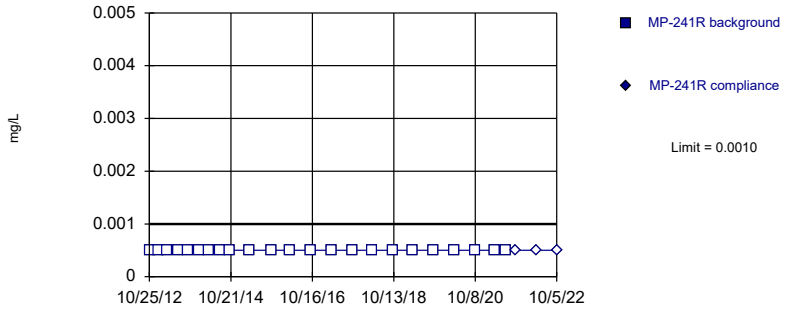
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



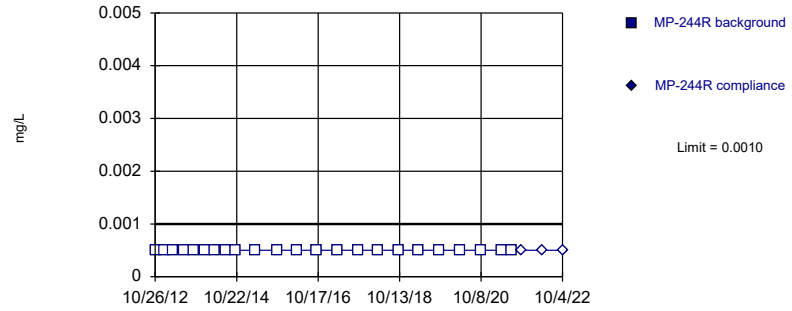
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



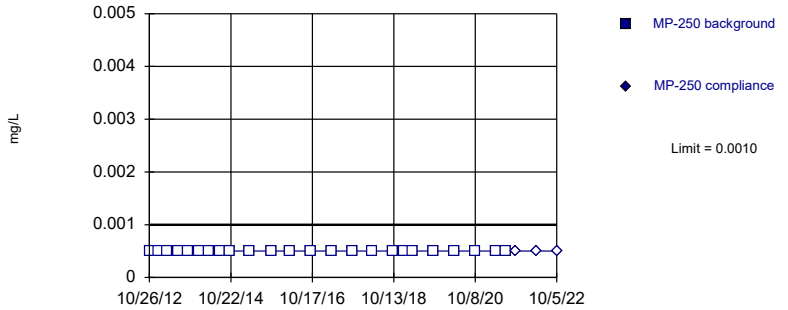
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



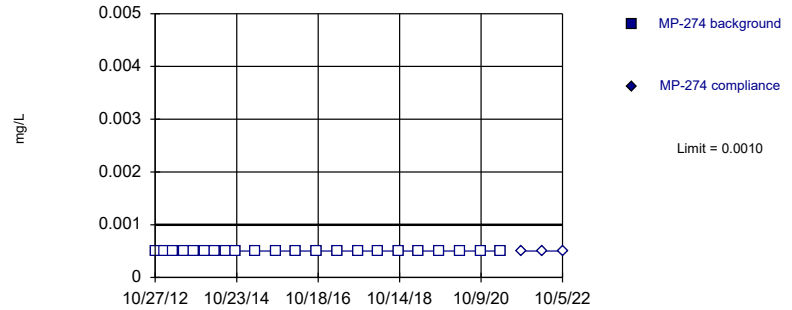
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



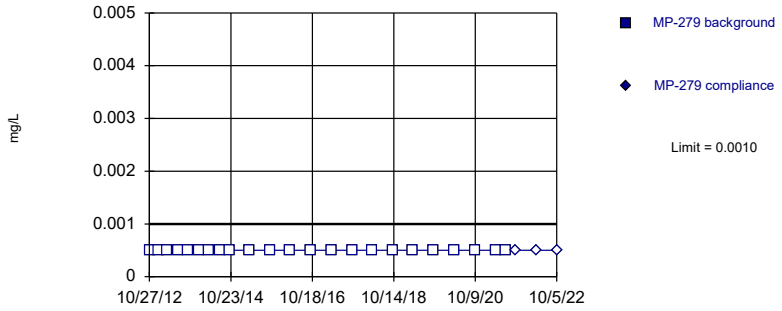
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



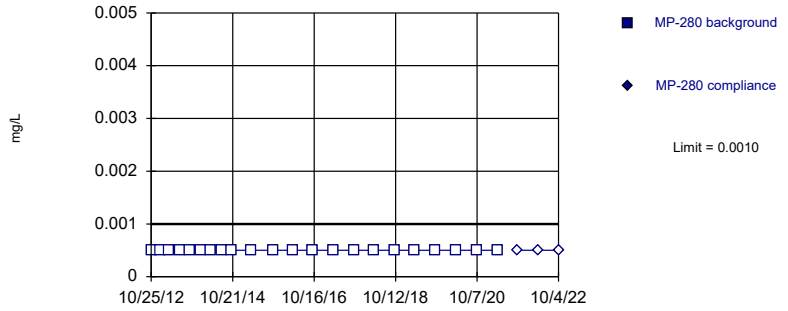
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



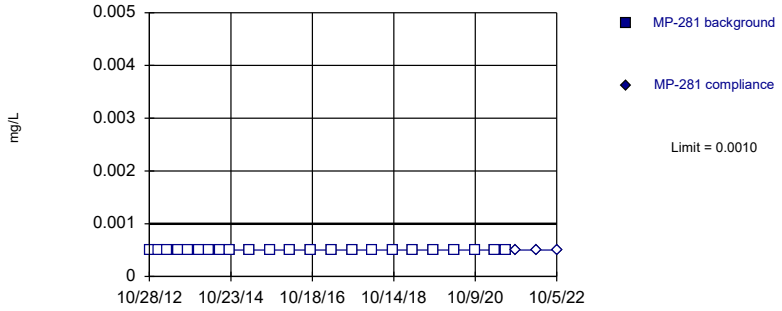
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



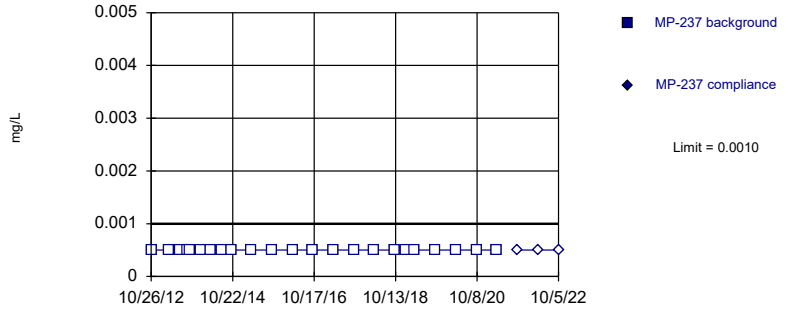
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



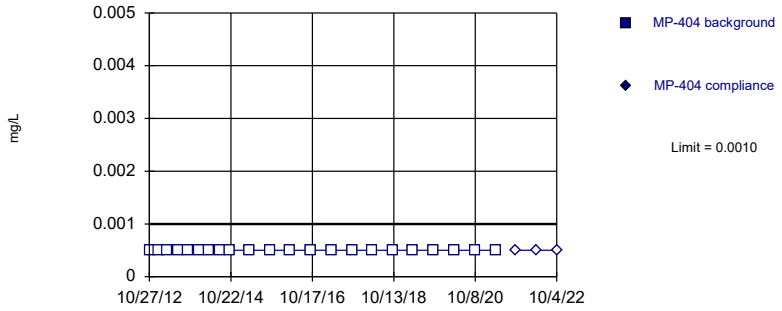
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



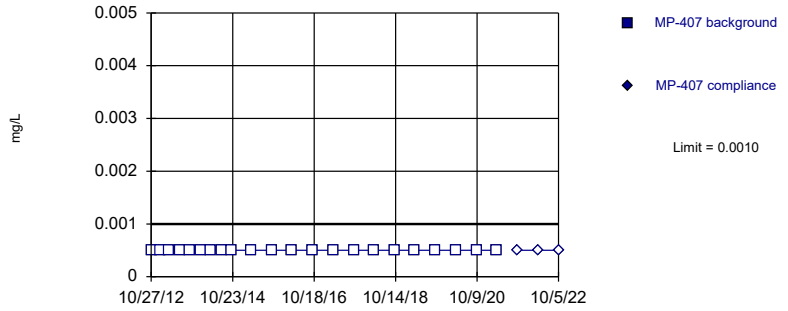
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



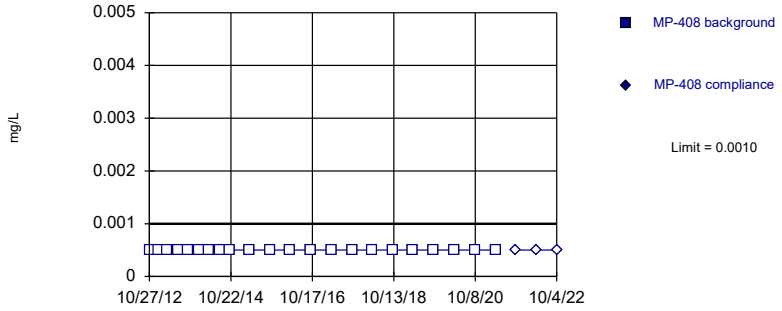
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



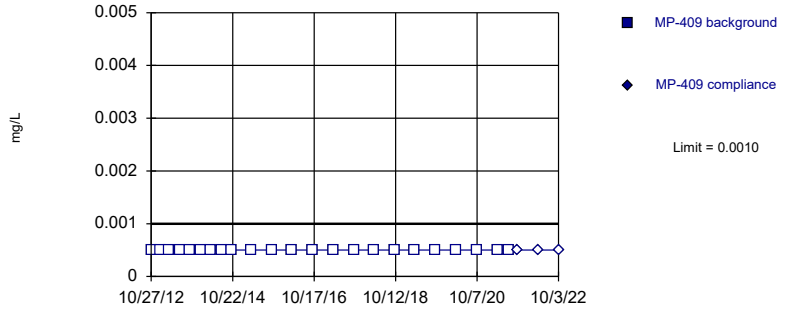
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



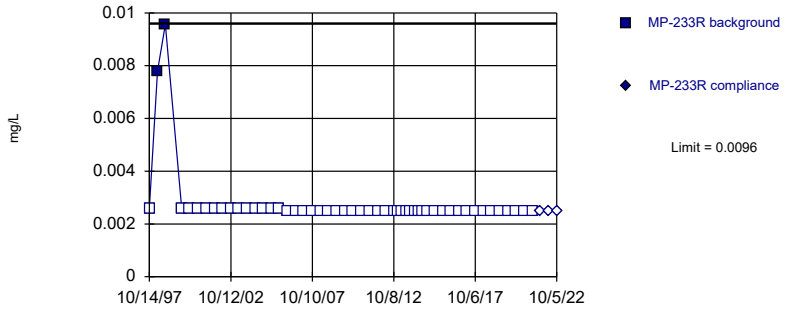
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



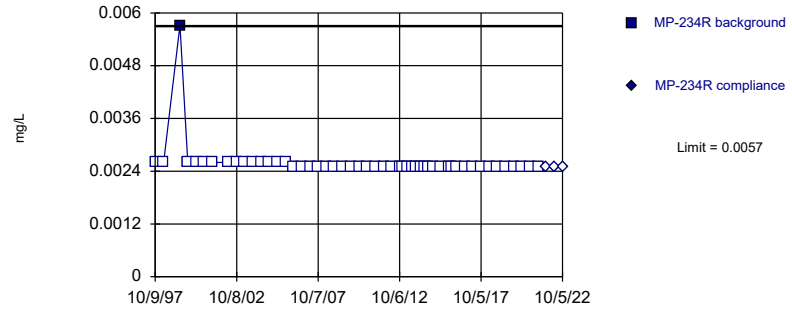
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 51 background values. 96.08% NDs. Well-constituent pair annual alpha = 0.00146. Individual comparison alpha = 0.0007303 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



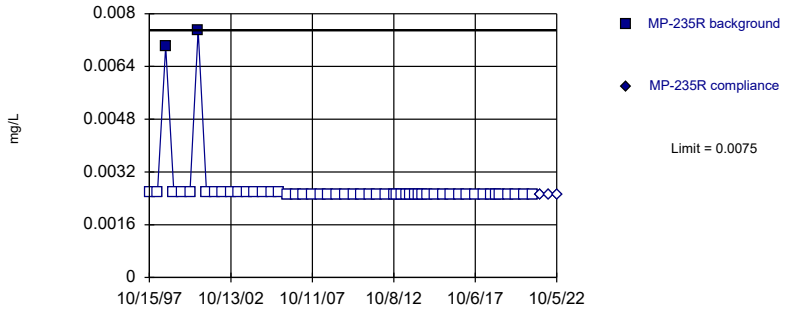
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 51 background values. 98.04% NDs. Well-constituent pair annual alpha = 0.00146. Individual comparison alpha = 0.0007303 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



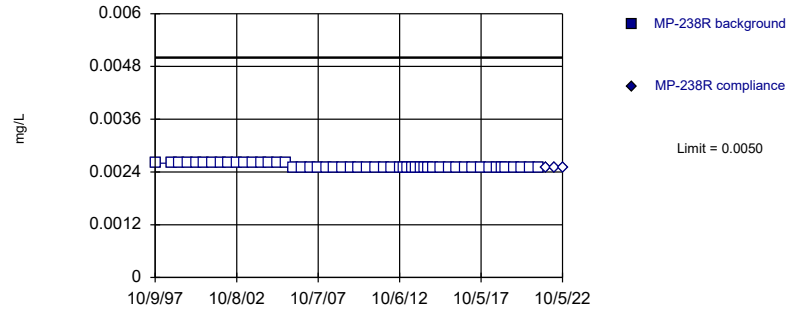
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 53 background values. 96.23% NDs. Well-constituent pair annual alpha = 0.00137. Individual comparison alpha = 0.0006854 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



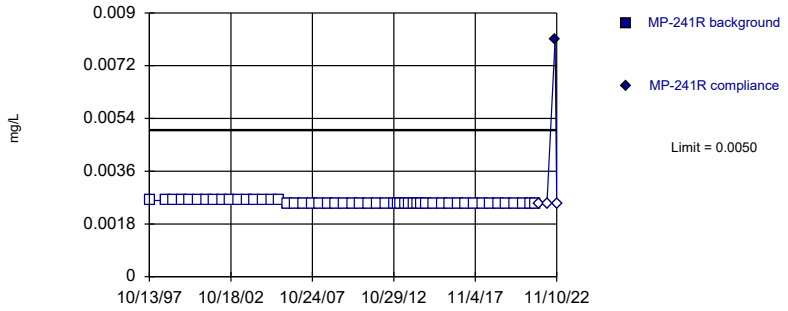
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 52) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001415. Individual comparison alpha = 0.0007079 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



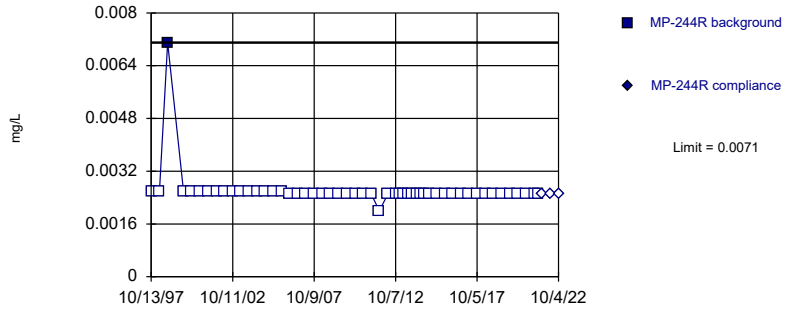
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 52) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001415. Individual comparison alpha = 0.0007079 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



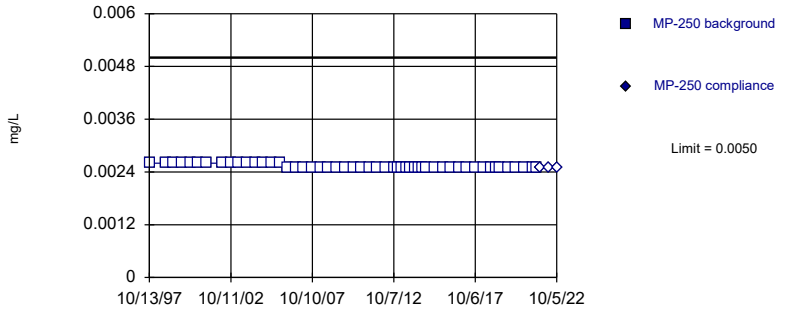
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 52 background values. 98.08% NDs. Well-constituent pair annual alpha = 0.001415. Individual comparison alpha = 0.0007079 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 52) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001415. Individual comparison alpha = 0.0007079 (1 of 2).

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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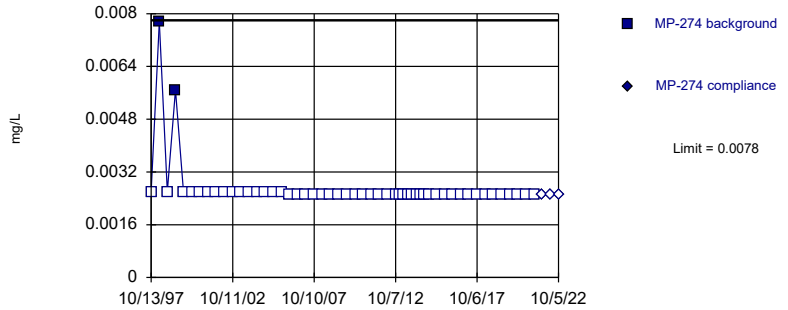
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



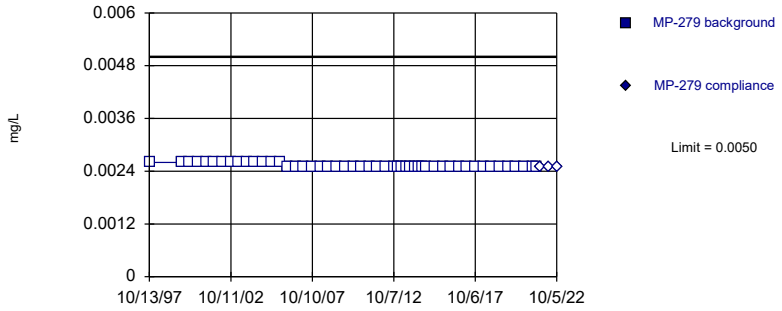
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 52 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.001415. Individual comparison alpha = 0.0007079 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:34 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



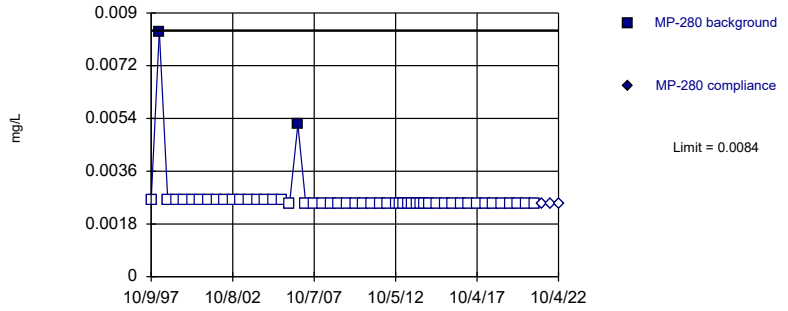
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 50) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001505. Individual comparison alpha = 0.0007528 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 52 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.001415. Individual comparison alpha = 0.0007079 (1 of 2).

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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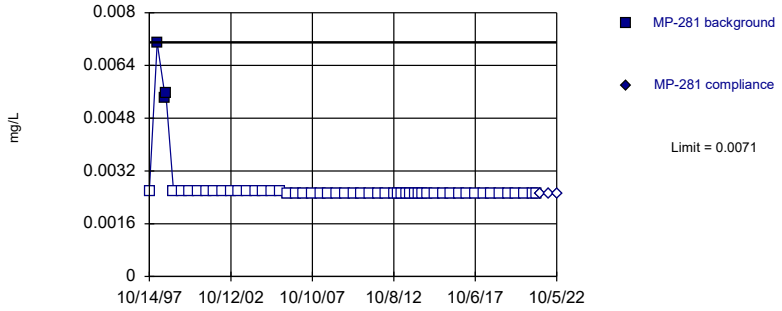
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.001325. Individual comparison alpha = 0.0006629 (1 of 2).

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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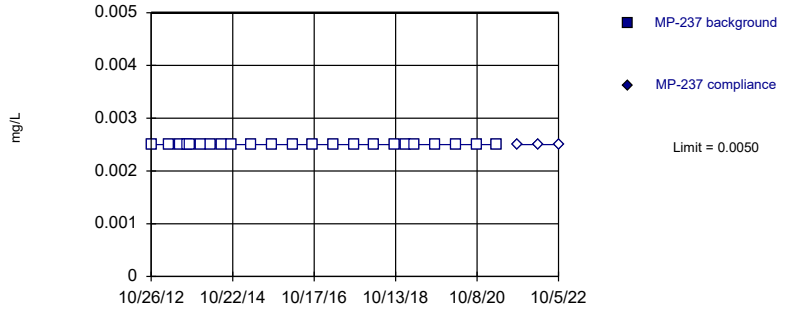
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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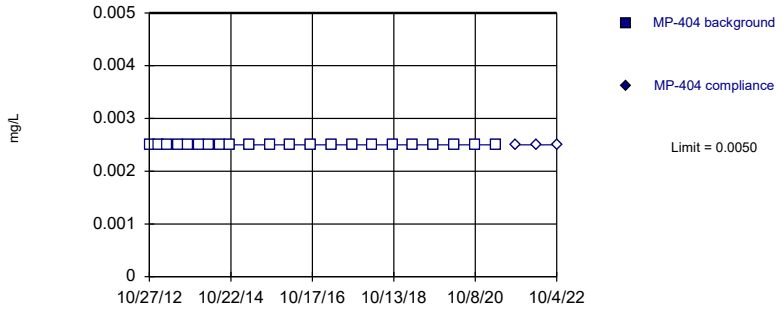
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

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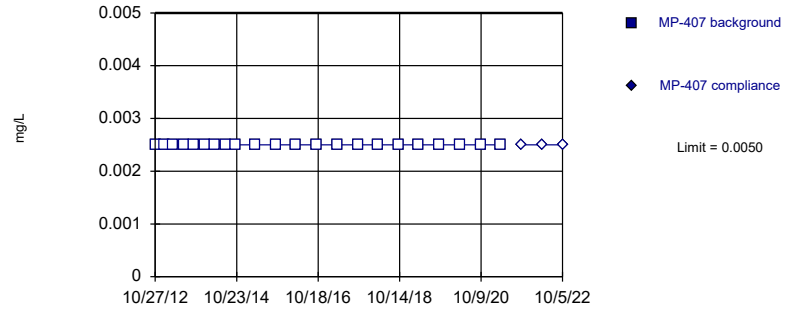
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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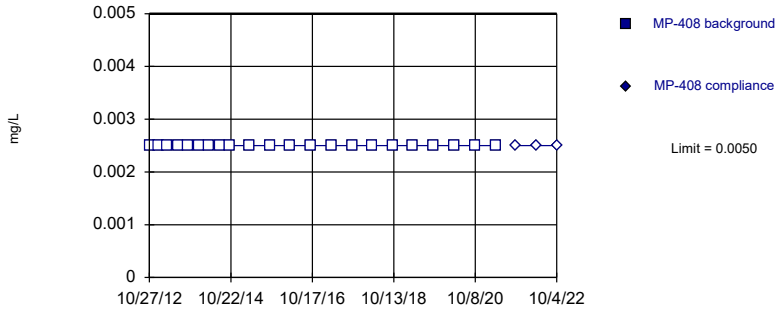
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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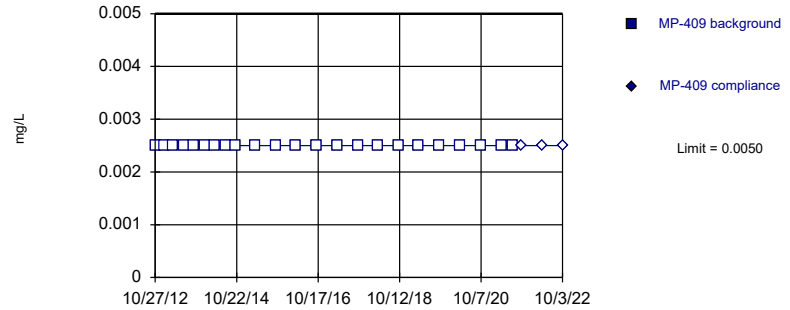

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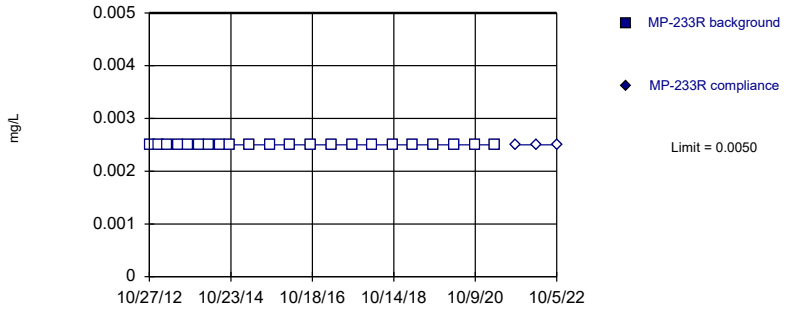

Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Lead Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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Prediction Limit

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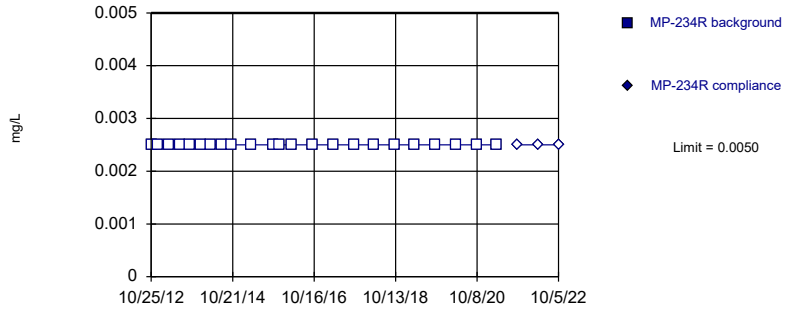

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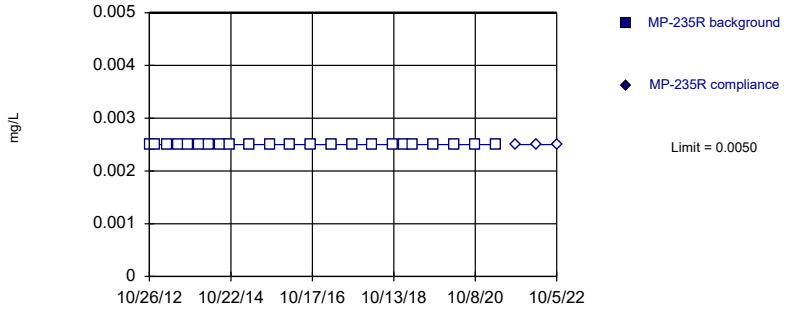

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Within Limit

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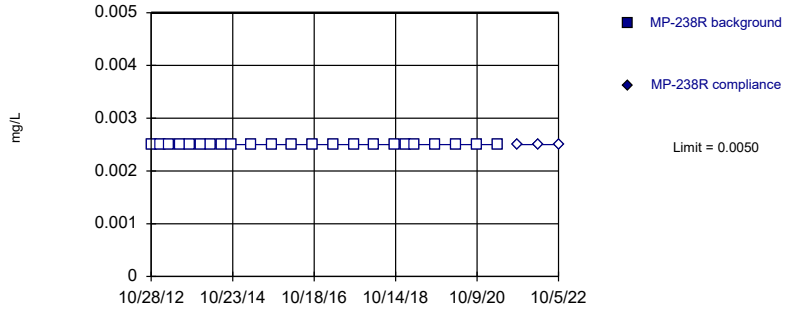

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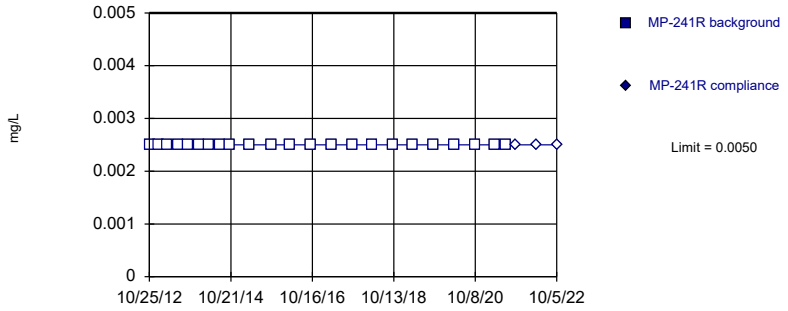

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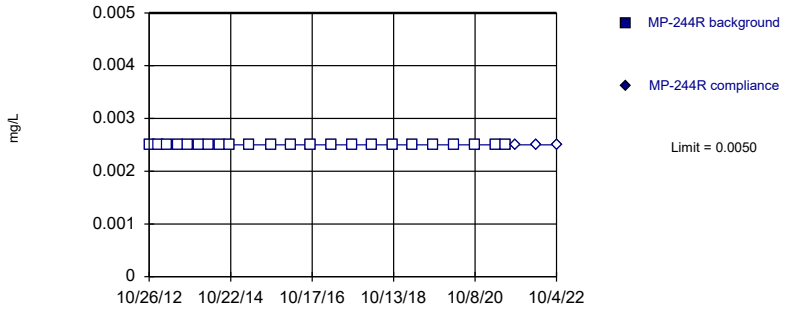

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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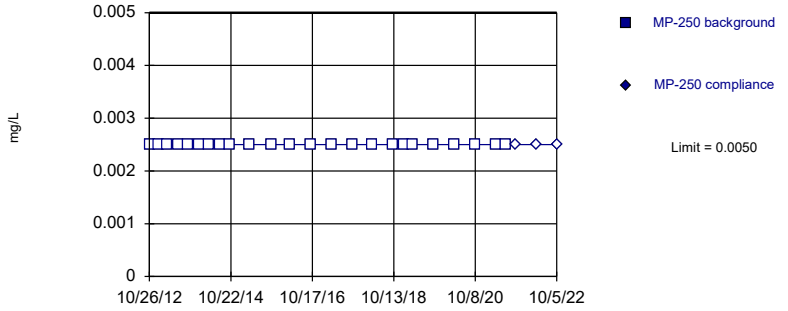
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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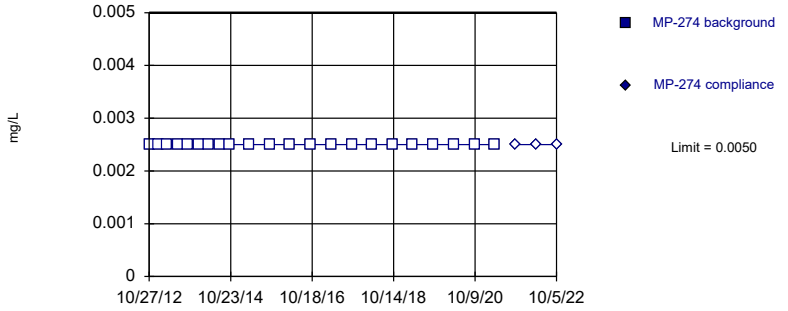
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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Within Limit

Prediction Limit

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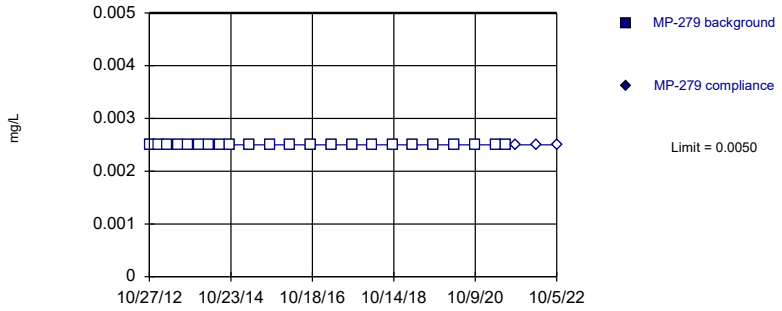

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Within Limit

Prediction Limit

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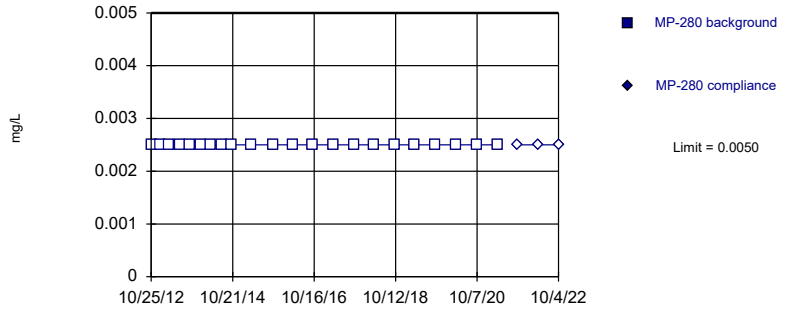

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Constituent: Lead Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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Within Limit

Prediction Limit

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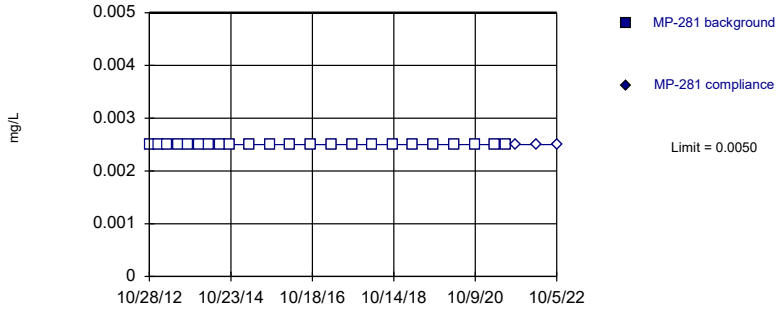

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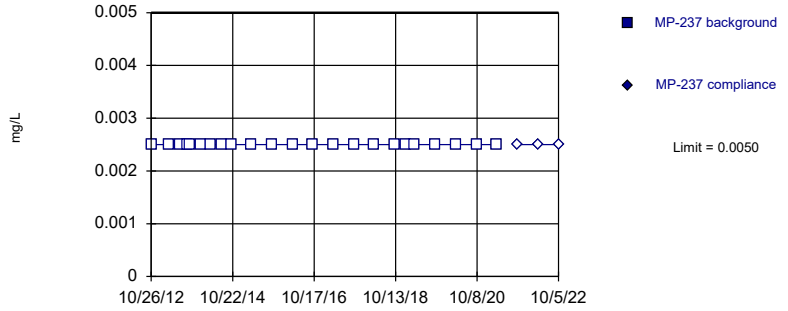

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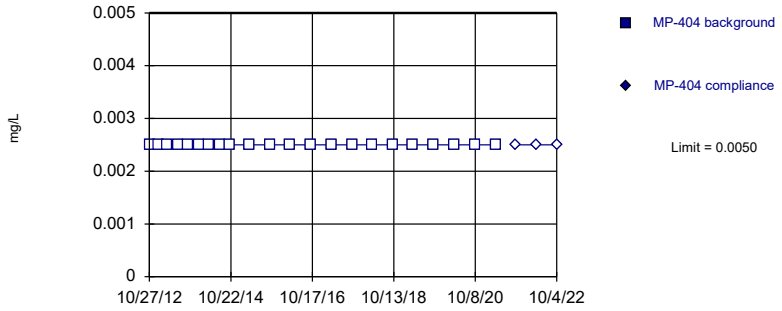
Within Limit

Prediction Limit

Intrawell Non-parametric



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Within Limit

Prediction Limit

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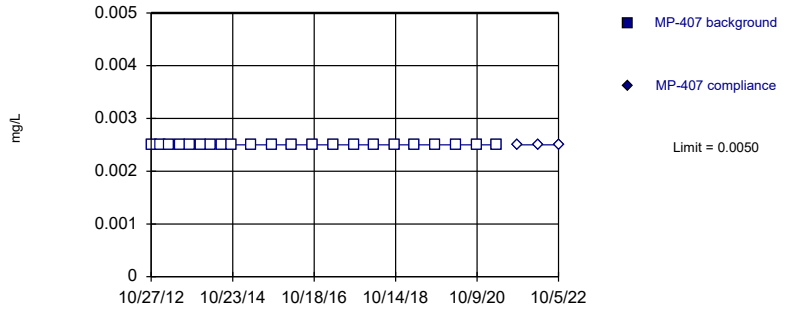

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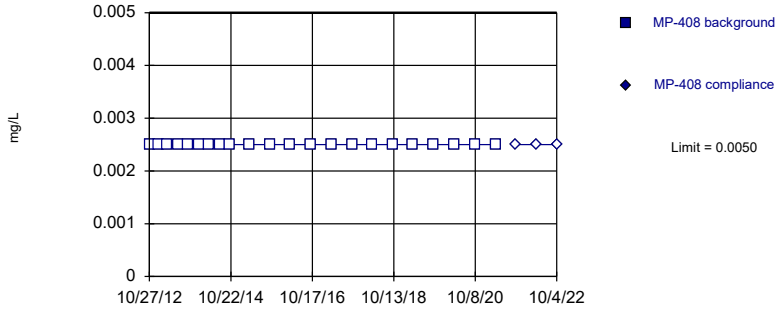

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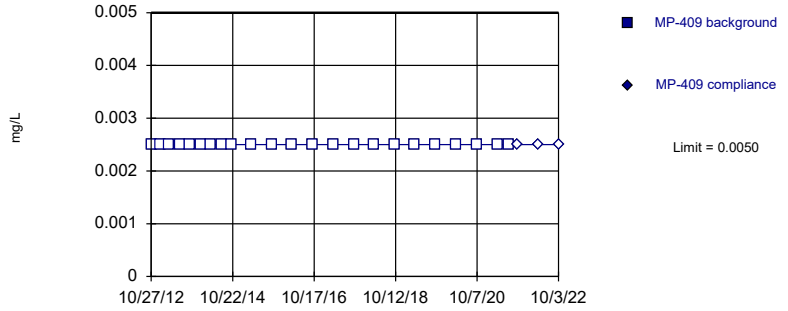
Intrawell Non-parametric



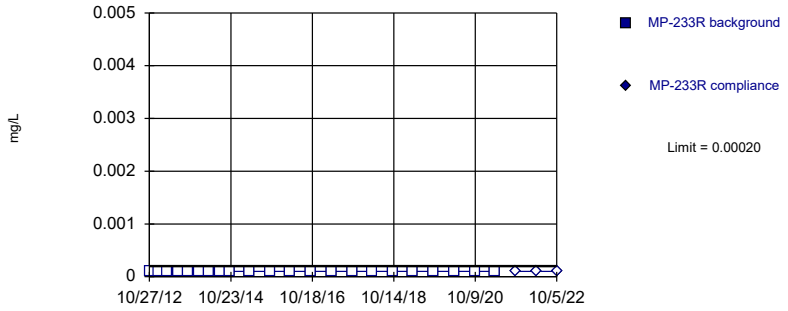
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



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Constituent: Mercury Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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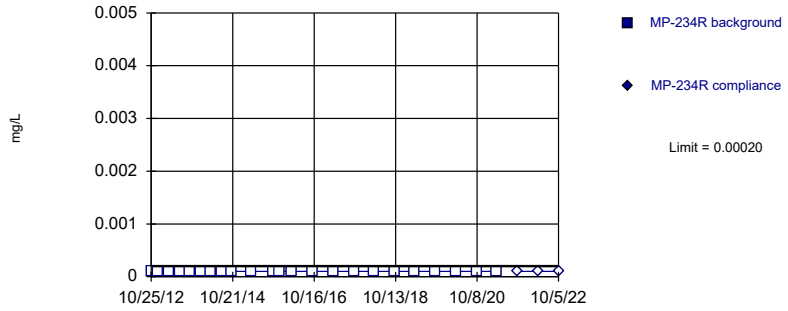
Within Limit

Prediction Limit

Intrawell Non-parametric



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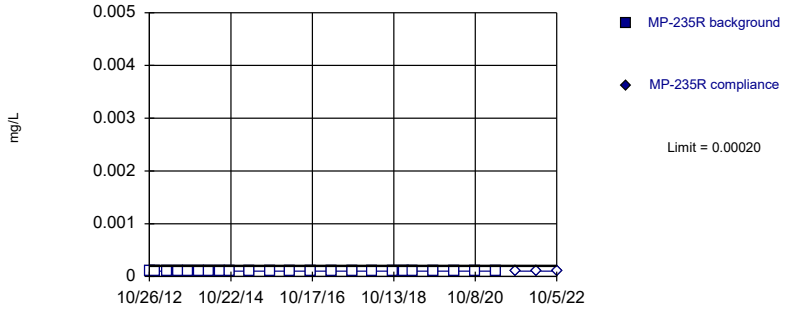

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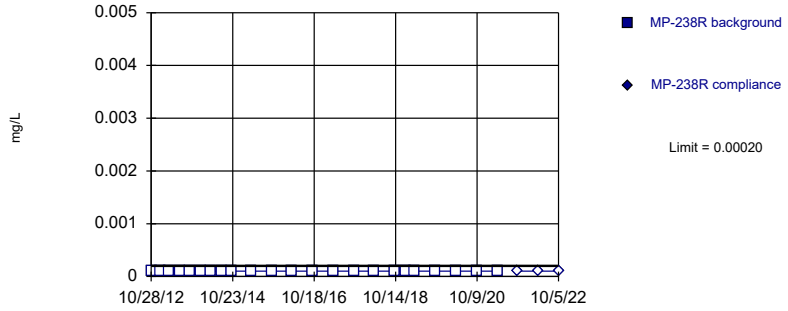

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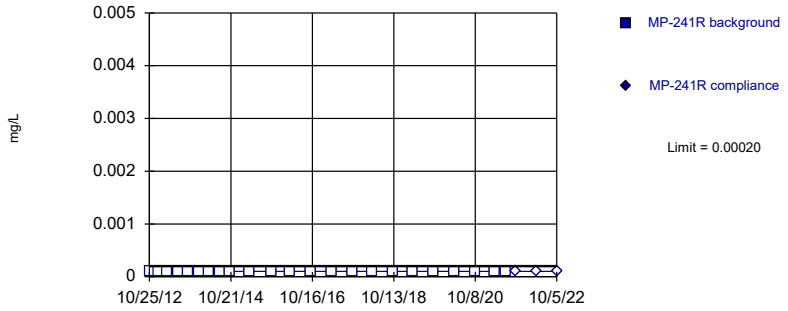

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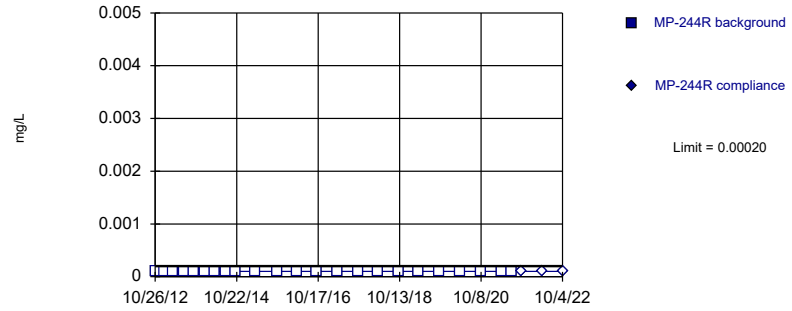

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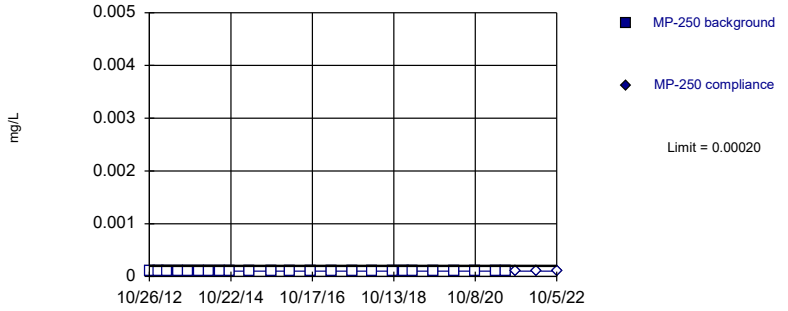

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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Within Limit

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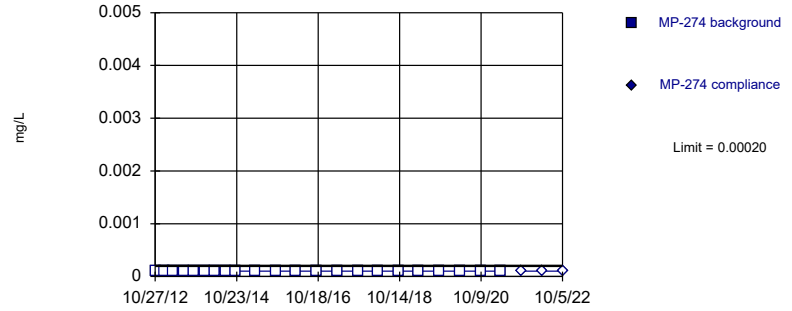

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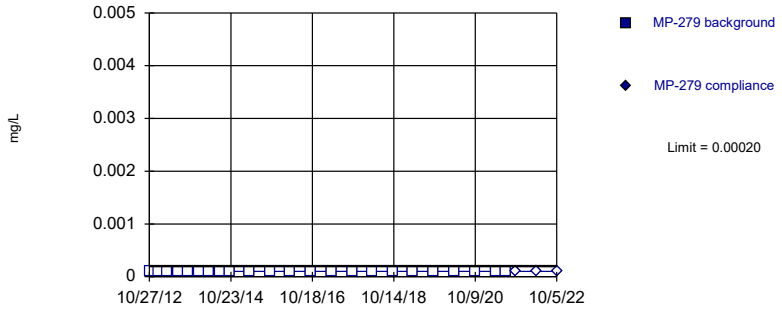

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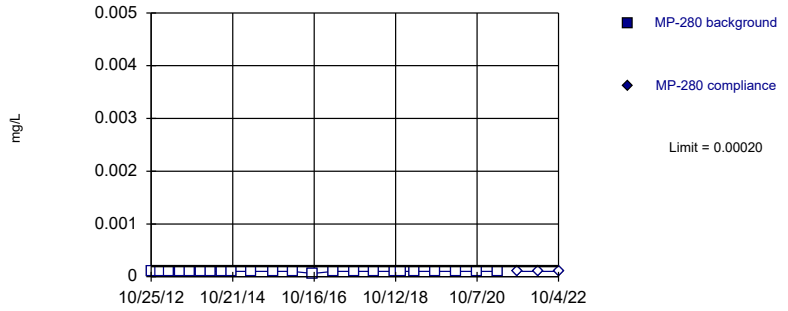

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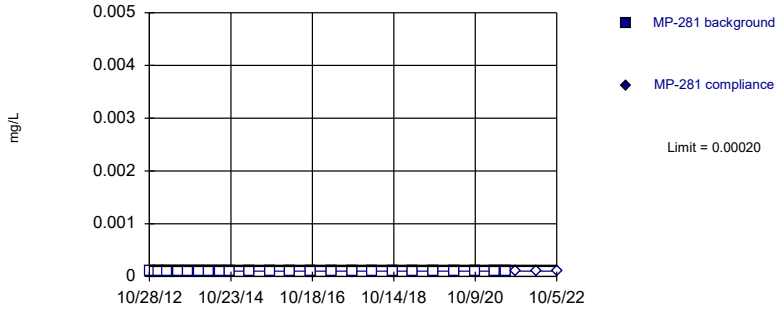

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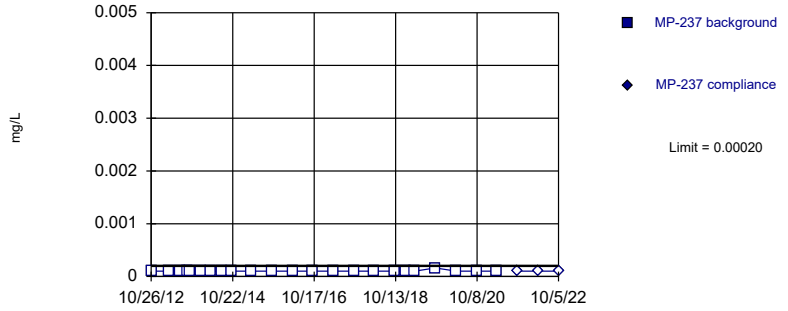

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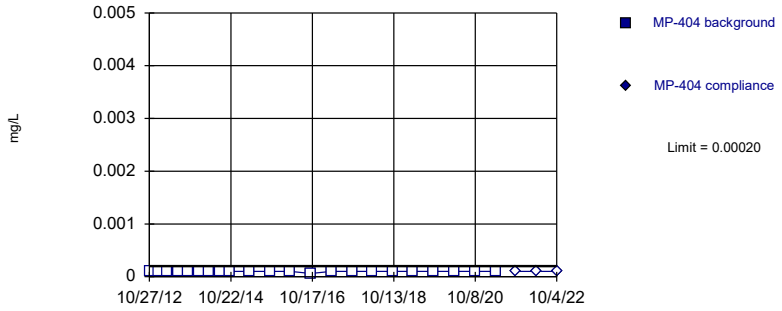

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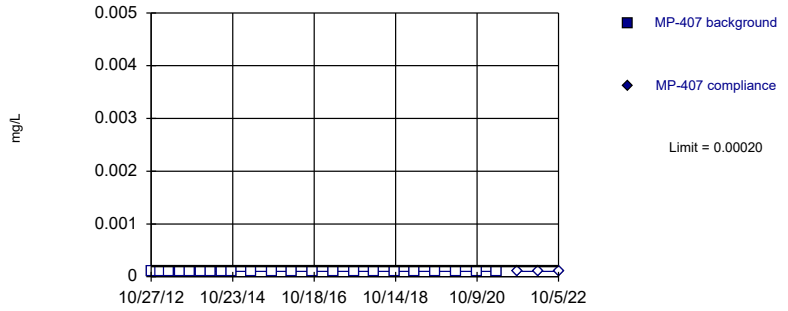

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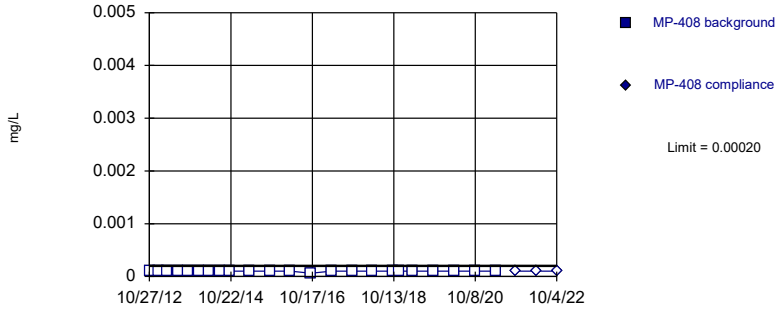

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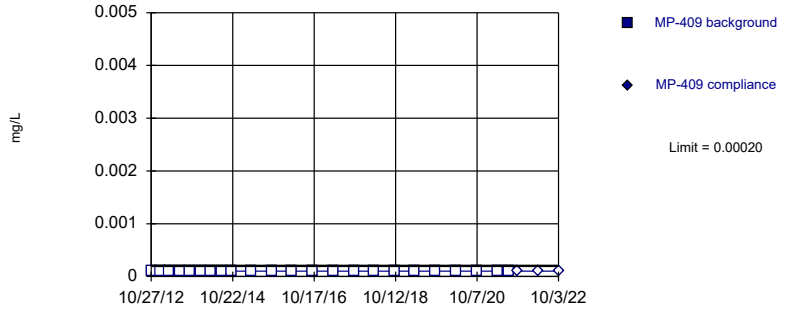

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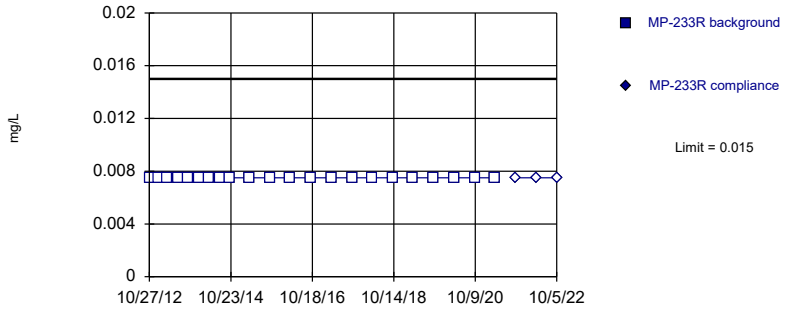

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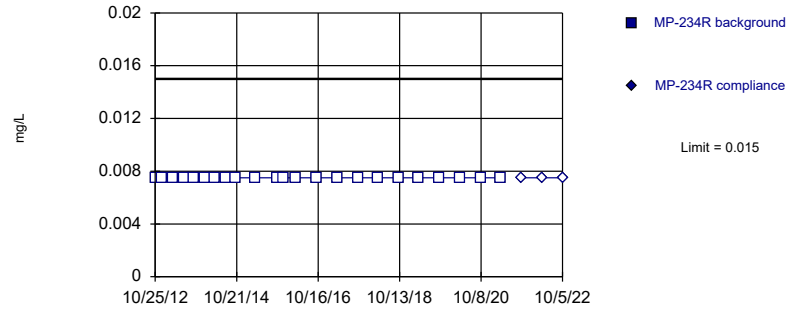

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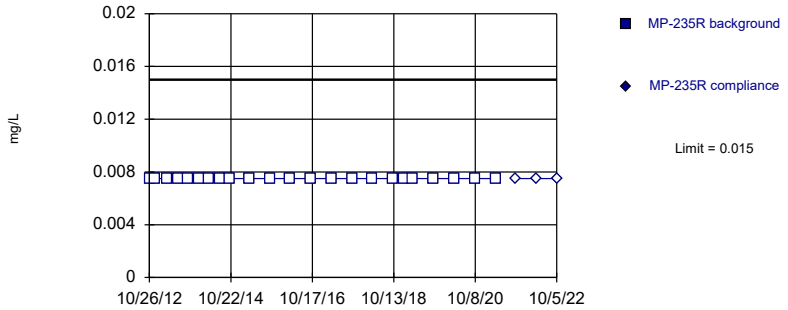

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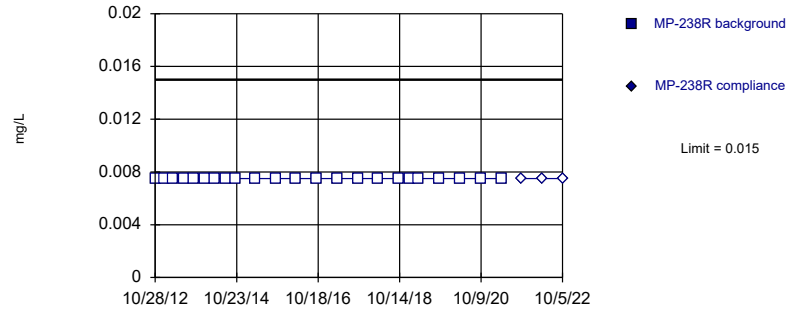

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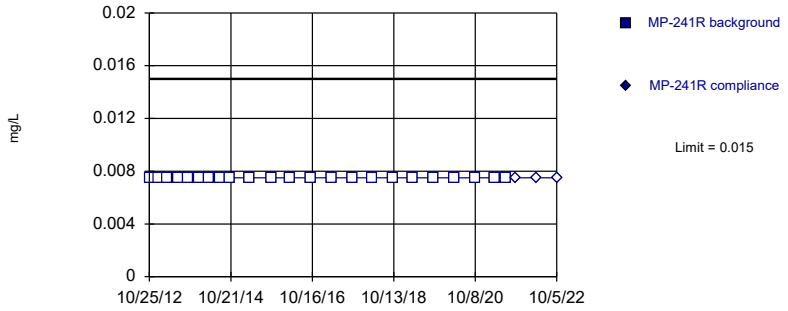

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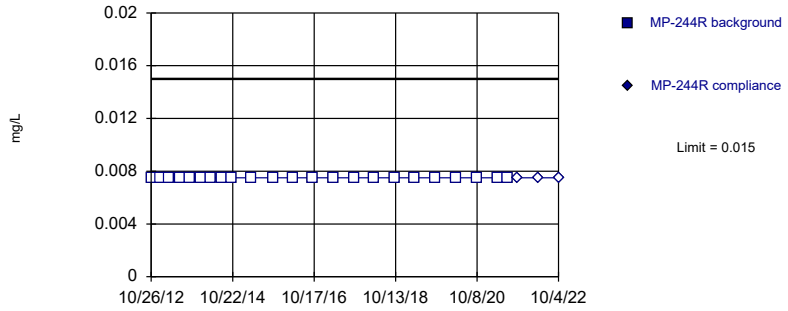

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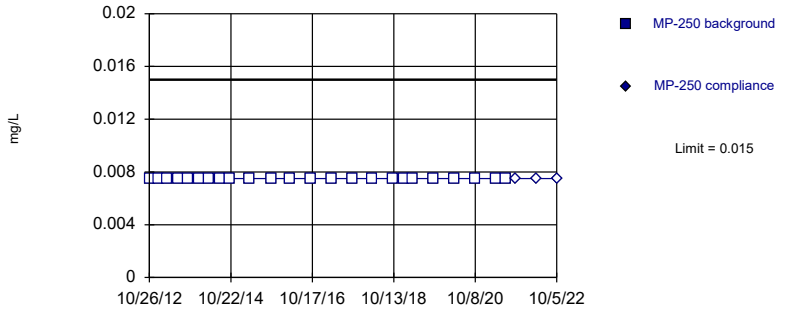

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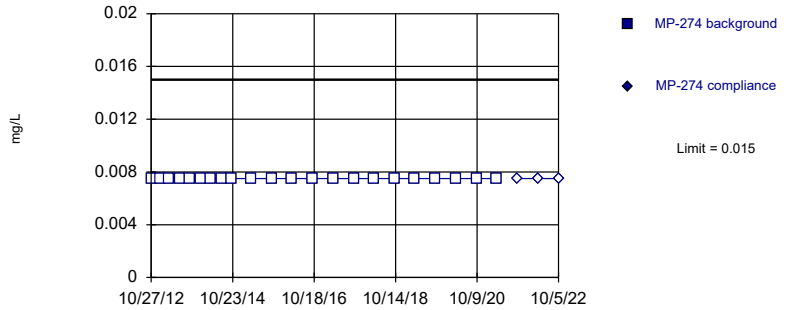

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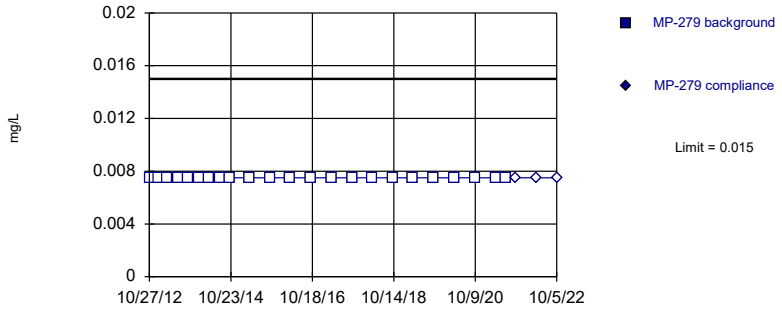

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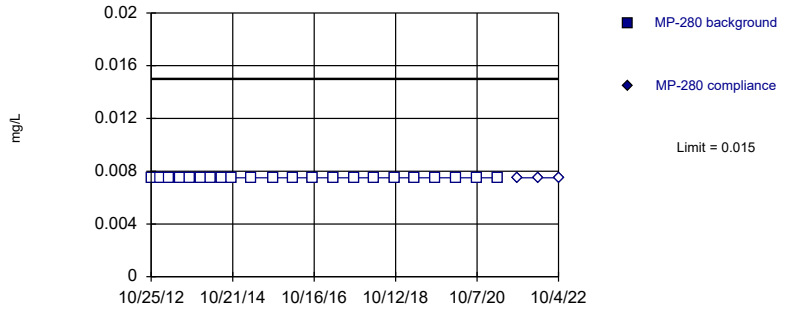

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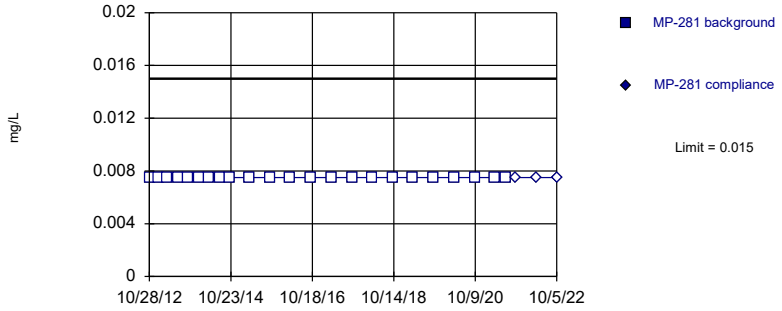

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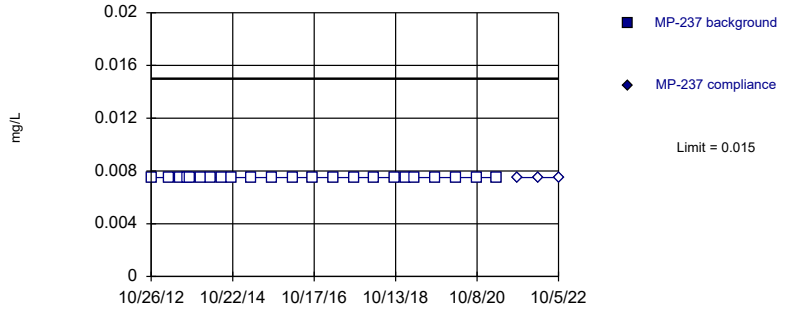
Prediction Limit

Intrawell Non-parametric



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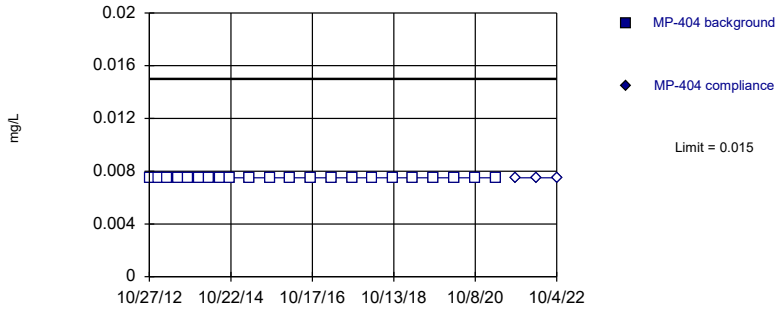
Constituent: Selenium Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



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Prediction Limit

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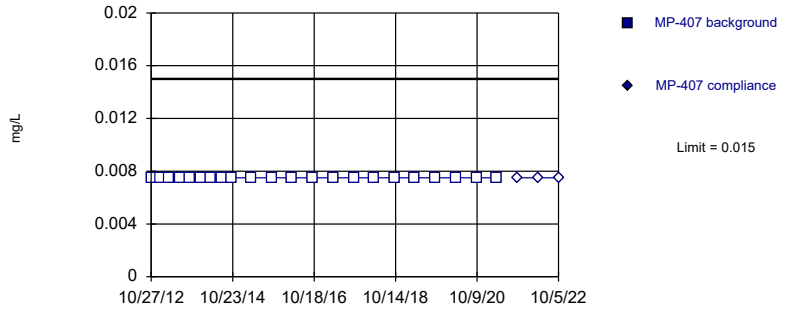

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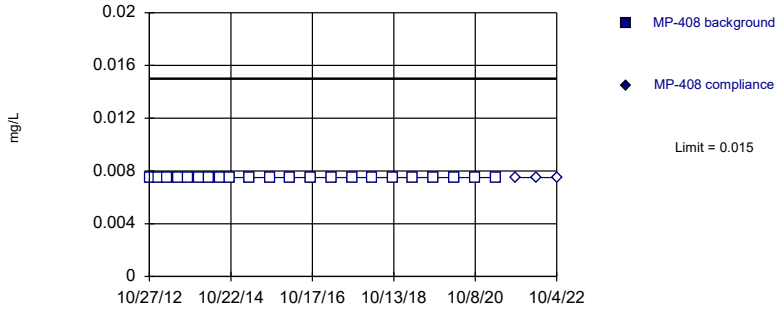

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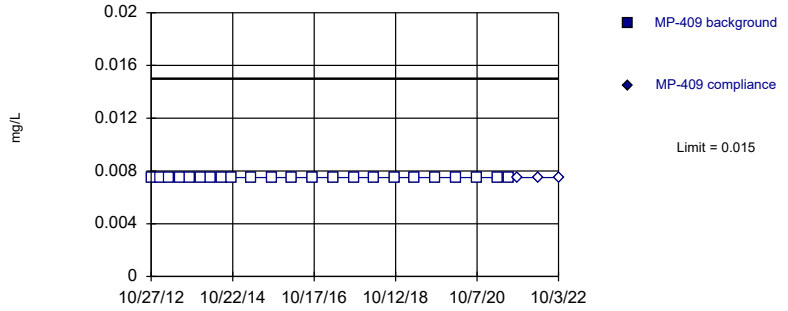

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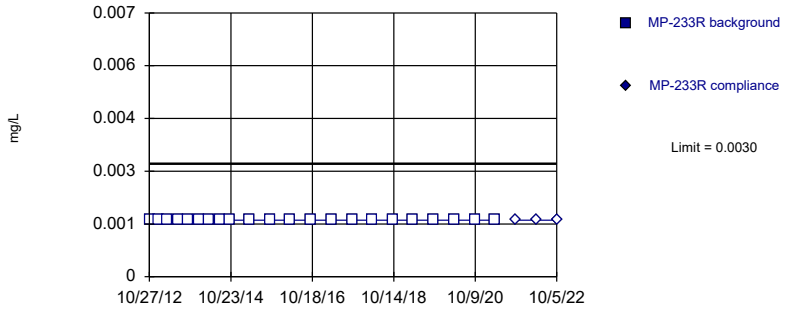
Prediction Limit

Intrawell Non-parametric



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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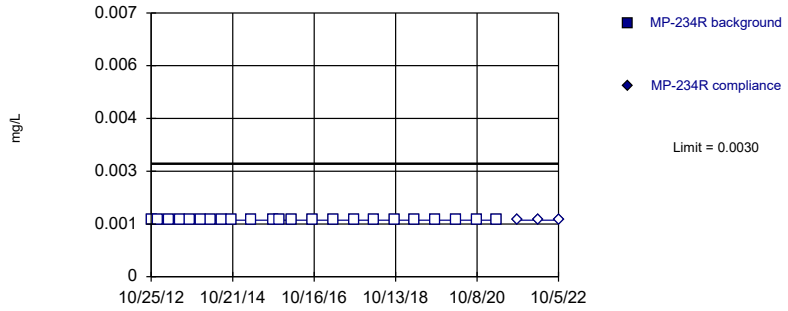
Within Limit

Prediction Limit

Intrawell Non-parametric



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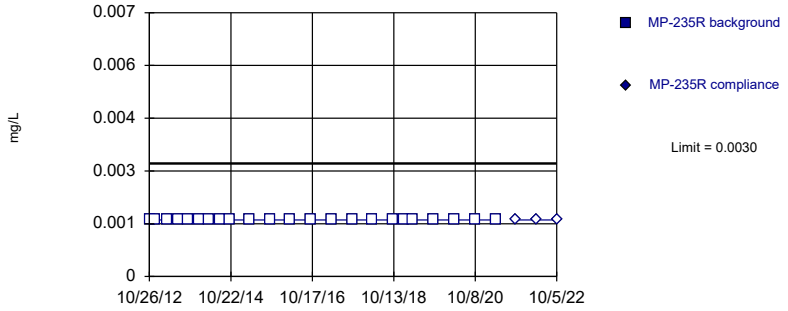

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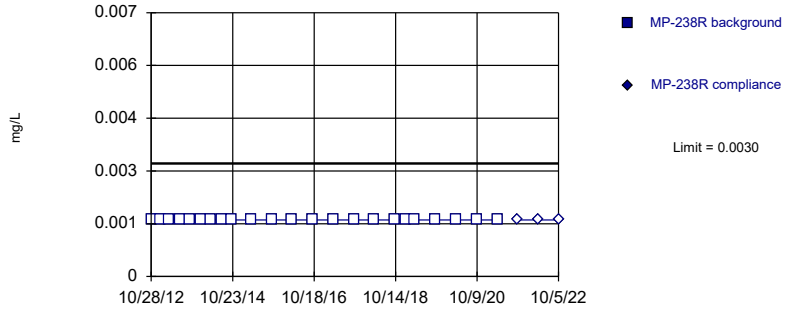

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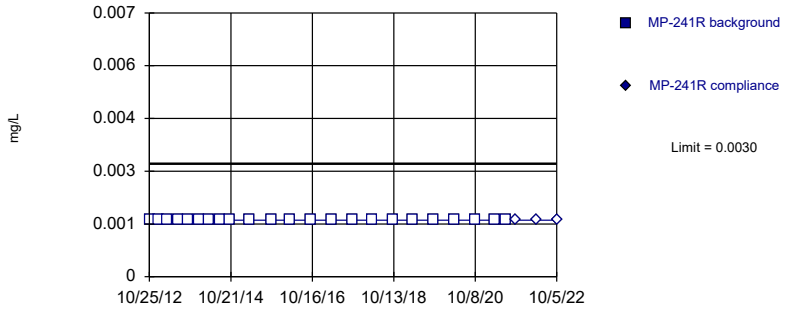

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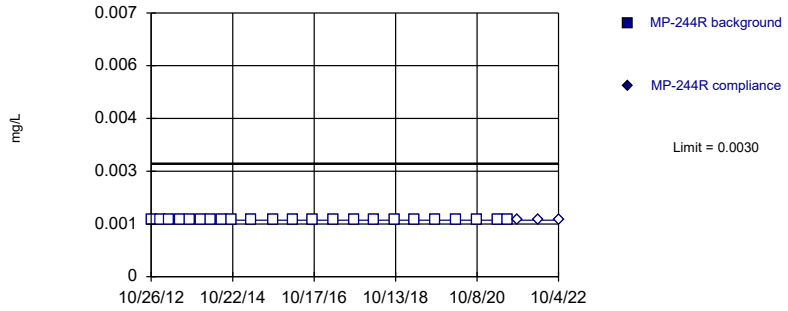

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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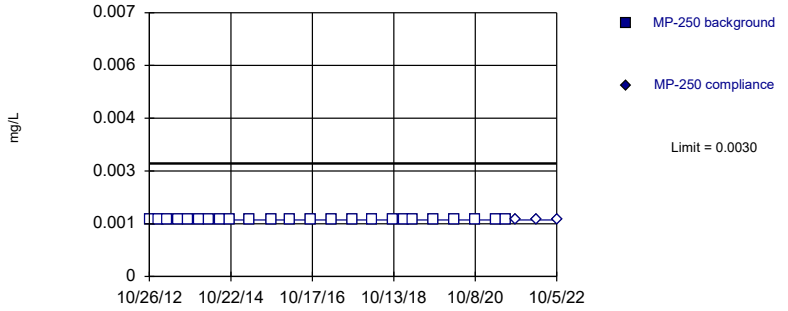
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



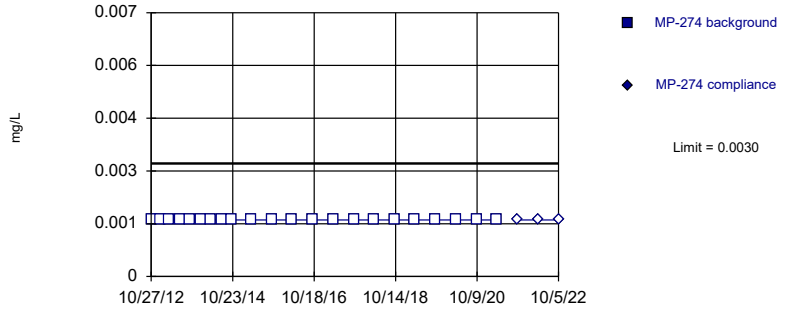
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Silver Dissolved Analysis Run 12/12/2022 11:35 AM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.36 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



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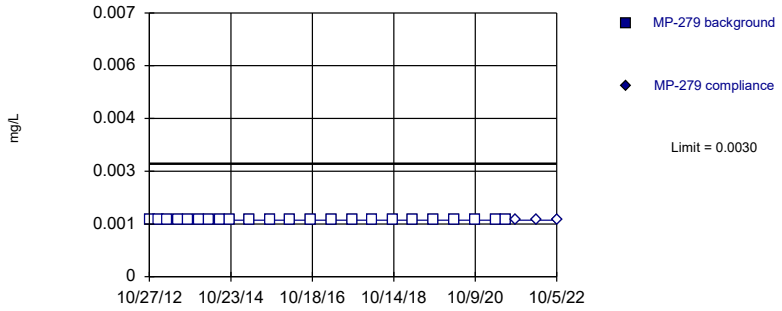
Within Limit

Prediction Limit

Intrawell Non-parametric



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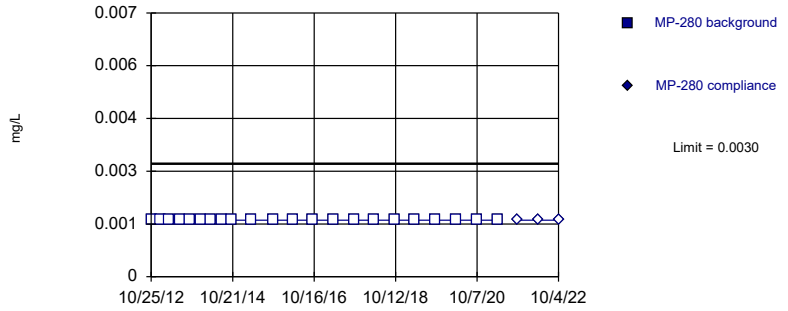

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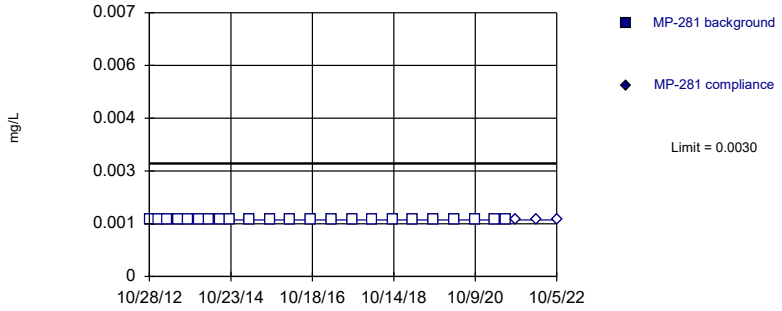

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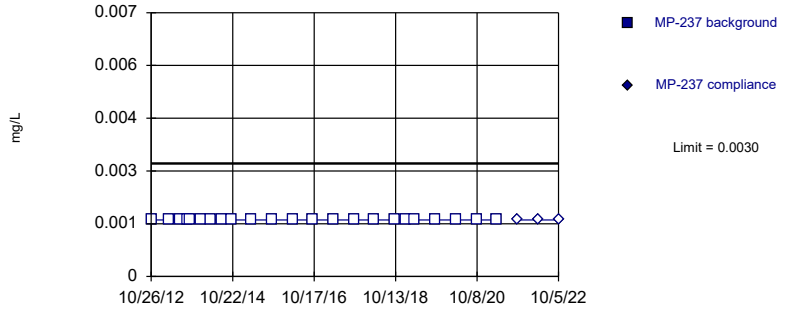

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Prediction Limit

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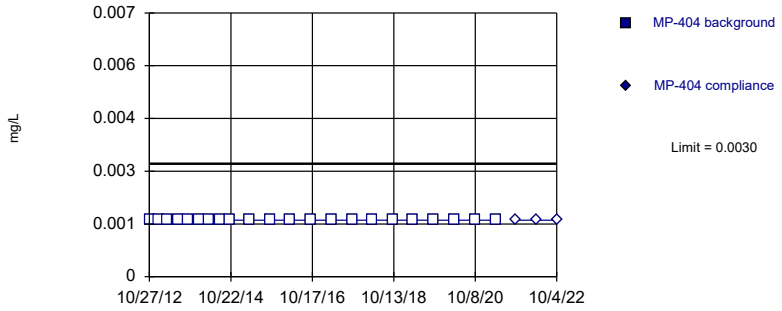

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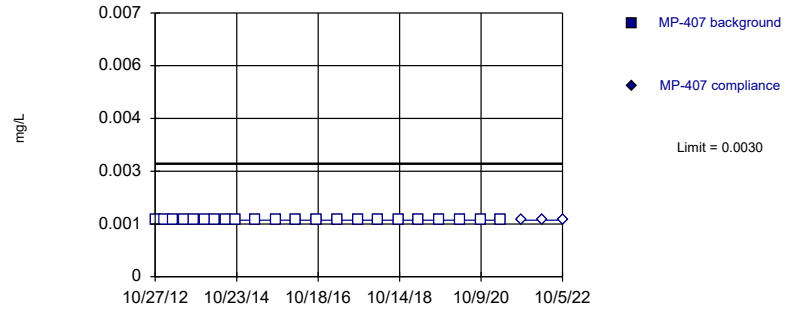

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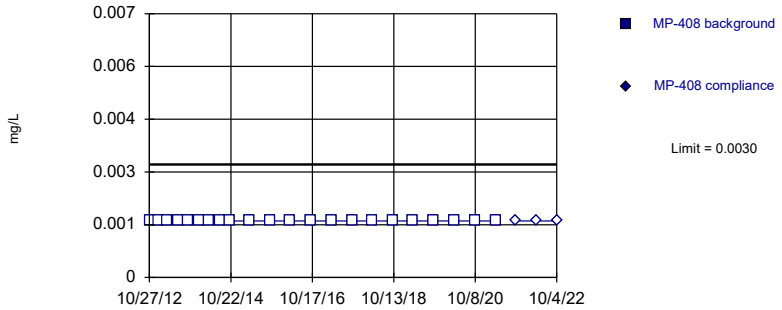

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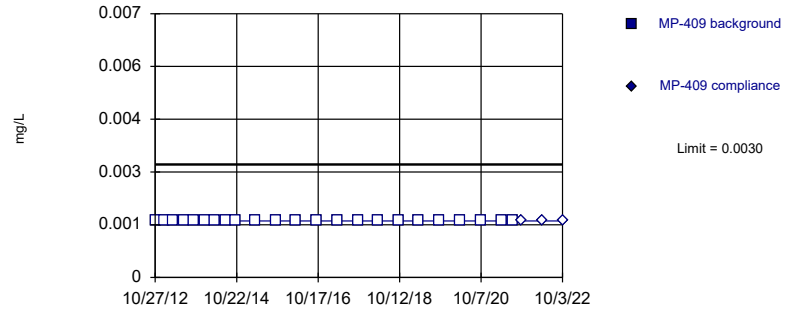

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 12/12/2022, 11:38 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Method
Arsenic Dissolved (mg/L)	MP-233R	0.011	10/5/2022	0.0019	No	28	0.005621	0.00247	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-234R	0.014	10/5/2022	0.0005ND	No	31	0.0058	0.003478	19.35	Kapla...	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-235R	0.0044	10/5/2022	0.0005ND	No	27	0.00000...	0.0000...	25.93	Kapla...	x^2	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-238R	0.0010	10/5/2022	0.0005ND	No	27	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Arsenic Dissolved (mg/L)	MP-241R	0.0031	10/5/2022	0.0013	No	27	0.001781	0.0005519	3.704	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-244R	0.0056	10/4/2022	0.0005ND	No	27	0.04318	0.01348	29.63	Kapla...	sqrt(x)	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-250	0.0036	10/5/2022	0.0023	No	28	0.001714	0.0007915	10.71	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-274	0.0032	10/5/2022	0.0005ND	No	26	0.00000...	0.0000...	23.08	Kapla...	x^2	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-279	0.045	10/5/2022	0.0005ND	No	41	0.01974	0.01143	14.63	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-280	0.032	10/4/2022	0.025	No	51	0.02623	0.002839	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-281	0.0033	10/5/2022	0.0005ND	No	27	0.00000...	0.0000...	25.93	Kapla...	x^2	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-237	0.0017	10/5/2022	0.0005ND	No	23	0.00000...	6.7e-7	34.78	Kapla...	x^2	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-404	0.0057	10/4/2022	0.0014	No	22	0.002886	0.001153	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-407	0.0068	10/5/2022	0.0005ND	No	22	0.00001346	0.0000...	27.27	Kapla...	x^2	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-408	0.098	10/4/2022	0.076	No	9	0.08178	0.004994	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-409	0.0032	10/3/2022	0.0016	No	23	0.002196	0.0004106	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-233R	0.51	10/5/2022	0.43	No	22	0.4491	0.02408	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-234R	0.057	10/5/2022	0.05	No	25	0.04388	0.005372	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-235R	0.049	10/5/2022	0.041	No	23	0.04213	0.002702	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-238R	0.05	10/5/2022	0.044	No	24	0.04396	0.002422	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-241R	0.064	10/5/2022	0.034	No	11	0.04718	0.005546	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-244R	0.026	10/4/2022	0.018	No	23	0.02048	0.002233	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-250	0.056	10/5/2022	0.042	No	24	0.04746	0.003476	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-274	0.45	10/5/2022	0.43	No	22	0.3995	0.02104	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-279	1.3	10/5/2022	1.3	No	11	1.063	0.09221	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-280	0.36	10/4/2022	0.3	No	22	0.3195	0.01731	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-281	0.3	10/5/2022	0.26	No	23	0.2683	0.01302	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-237	0.044	10/5/2022	0.033	No	13	0.03215	0.004356	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-404	0.43	10/4/2022	0.4	No	22	0.3691	0.02448	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-407	0.77	10/5/2022	0.71	No	22	0.6977	0.02776	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-408	0.77	10/4/2022	0.76	No	22	0.6614	0.04528	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-409	0.15	10/3/2022	0.12	No	8	0.1238	0.00744	0	None	No	Param Intra 1 of 2
Cadmium Dissolved (mg/L)	MP-233R	0.0010	10/5/2022	0.0005ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-234R	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-235R	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-238R	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-241R	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-244R	0.0010	10/4/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-250	0.0010	10/5/2022	0.0005ND	No	24	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-274	0.0010	10/5/2022	0.0005ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-279	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-280	0.0010	10/4/2022	0.0005ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-281	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-237	0.0010	10/5/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-404	0.0010	10/4/2022	0.0005ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-407	0.0010	10/5/2022	0.0005ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-408	0.0010	10/4/2022	0.0005ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-409	0.0010	10/3/2022	0.0005ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-233R	0.0096	10/5/2022	0.0025ND	No	51	n/a	n/a	96.08	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-234R	0.0057	10/5/2022	0.0025ND	No	51	n/a	n/a	98.04	n/a	n/a	NP Intra (NDs) 1 of 2

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 12/12/2022, 11:38 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Method
Chromium Dissolved (mg/L)	MP-235R	0.0075	10/5/2022	0.0025ND	No	53	n/a	n/a	96.23	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-238R	0.0050	10/5/2022	0.0025ND	No	52	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-241R	0.0050	11/10/2022	0.0025ND	No	52	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-244R	0.0071	10/4/2022	0.0025ND	No	52	n/a	n/a	98.08	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-250	0.0050	10/5/2022	0.0025ND	No	52	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-274	0.0078	10/5/2022	0.0025ND	No	52	n/a	n/a	96.15	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-279	0.0050	10/5/2022	0.0025ND	No	50	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-280	0.0084	10/4/2022	0.0025ND	No	52	n/a	n/a	96.15	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-281	0.0071	10/5/2022	0.0025ND	No	54	n/a	n/a	94.44	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-237	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-404	0.0050	10/4/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-407	0.0050	10/5/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-408	0.0050	10/4/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-409	0.0050	10/3/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-233R	0.0050	10/5/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-234R	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-235R	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-238R	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-241R	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-244R	0.0050	10/4/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-250	0.0050	10/5/2022	0.0025ND	No	24	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-274	0.0050	10/5/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-279	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-280	0.0050	10/4/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-281	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-237	0.0050	10/5/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-404	0.0050	10/4/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-407	0.0050	10/5/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-408	0.0050	10/4/2022	0.0025ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-409	0.0050	10/3/2022	0.0025ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-233R	0.00020	10/5/2022	0.0001ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-234R	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-235R	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-238R	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-241R	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-244R	0.00020	10/4/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-250	0.00020	10/5/2022	0.0001ND	No	24	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-274	0.00020	10/5/2022	0.0001ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-279	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-280	0.00020	10/4/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-281	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-237	0.00020	10/5/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-404	0.00020	10/4/2022	0.0001ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-407	0.00020	10/5/2022	0.0001ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-408	0.00020	10/4/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-409	0.00020	10/3/2022	0.0001ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-233R	0.015	10/5/2022	0.0075ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-234R	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-235R	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-238R	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 12/12/2022, 11:38 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Method
Selenium Dissolved (mg/L)	MP-241R	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-244R	0.015	10/4/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-250	0.015	10/5/2022	0.0075ND	No	24	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-274	0.015	10/5/2022	0.0075ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-279	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-280	0.015	10/4/2022	0.0075ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-281	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-237	0.015	10/5/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-404	0.015	10/4/2022	0.0075ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-407	0.015	10/5/2022	0.0075ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-408	0.015	10/4/2022	0.0075ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-409	0.015	10/3/2022	0.0075ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-233R	0.0030	10/5/2022	0.0015ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-234R	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-235R	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-238R	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-241R	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-244R	0.0030	10/4/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-250	0.0030	10/5/2022	0.0015ND	No	24	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-274	0.0030	10/5/2022	0.0015ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-279	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-280	0.0030	10/4/2022	0.0015ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-281	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-237	0.0030	10/5/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-404	0.0030	10/4/2022	0.0015ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-407	0.0030	10/5/2022	0.0015ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-408	0.0030	10/4/2022	0.0015ND	No	22	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-409	0.0030	10/3/2022	0.0015ND	No	23	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2

APPENDIX D.

TIME-SERIES PLOTS OF METALS RESULTS
UPPER SAND WELLS

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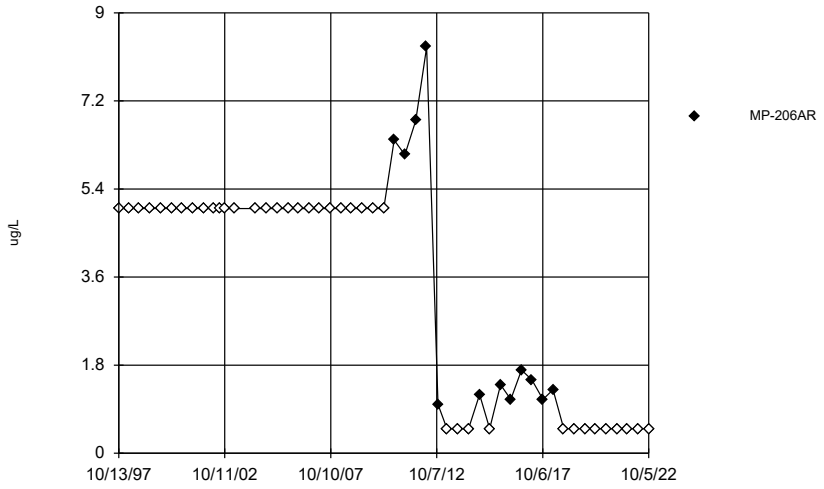
Hollow symbols indicate censored values.

Time Series



Constituent: Arsenic Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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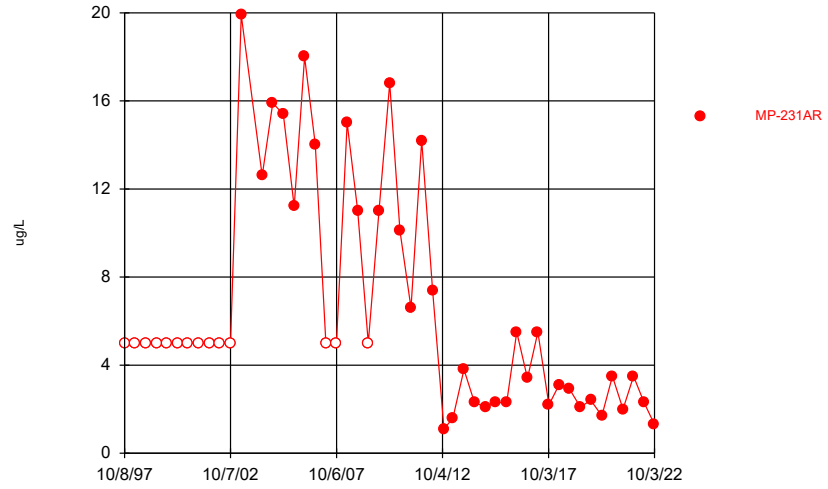
Hollow symbols indicate censored values.

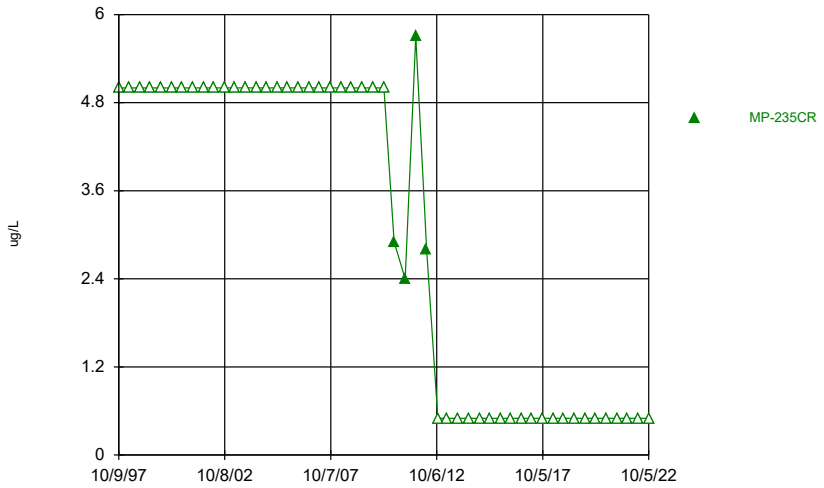
Time Series



Constituent: Arsenic Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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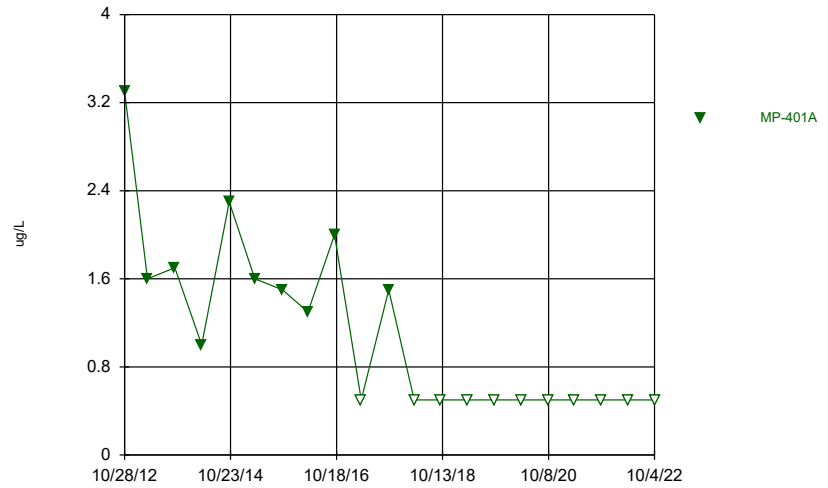
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Arsenic Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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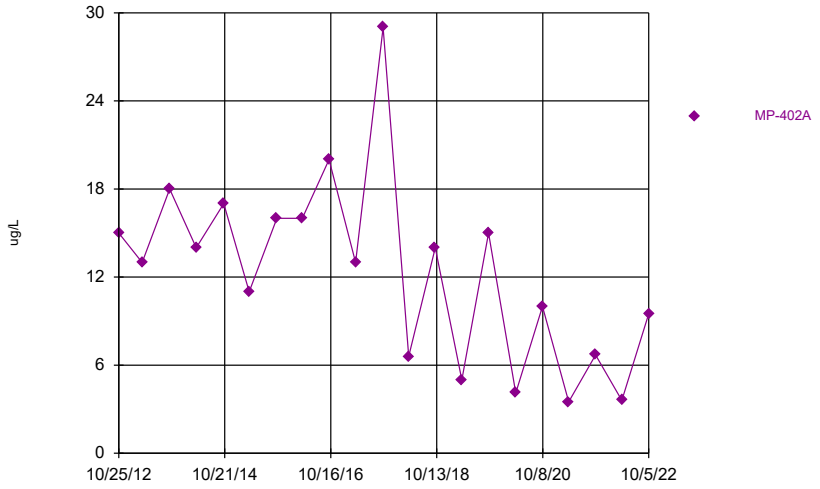
Time Series

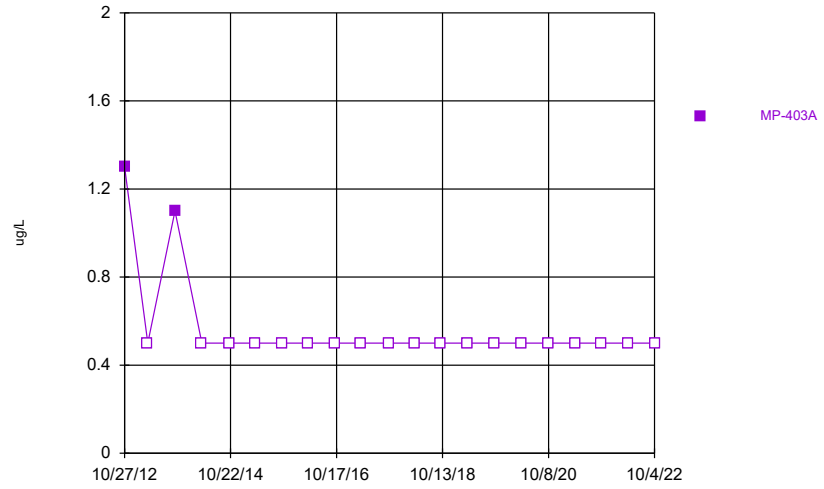


Constituent: Arsenic Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Arsenic Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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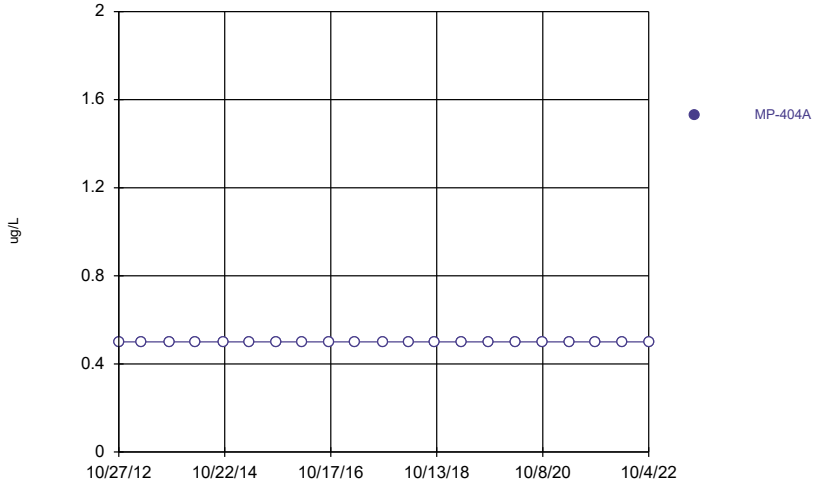
Hollow symbols indicate censored values.

Time Series



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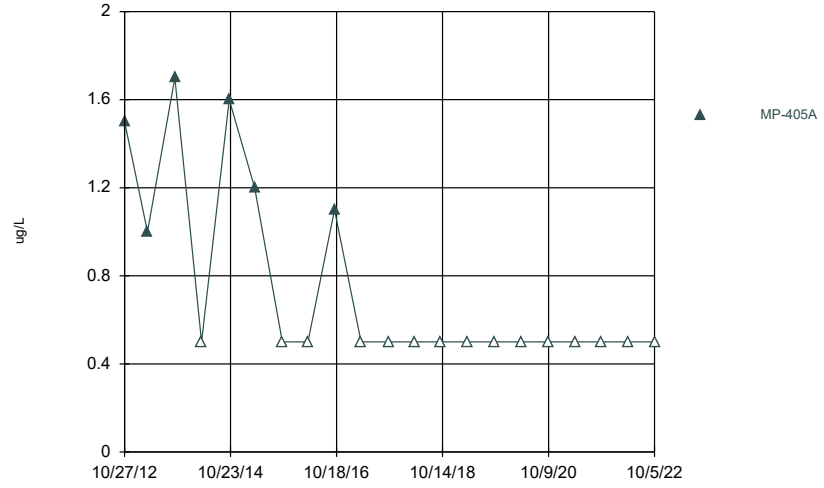
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series

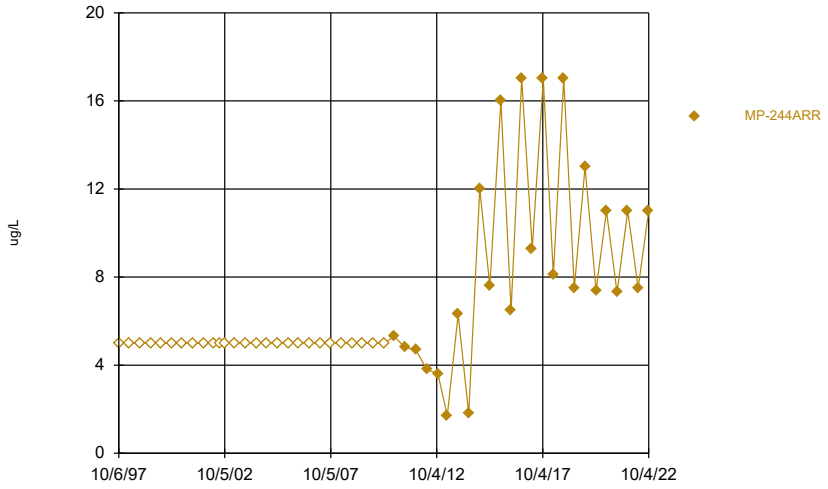


Constituent: Arsenic Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Arsenic Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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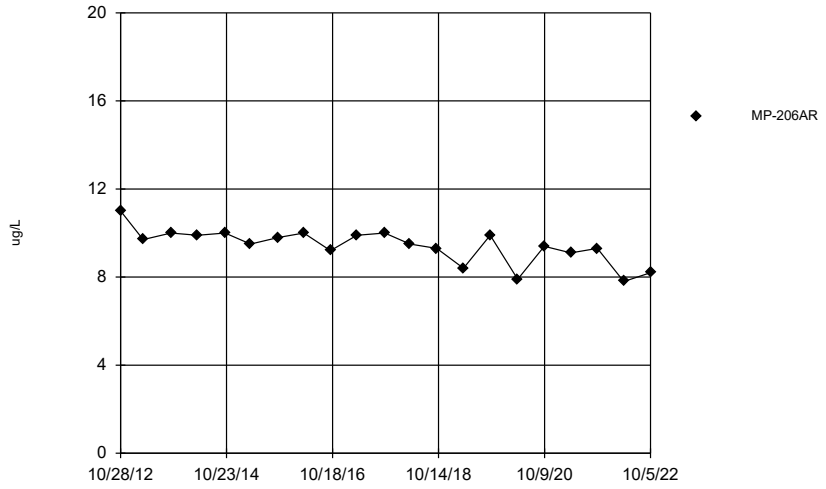
Time Series



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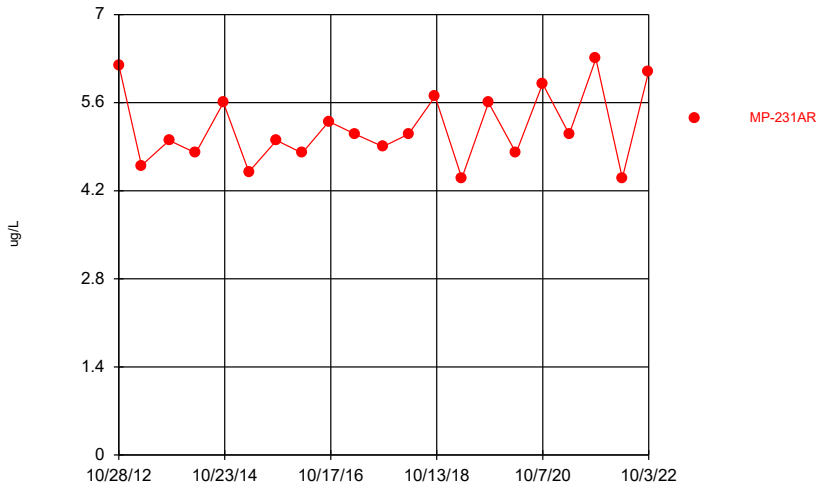
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

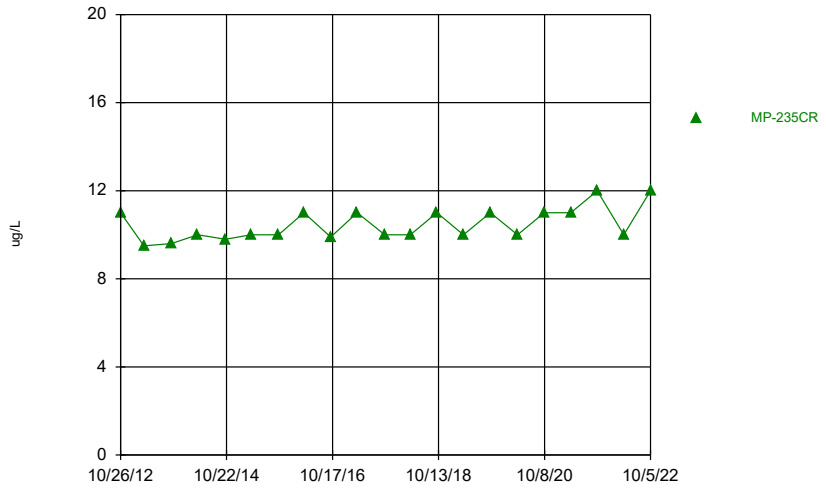
Time Series



Constituent: Barium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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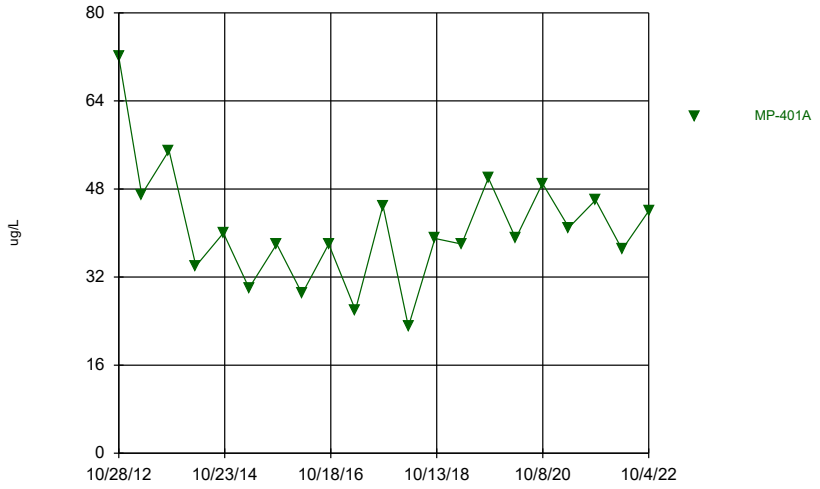
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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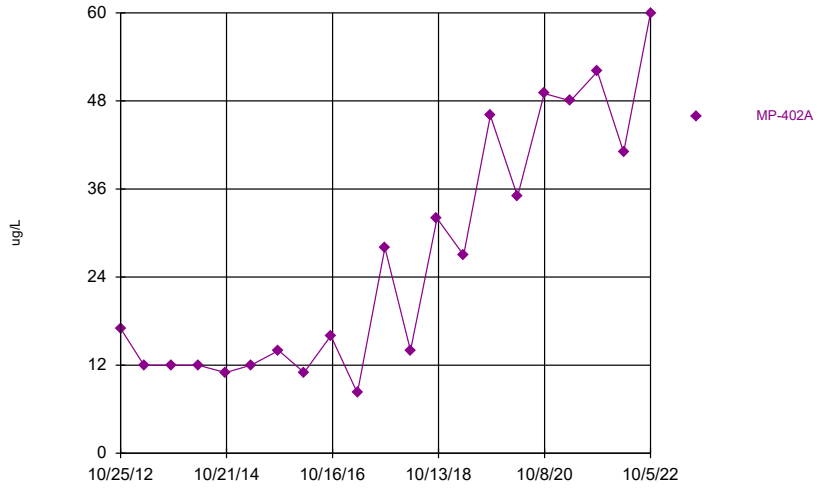
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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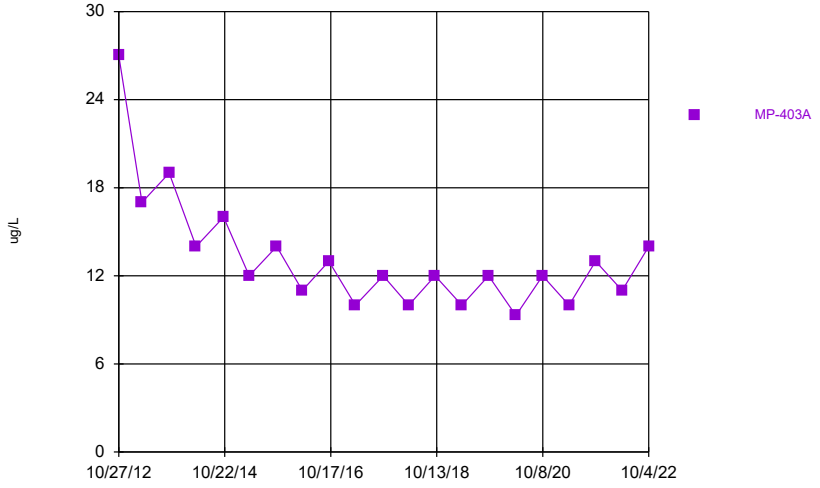
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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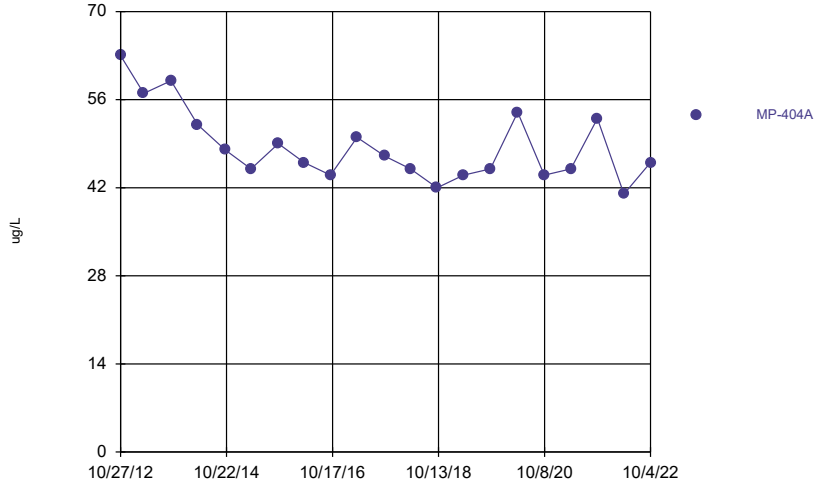
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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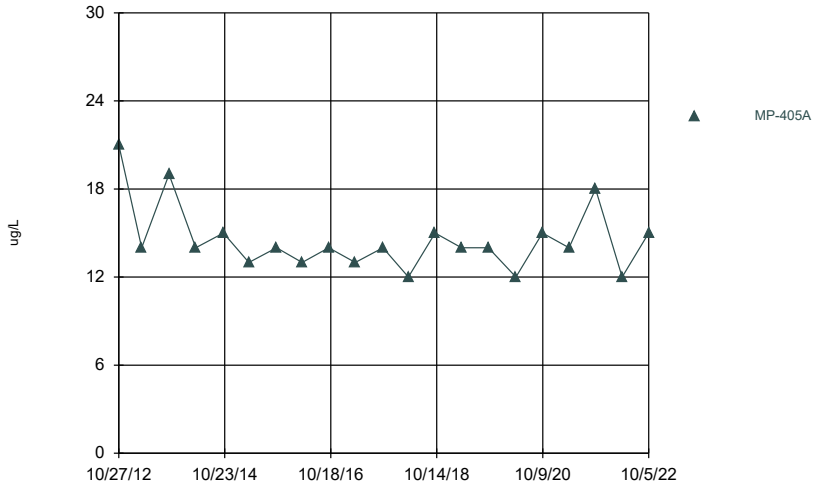
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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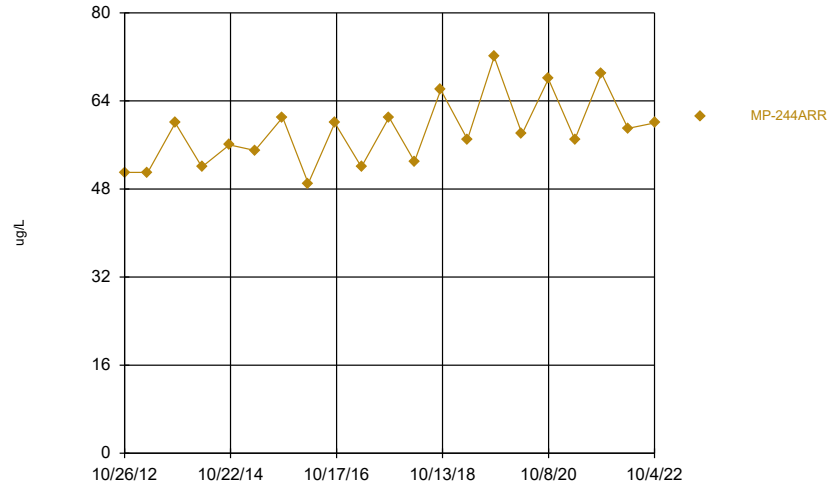
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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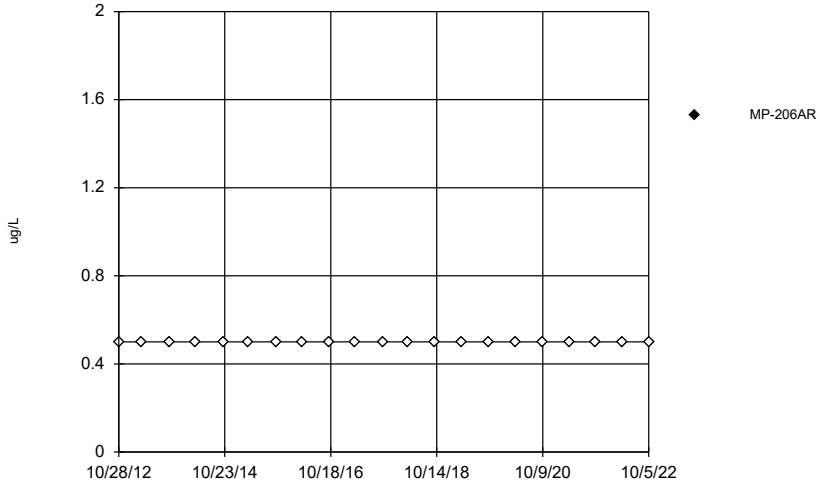
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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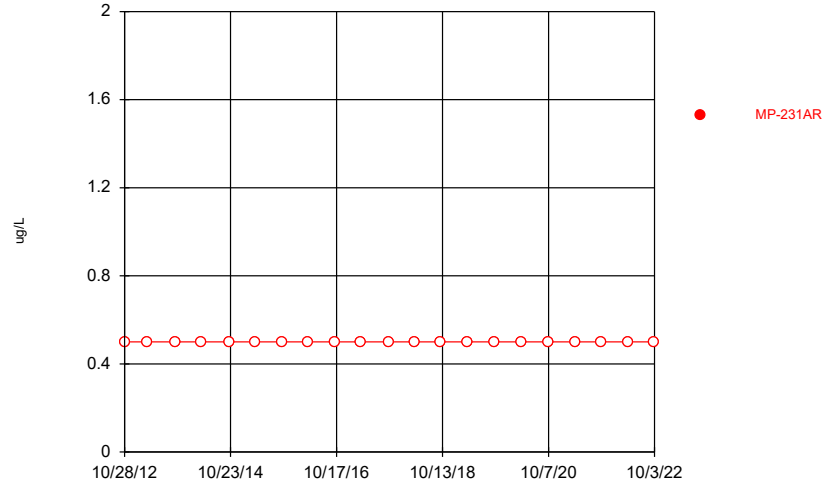
Time Series



Constituent: Cadmium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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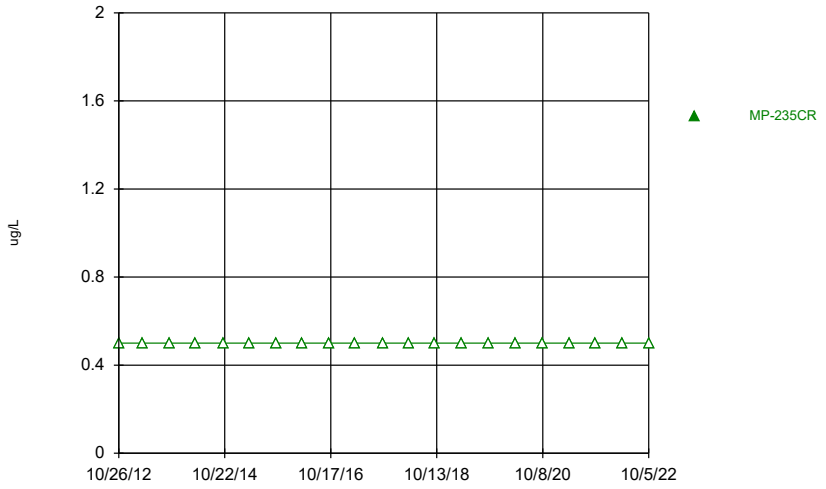
Time Series



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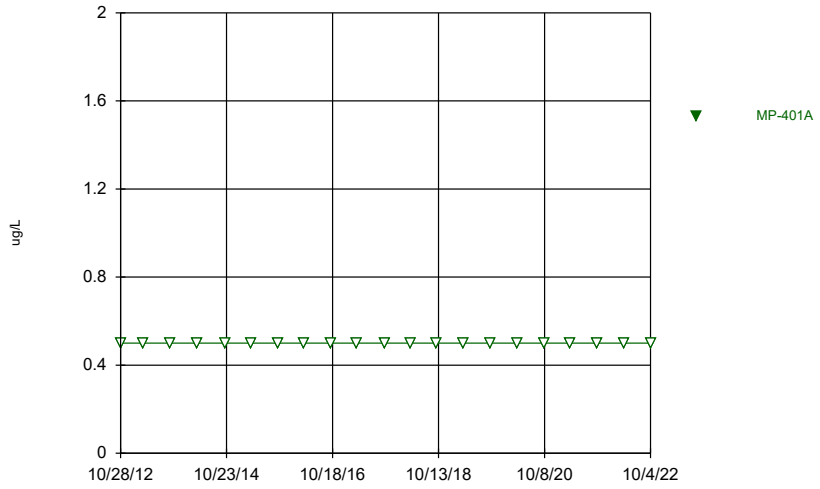
Time Series



Constituent: Cadmium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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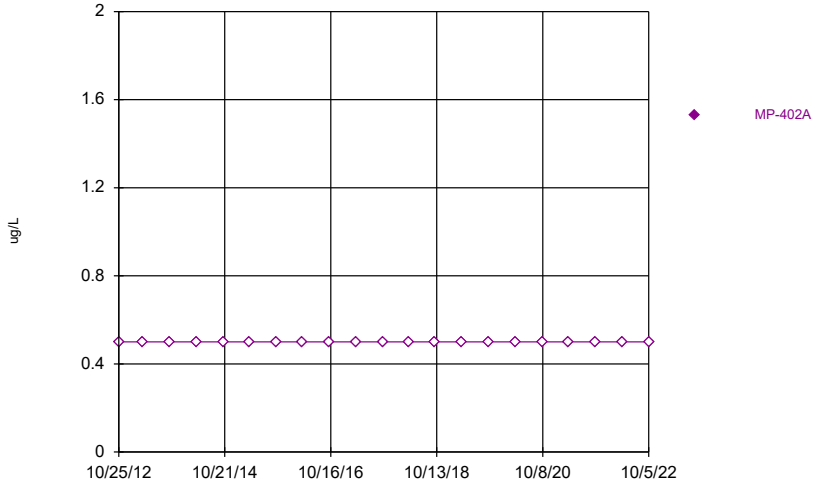
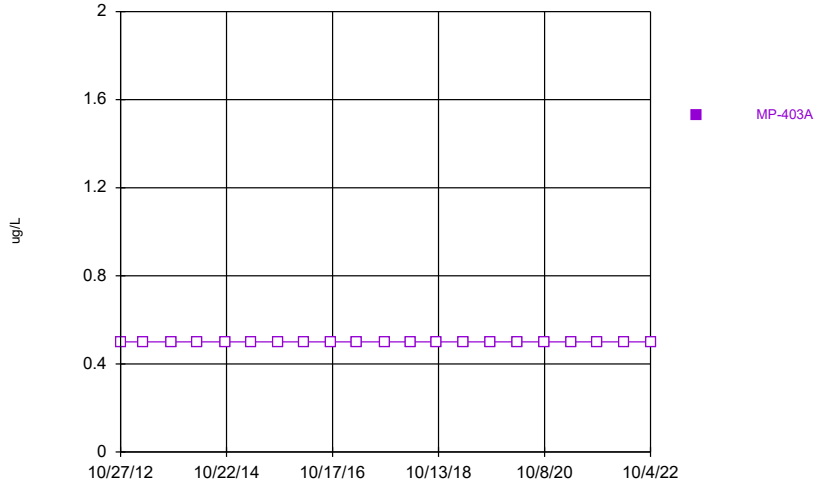


Constituent: Cadmium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

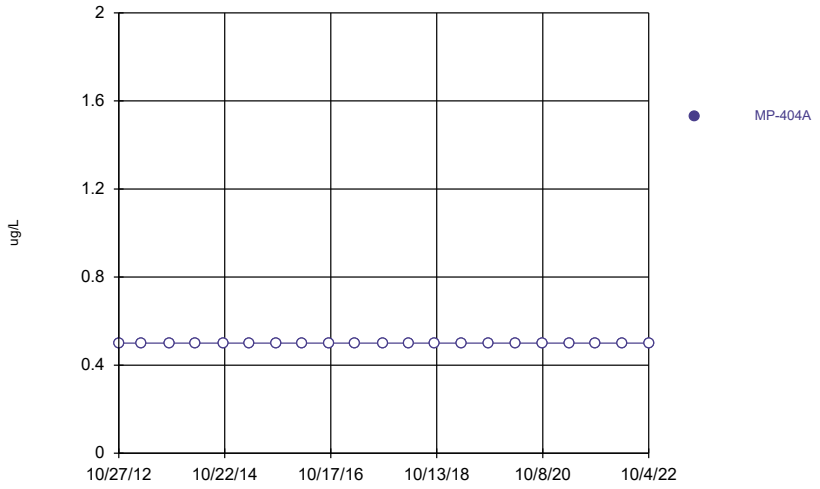
Time Series



Constituent: Cadmium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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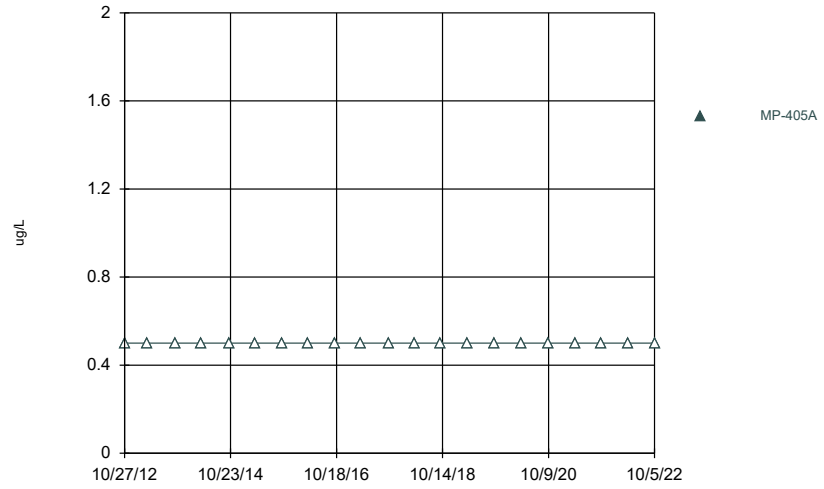
Time Series



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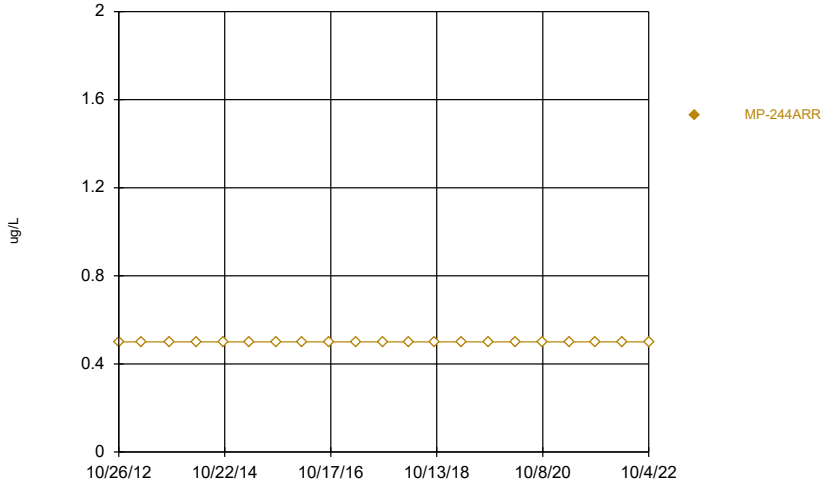

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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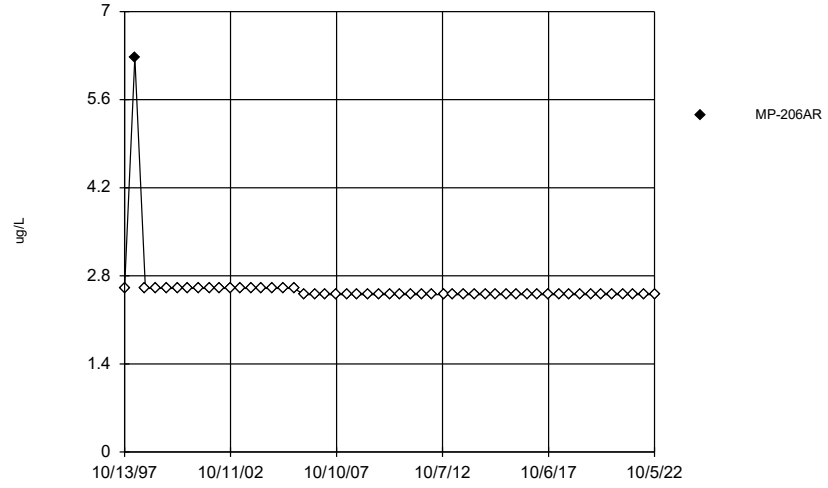

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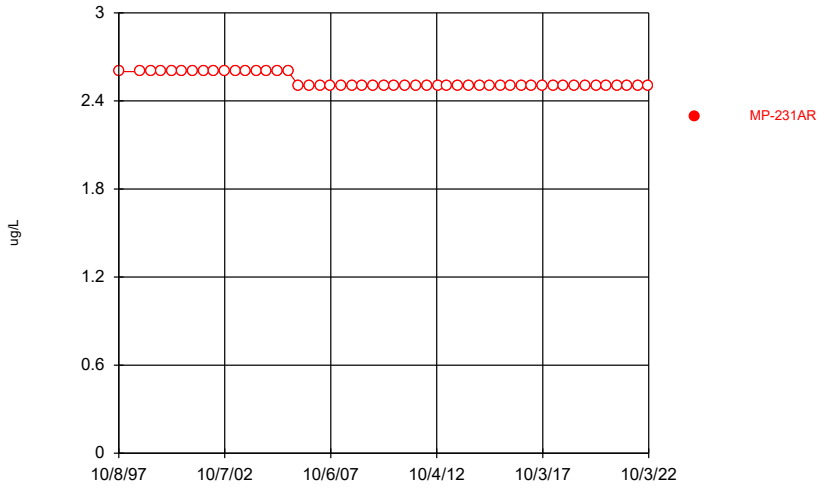

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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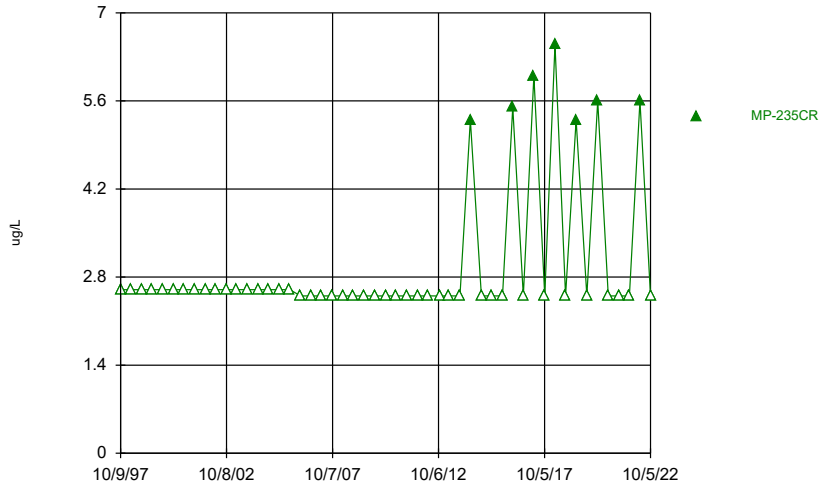
Time Series



Constituent: Chromium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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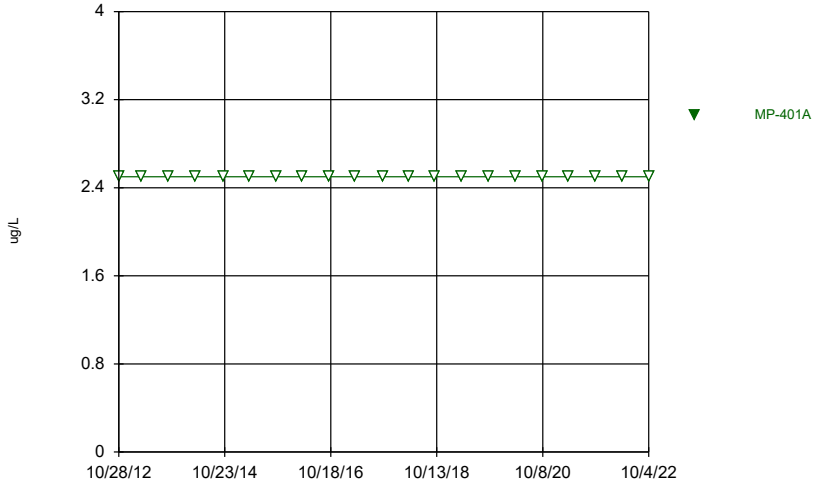
Time Series



Constituent: Chromium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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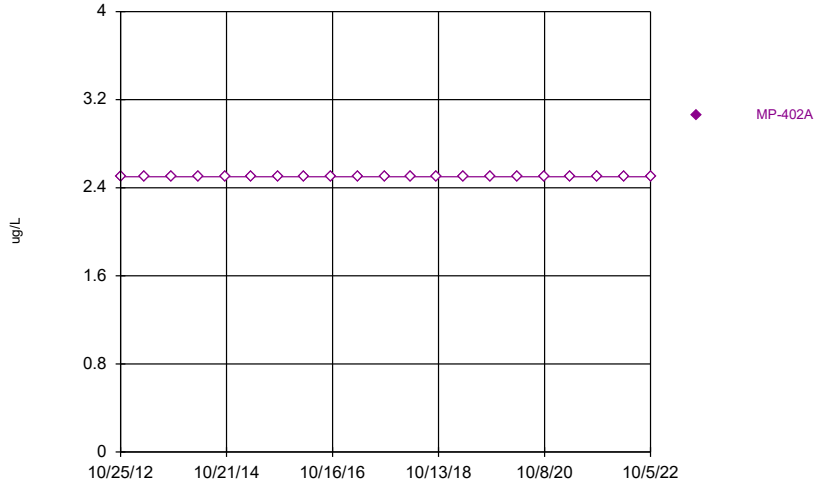

Constituent: Chromium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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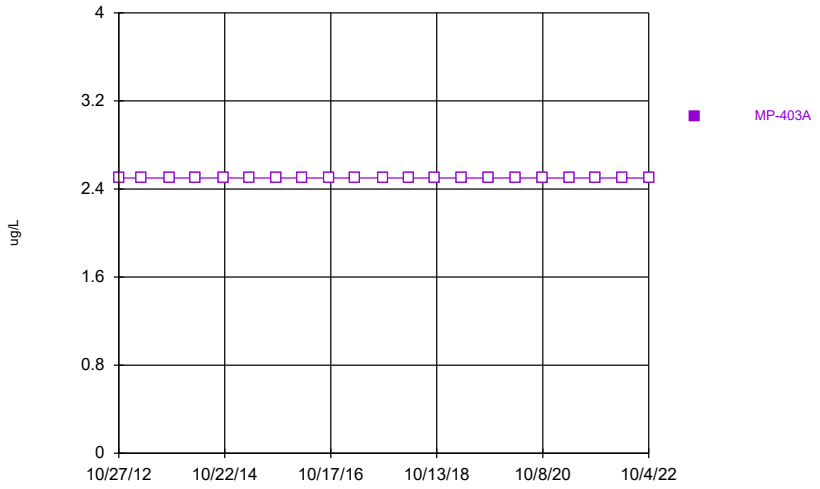

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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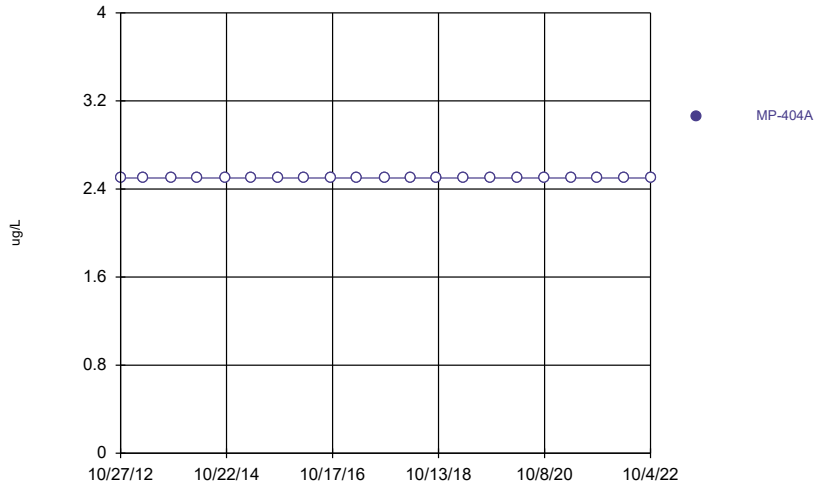

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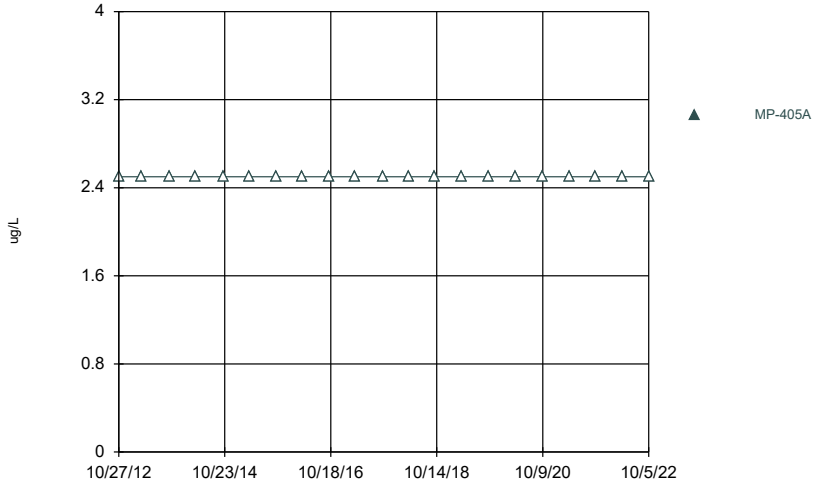

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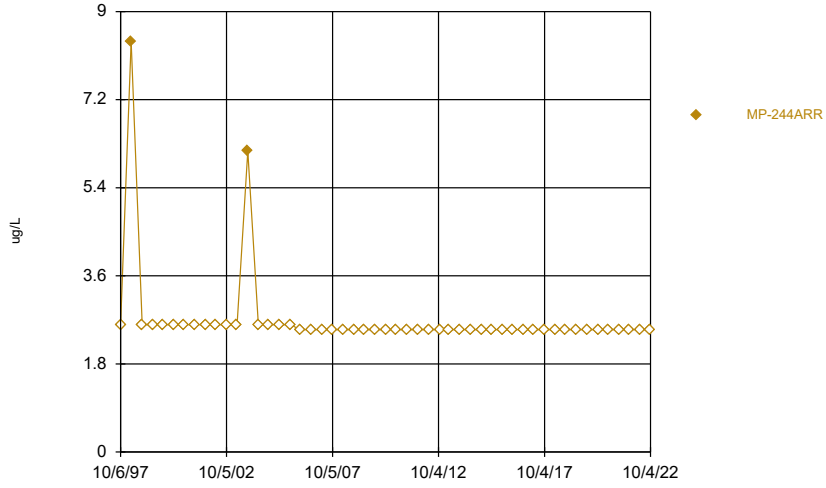

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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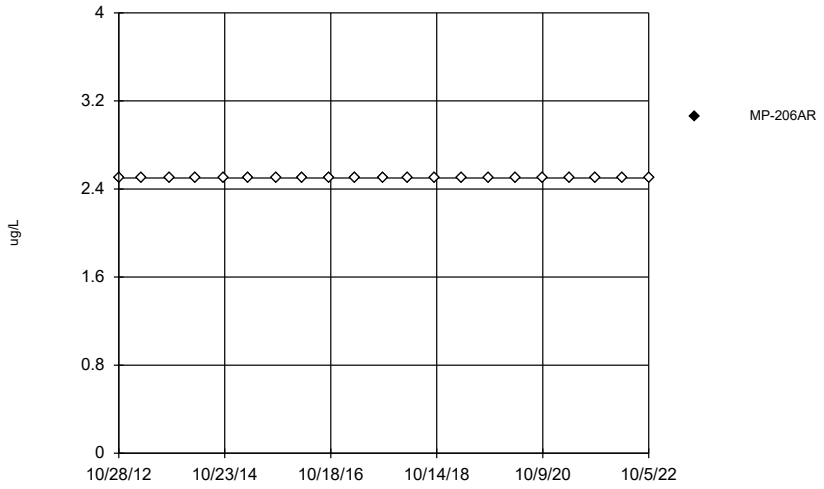

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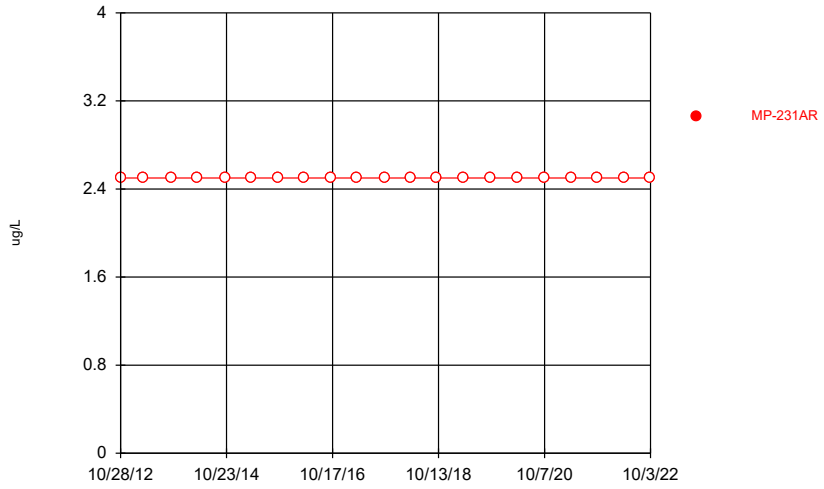
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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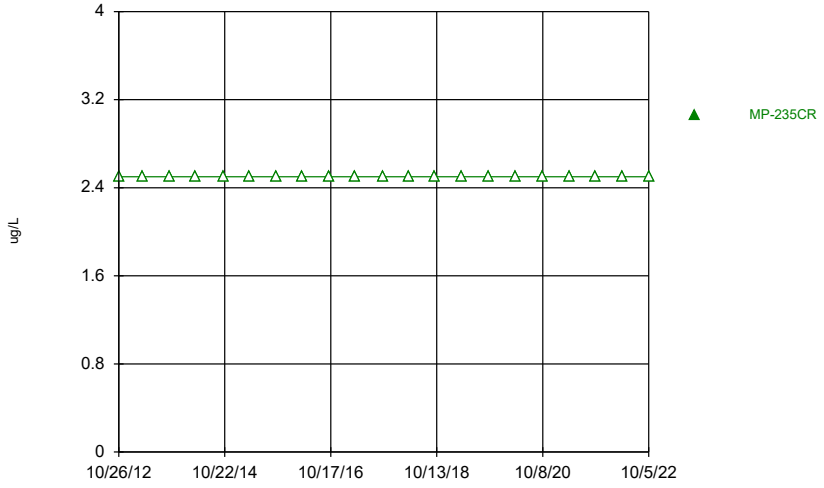

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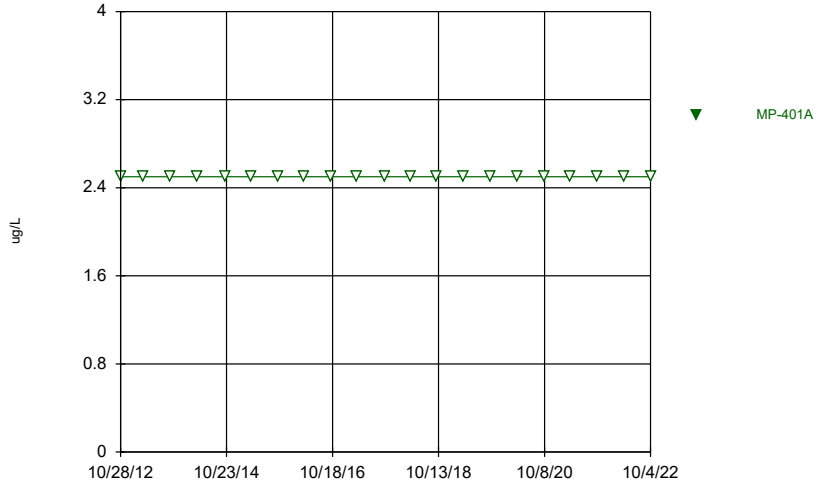

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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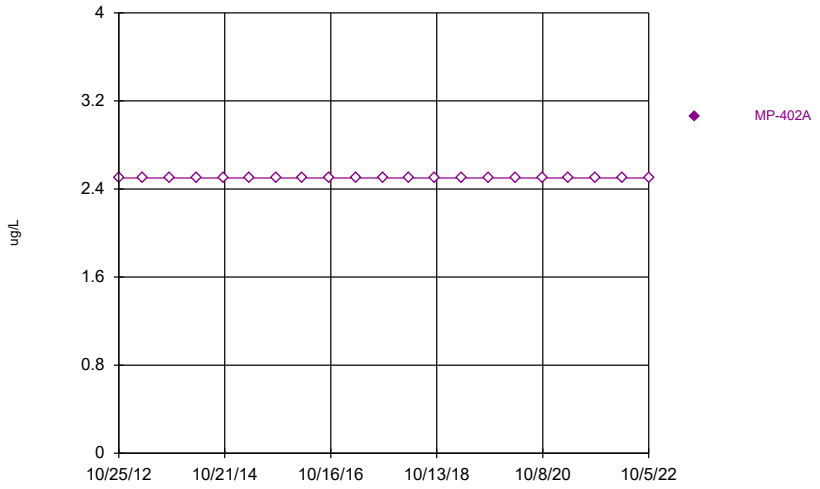

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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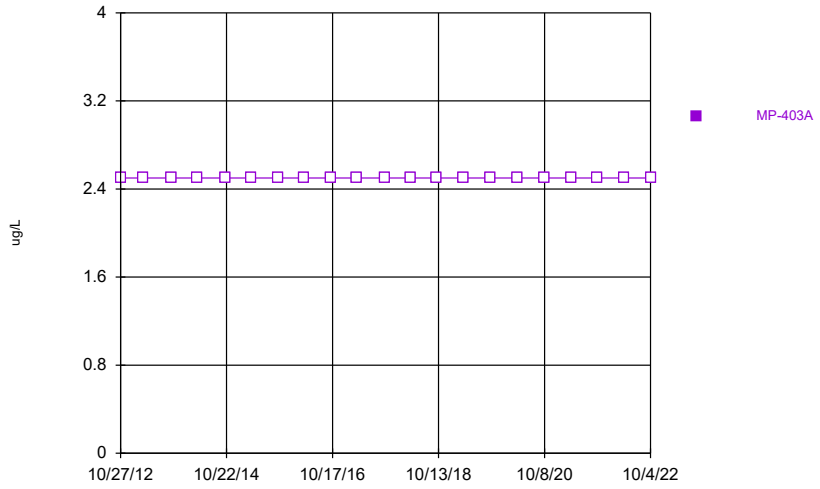
Time Series



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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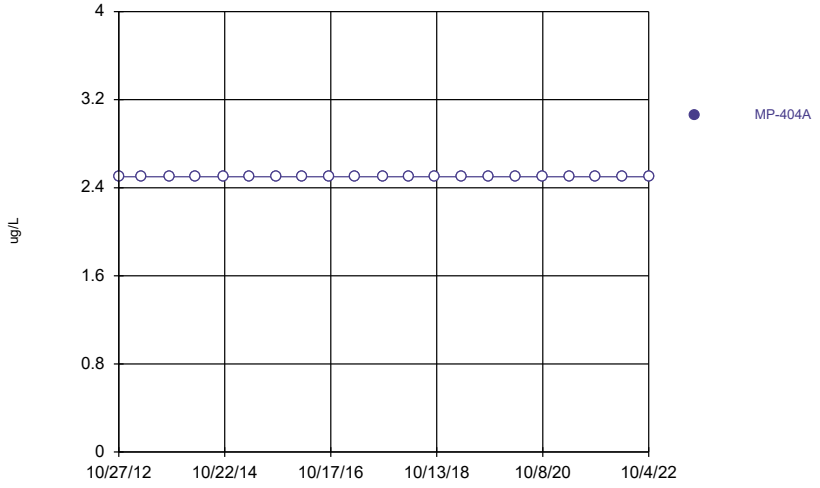

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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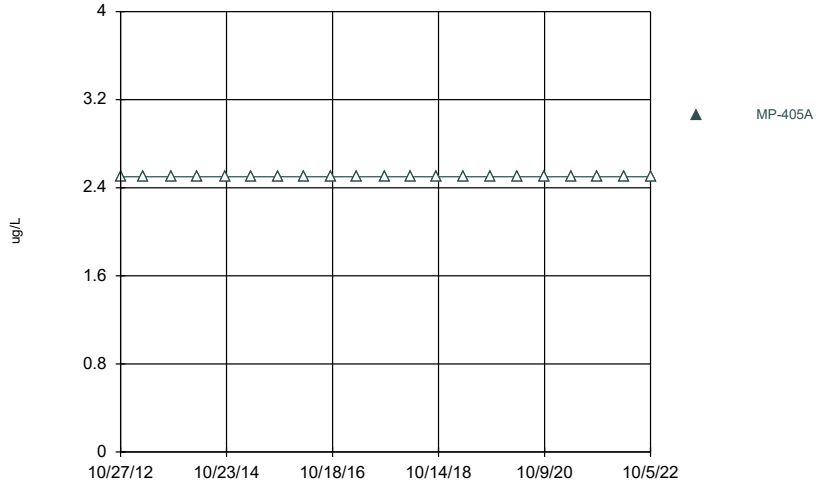

Constituent: Lead Dissolved Analysis Run 10/31/2022 3:57 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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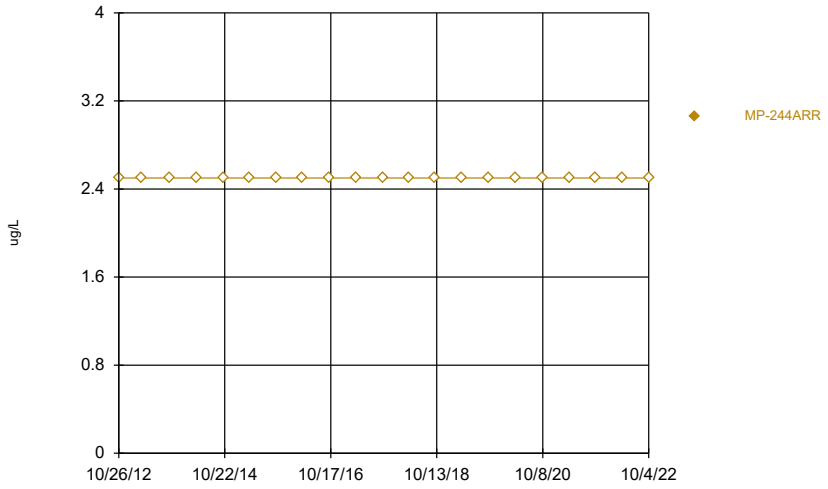
Time Series



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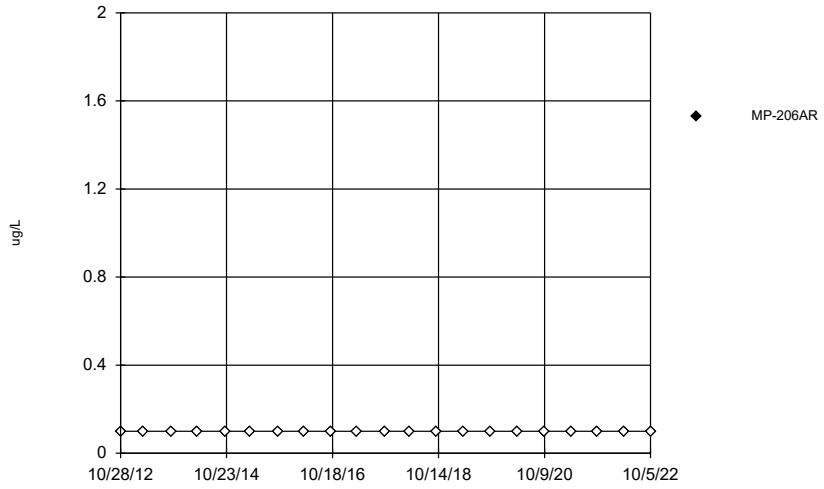
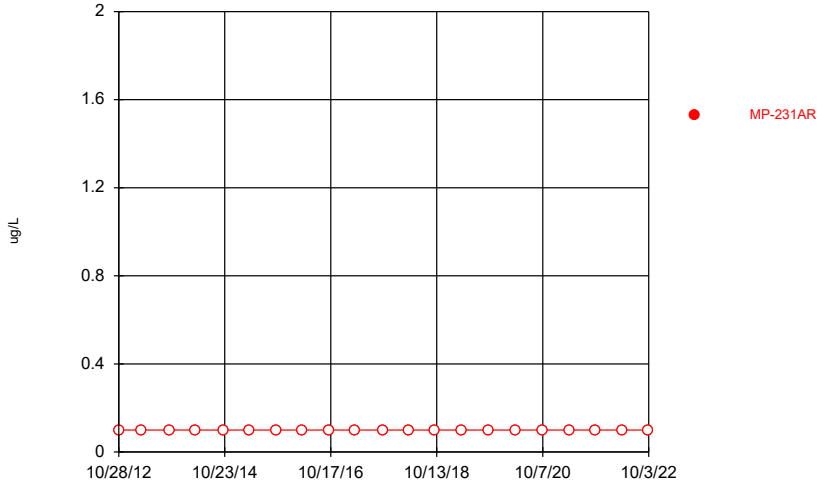


Constituent: Mercury Dissolved Analysis Run 10/31/2022 3:57 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

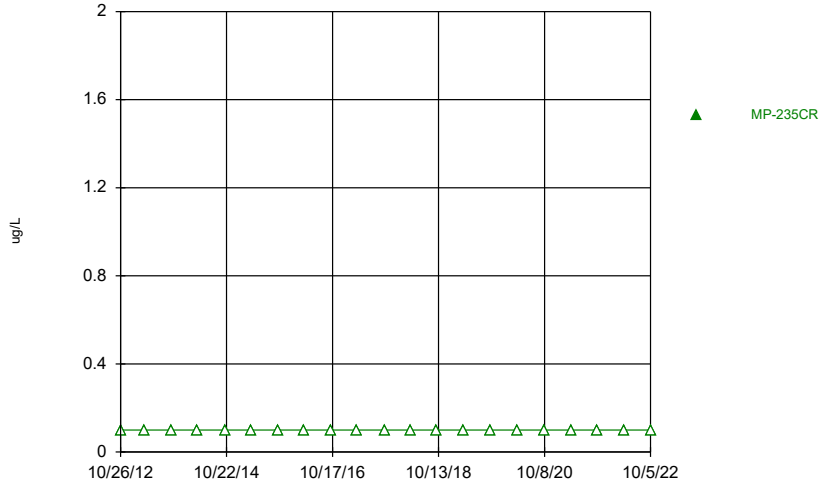
Time Series



Constituent: Mercury Dissolved Analysis Run 10/31/2022 3:57 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

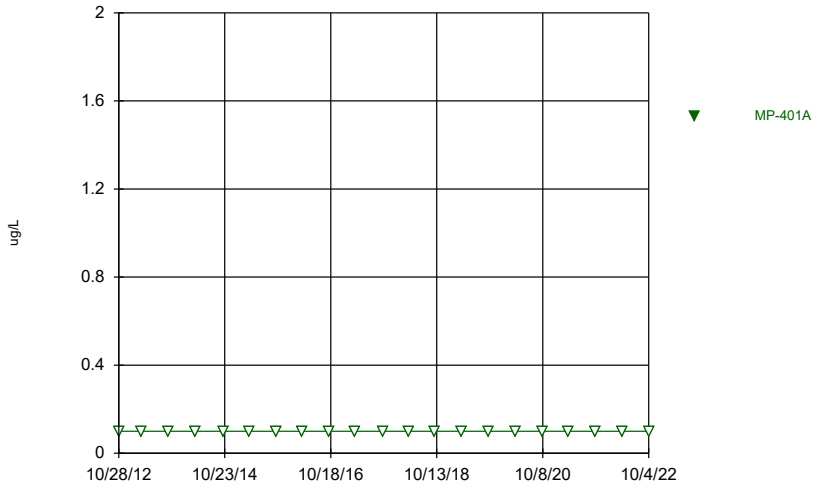
Time Series



Constituent: Mercury Dissolved Analysis Run 10/31/2022 3:57 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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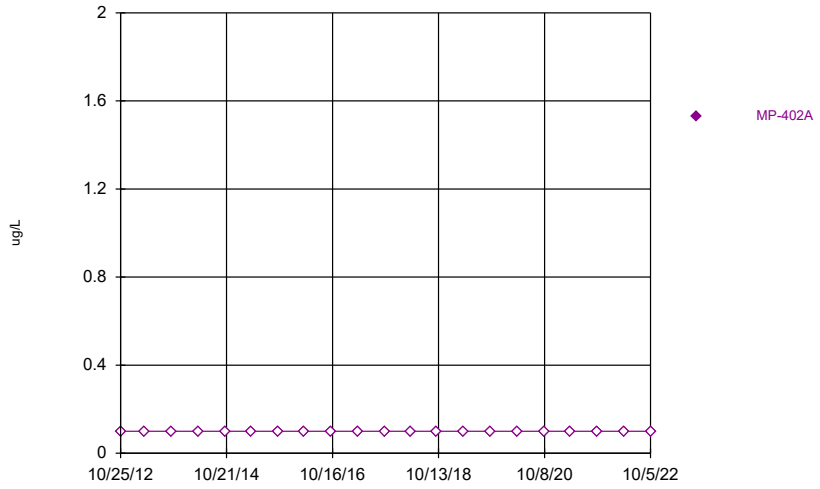

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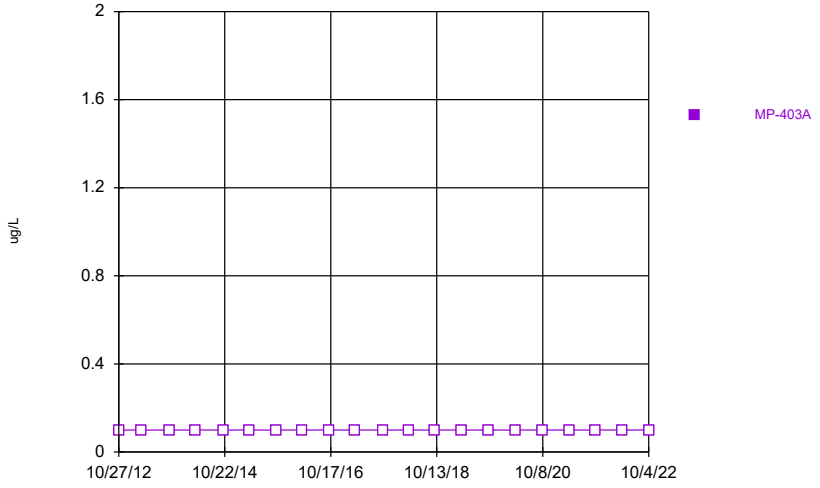

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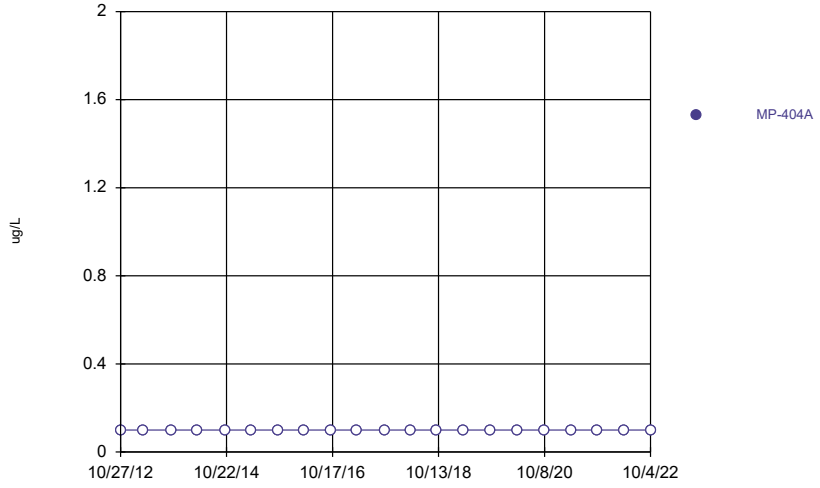

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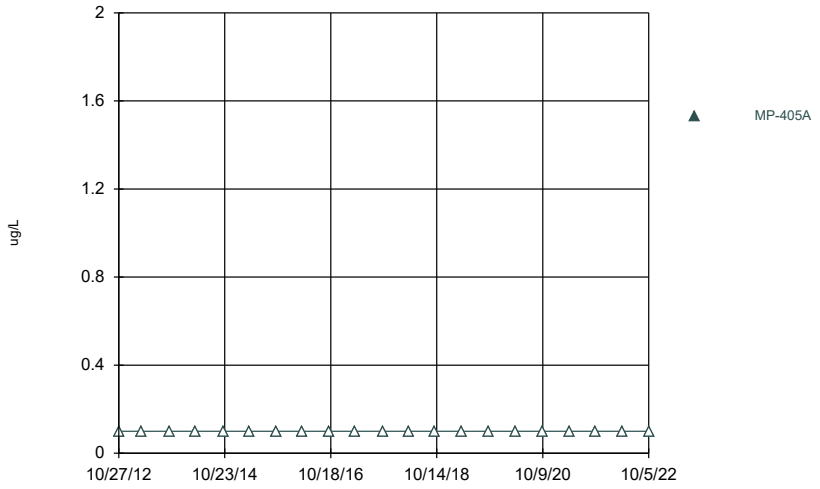

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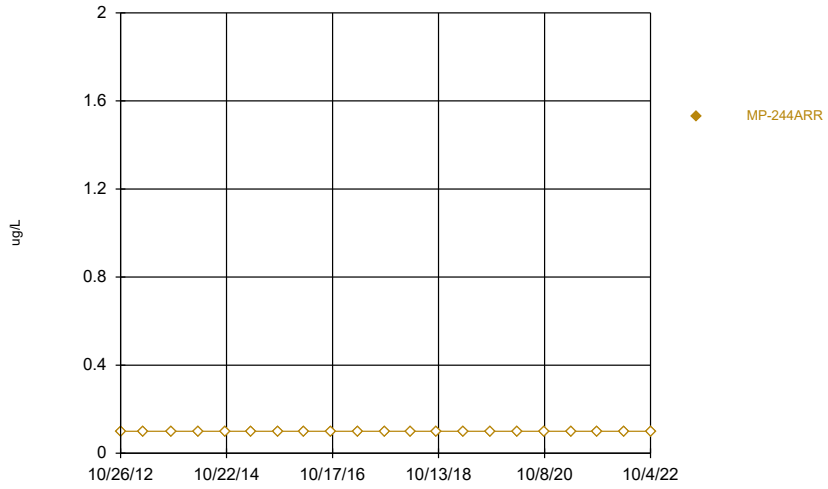

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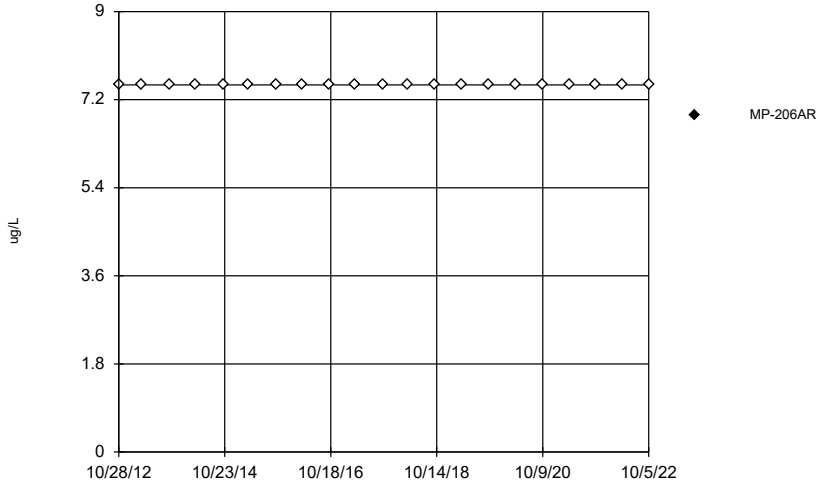

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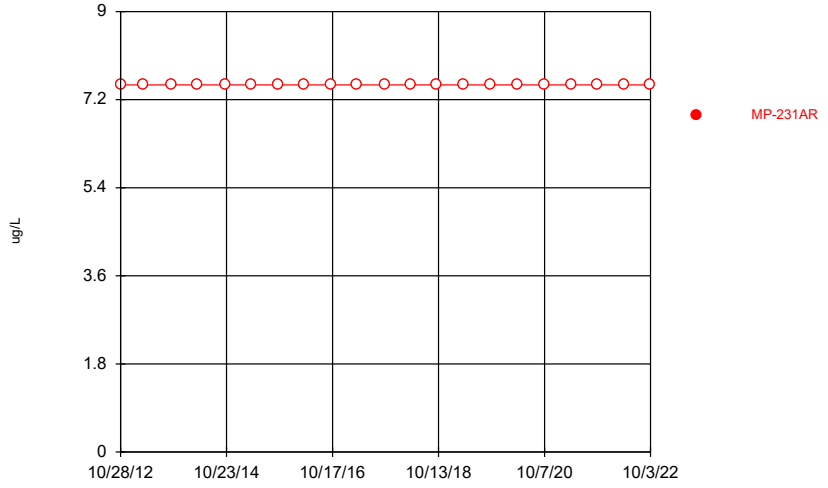

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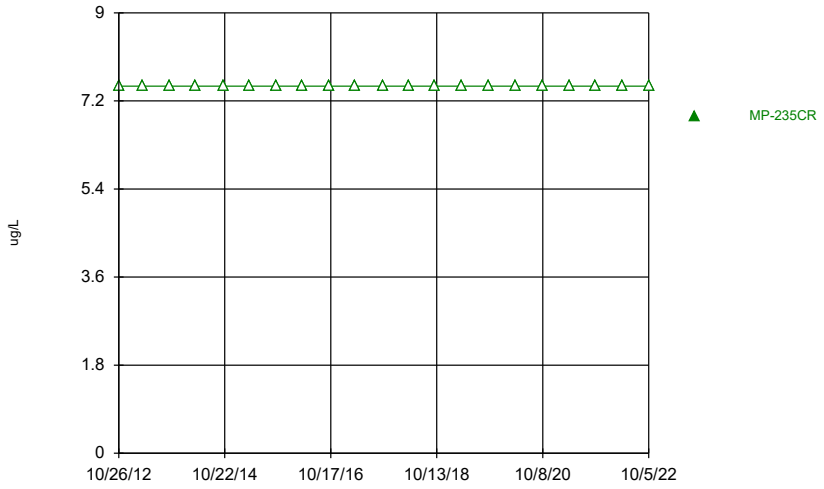

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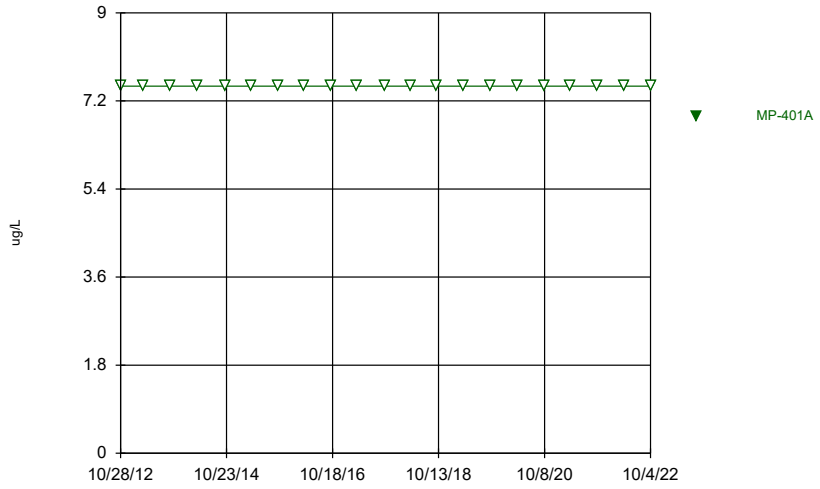

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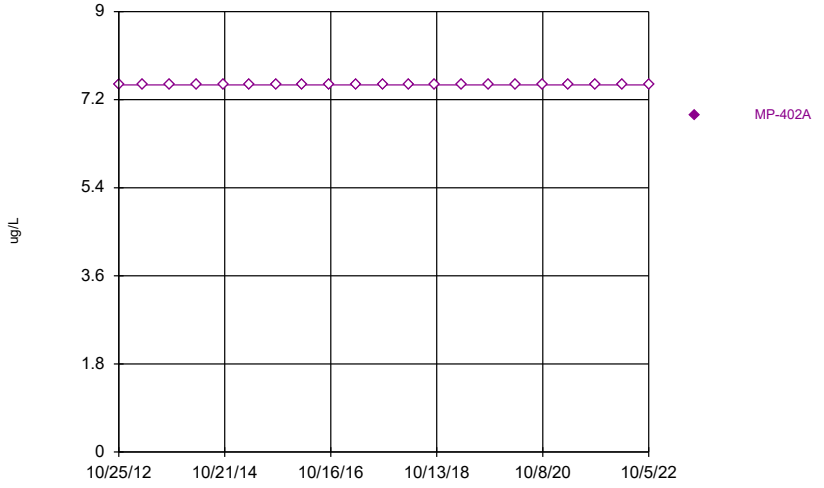

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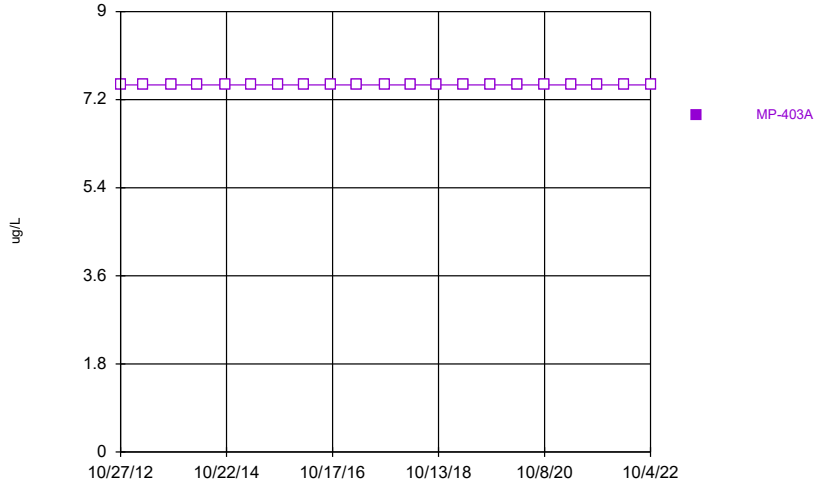

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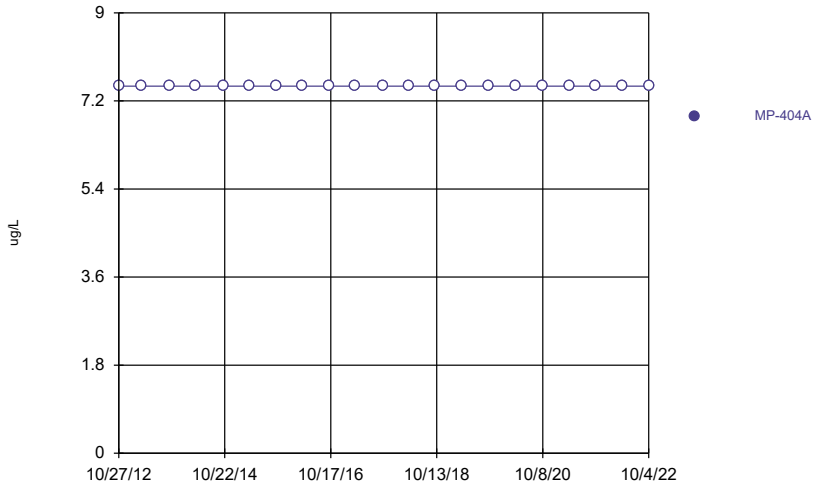

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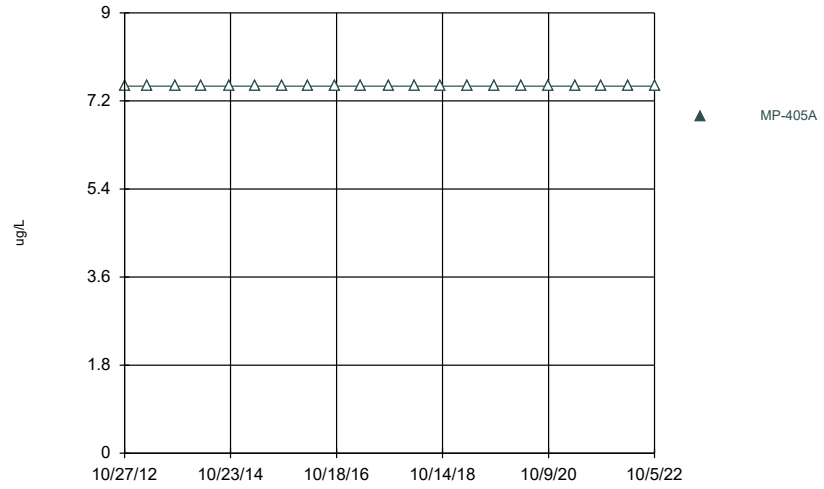

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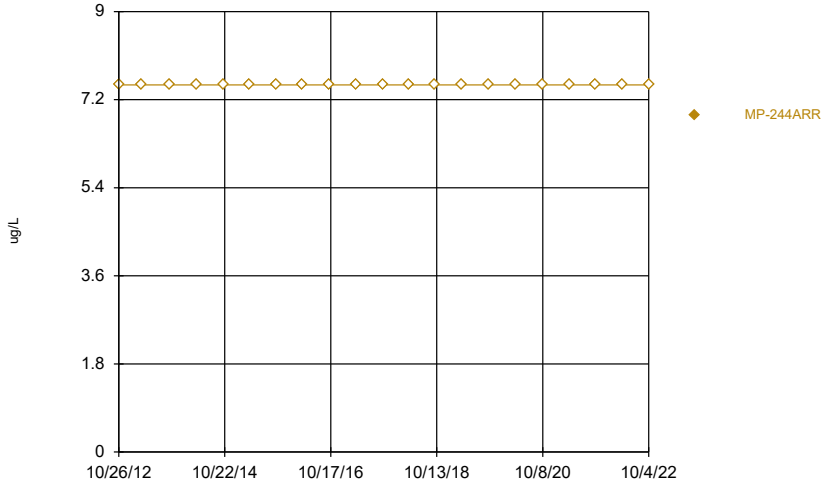

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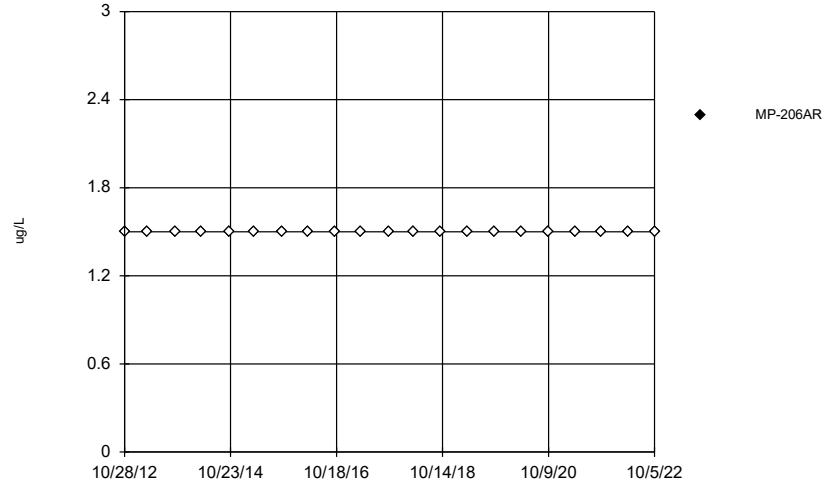

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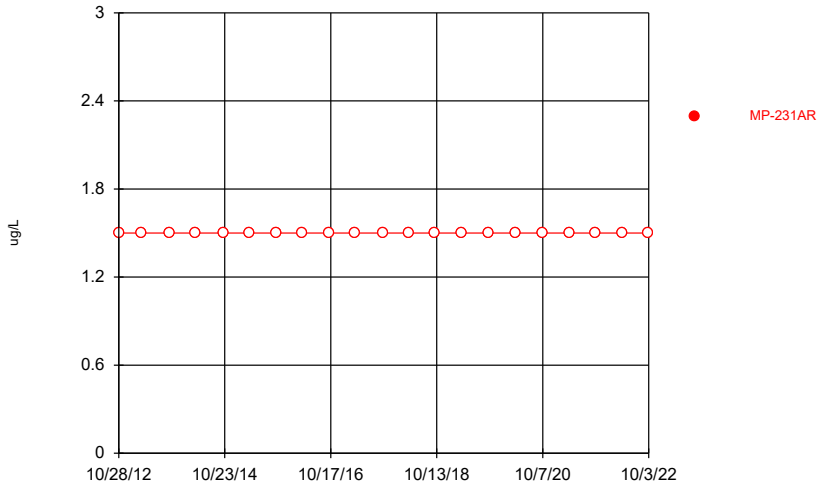

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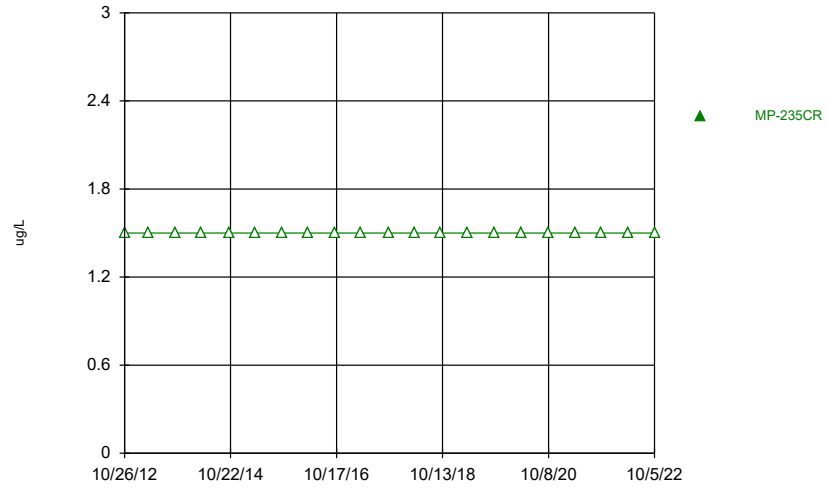

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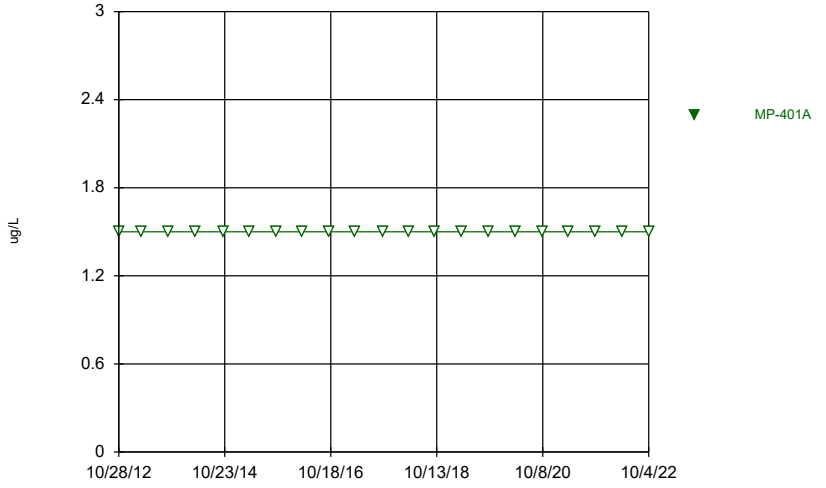

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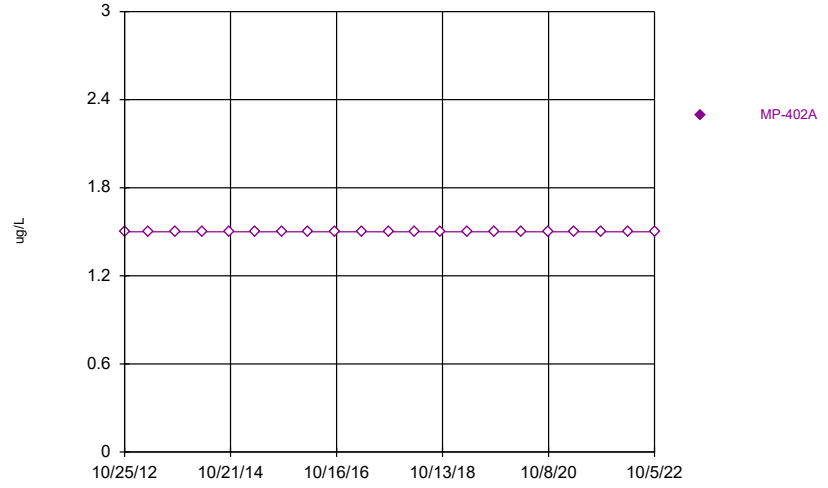

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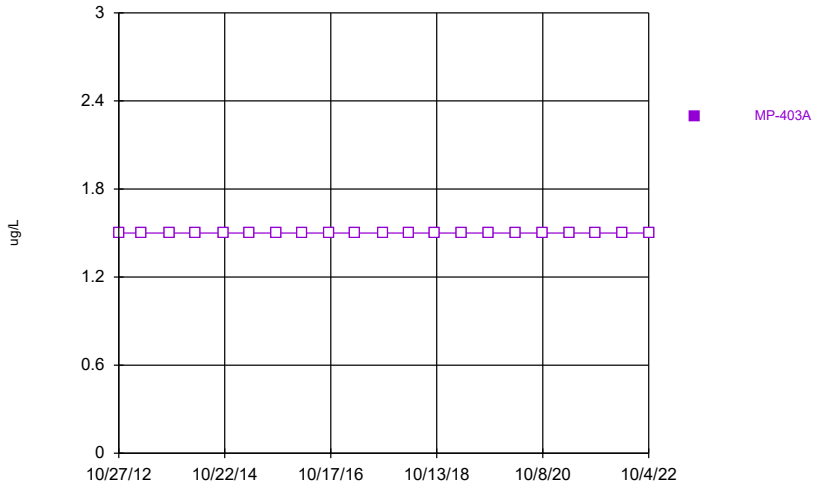

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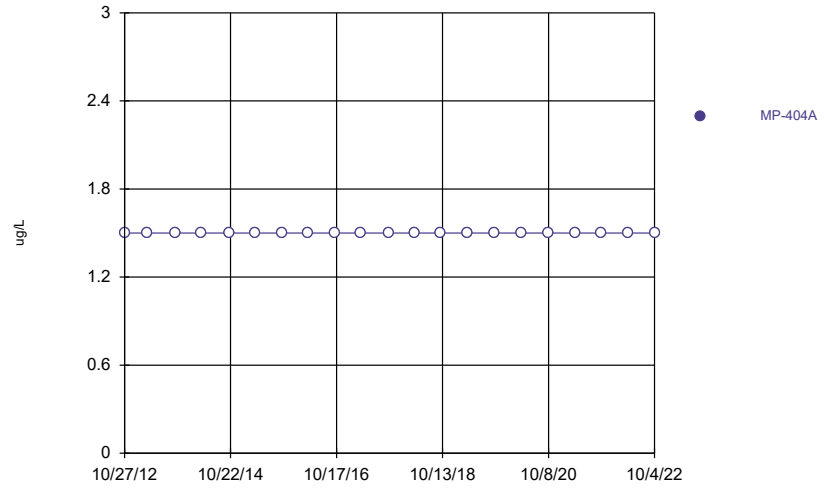

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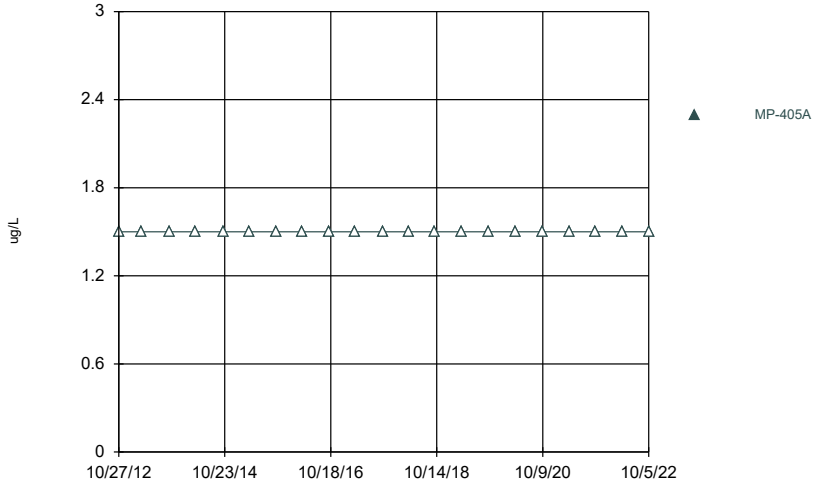

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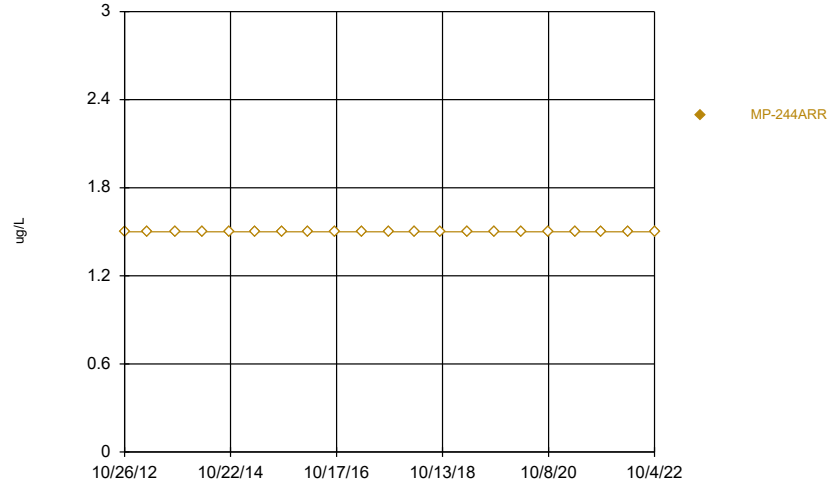

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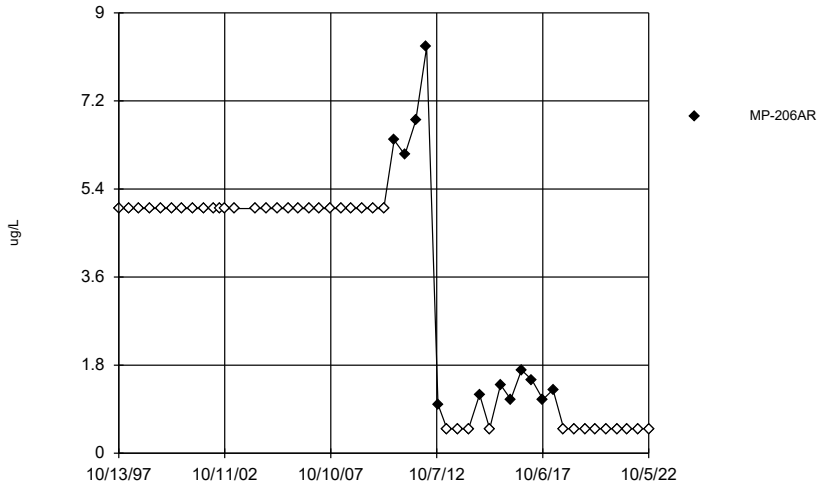
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

APPENDIX E.

TIME-SERIES PLOTS OF METALS RESULTS
880 SAND WELLS

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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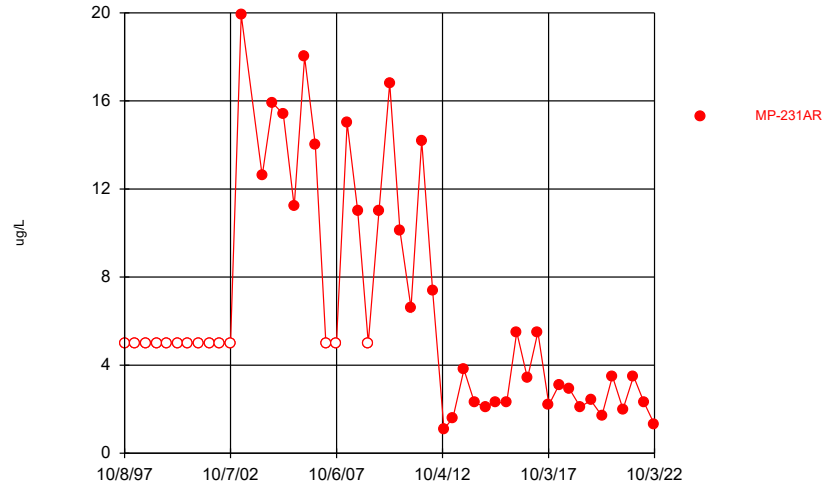

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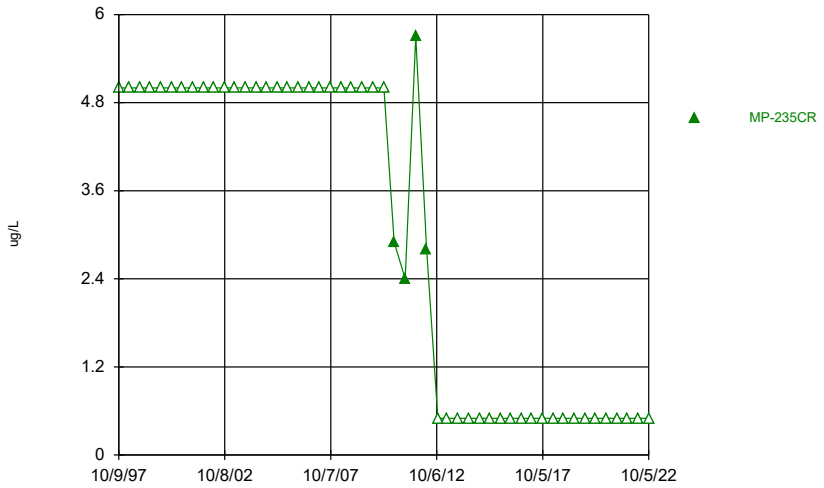

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG
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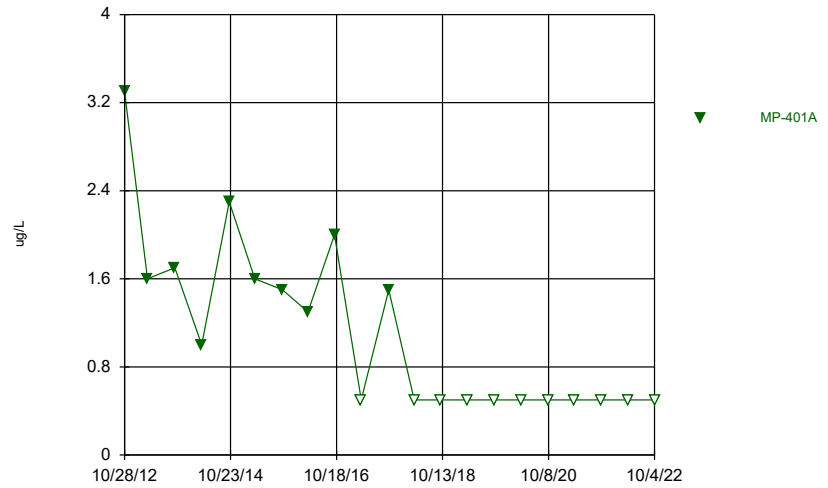

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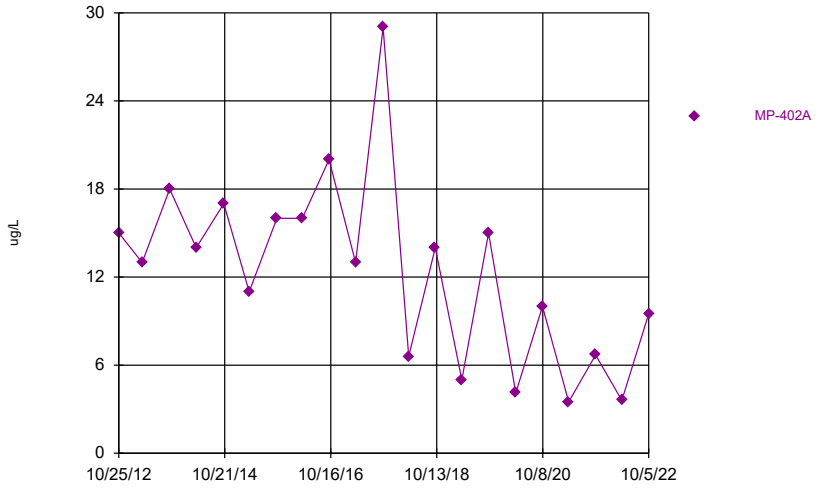
Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

Time Series



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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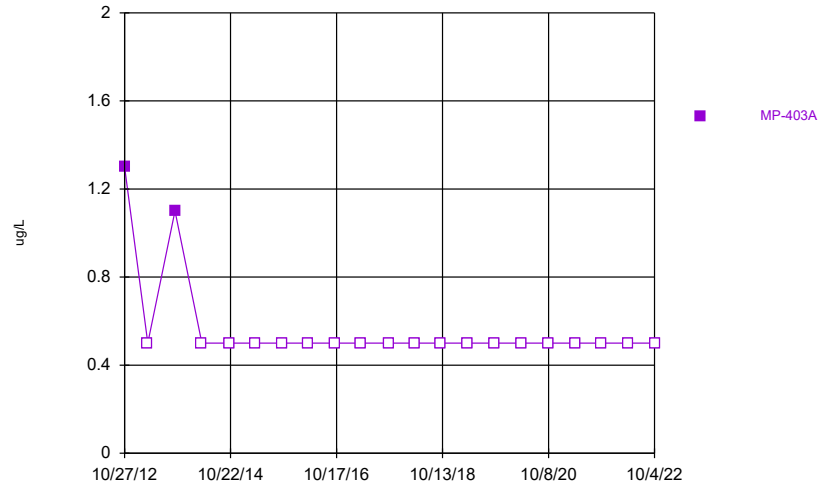

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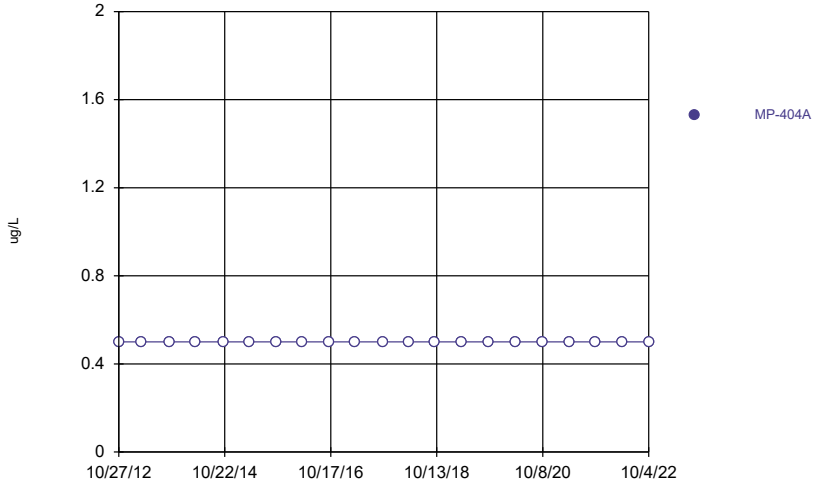

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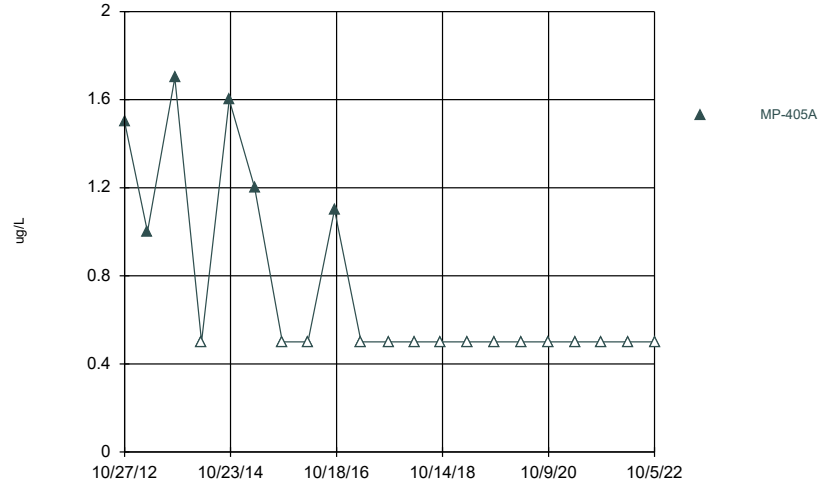

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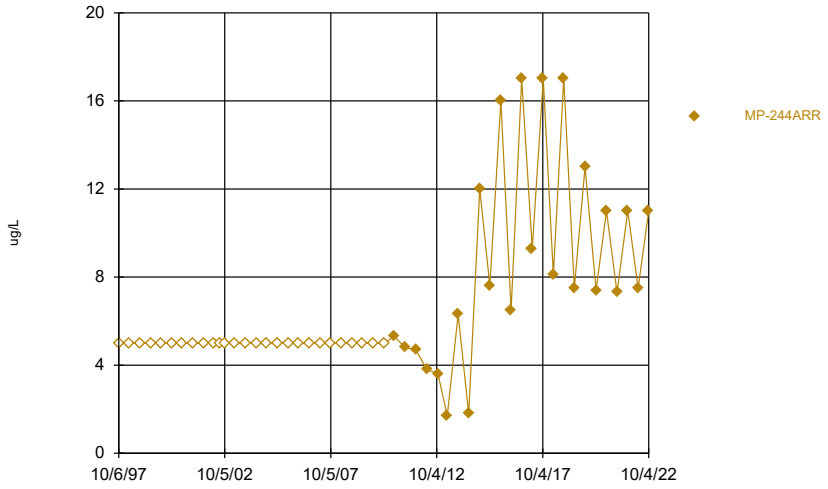

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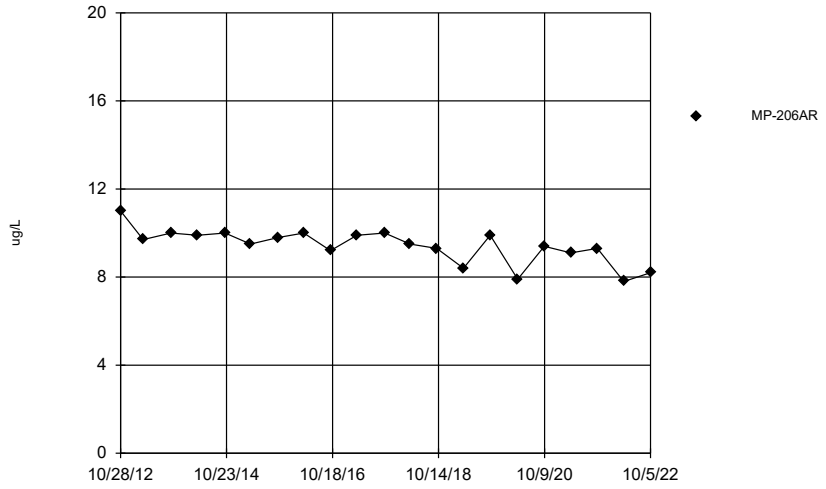

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Sanitas™ v.9.6.35 Software licensed to Eagon & Associates, Inc. UG

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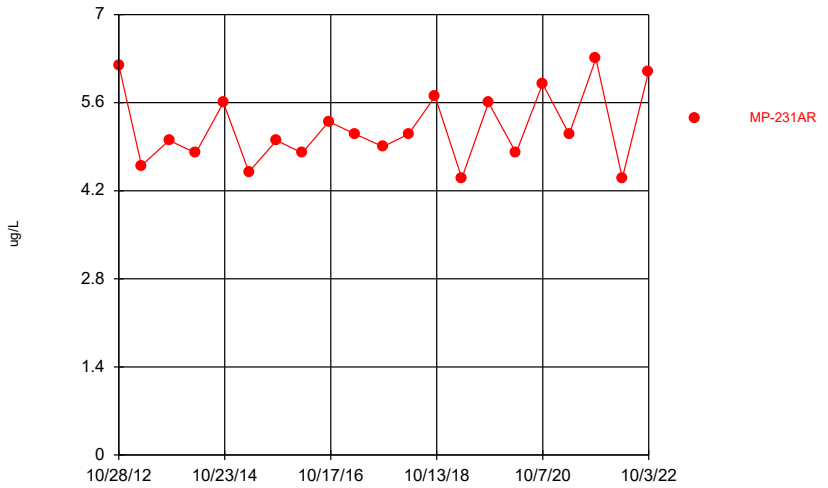

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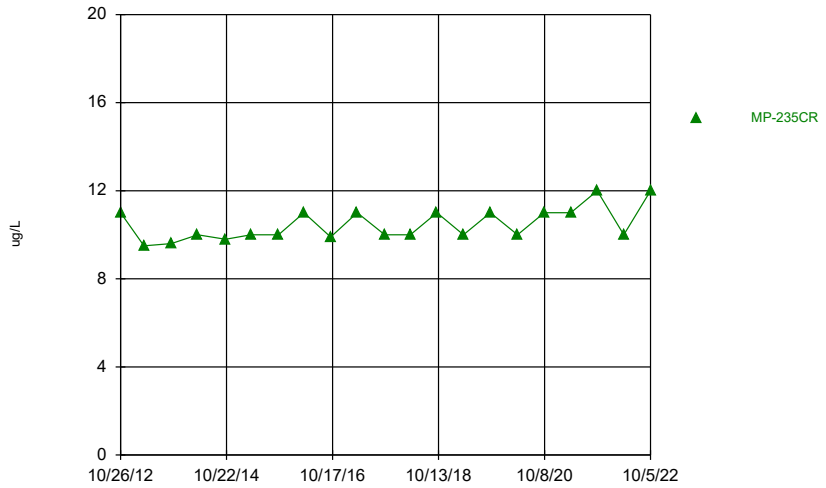

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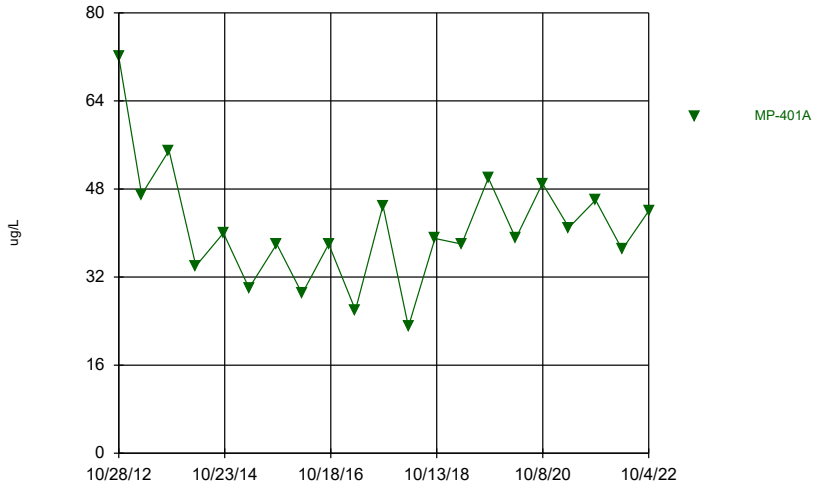

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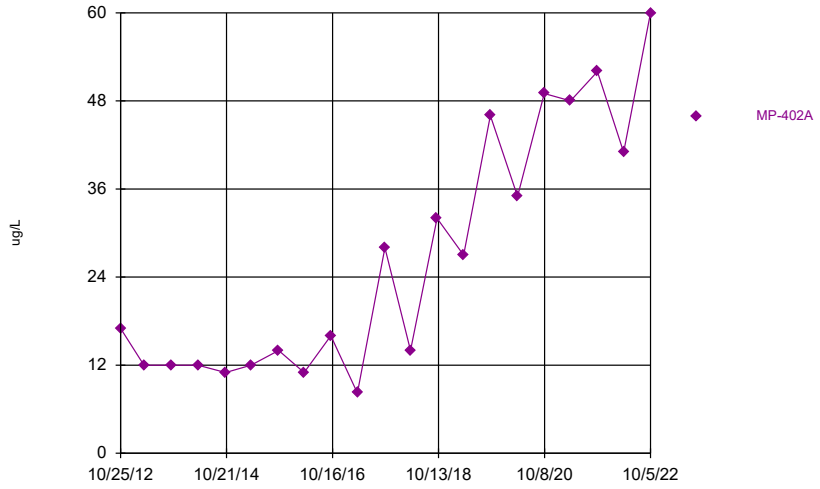

Constituent: Barium Dissolved Analysis Run 10/31/2022 3:56 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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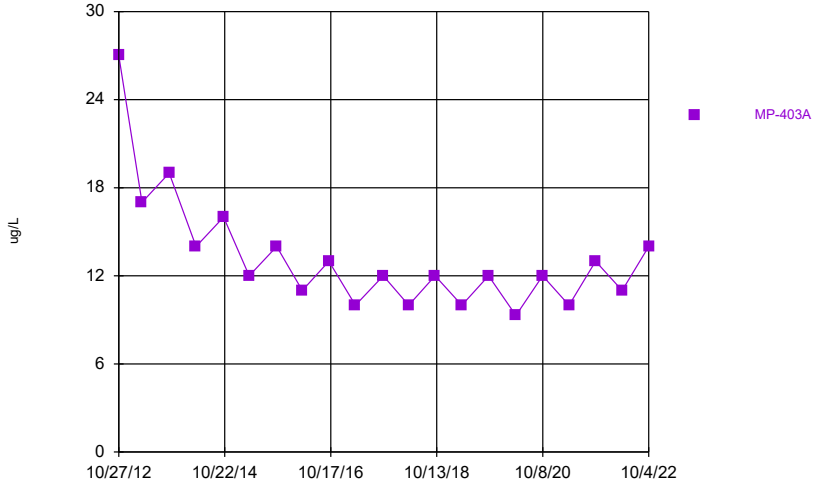
Time Series



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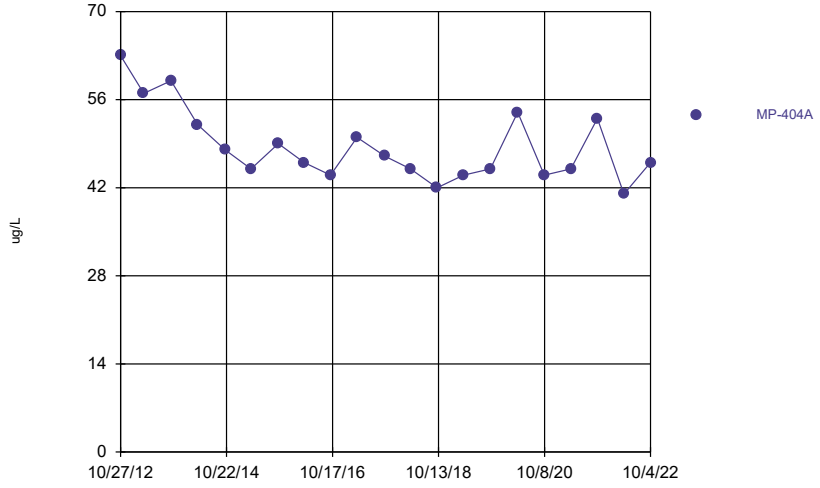

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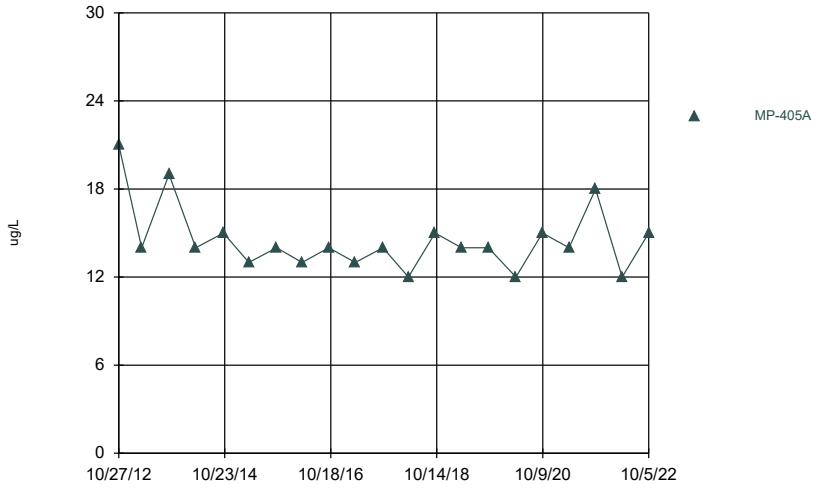

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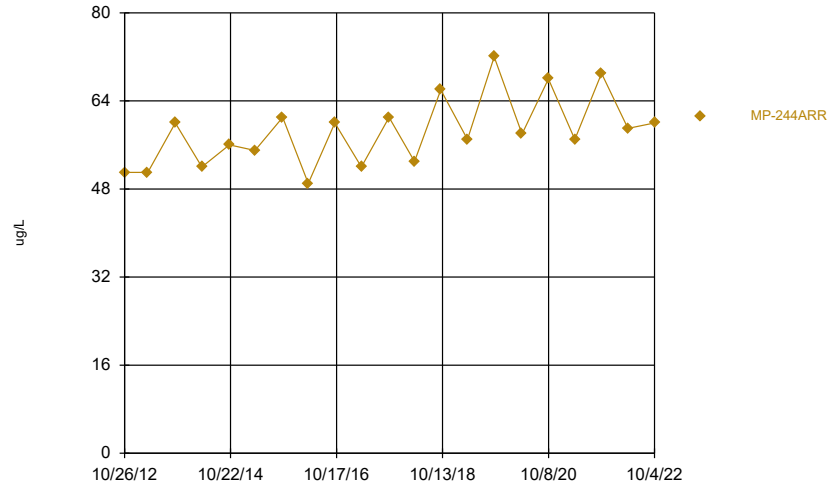

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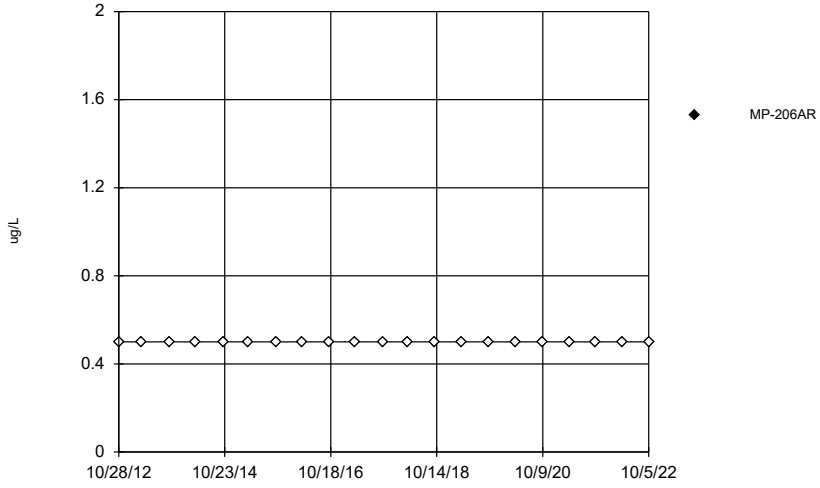

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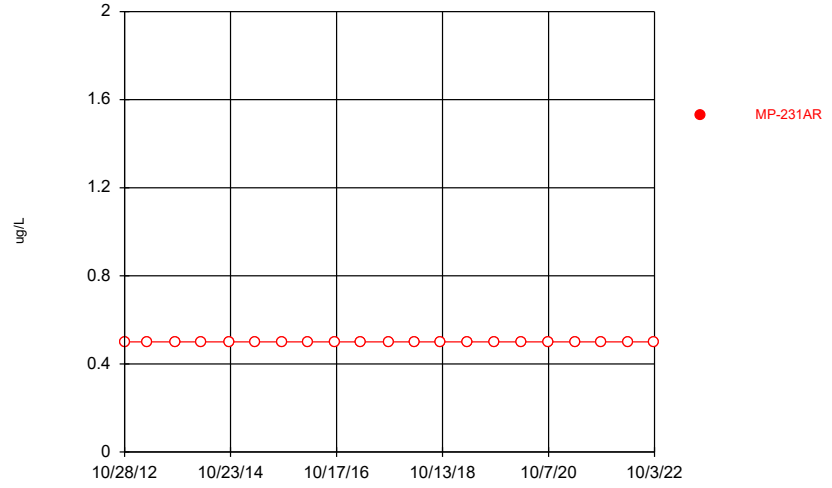

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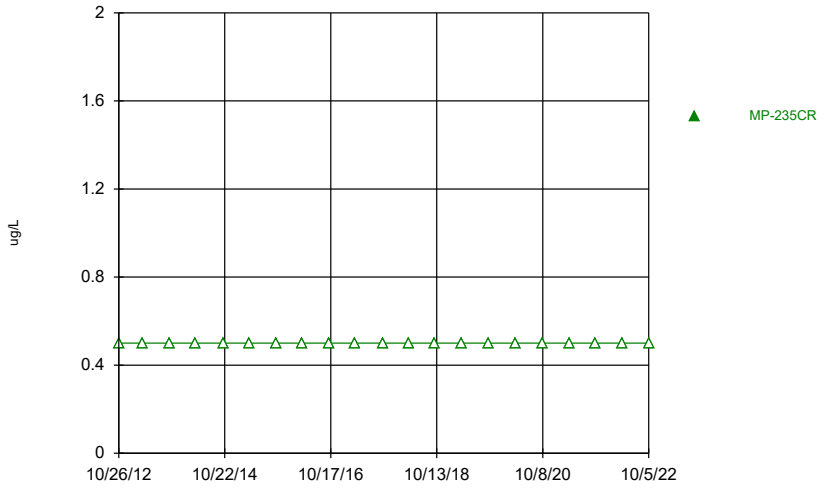

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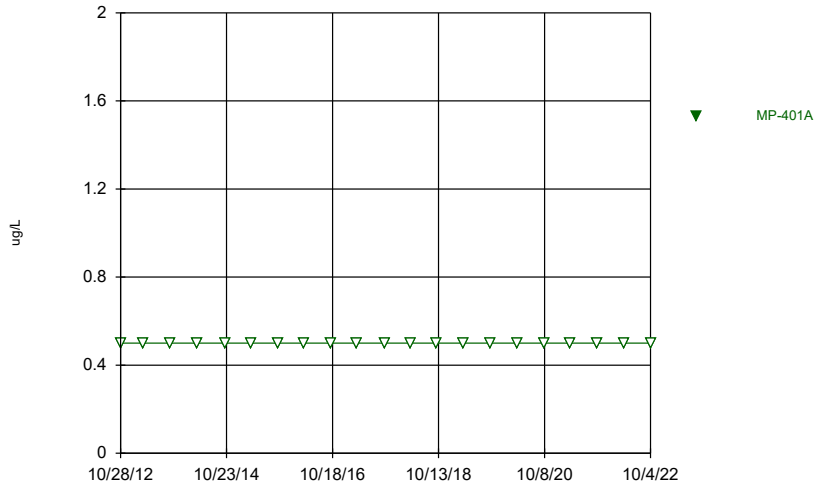

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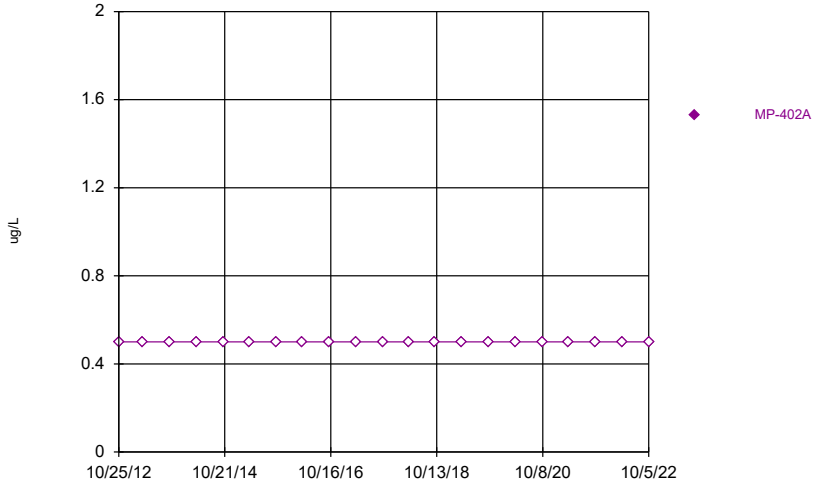

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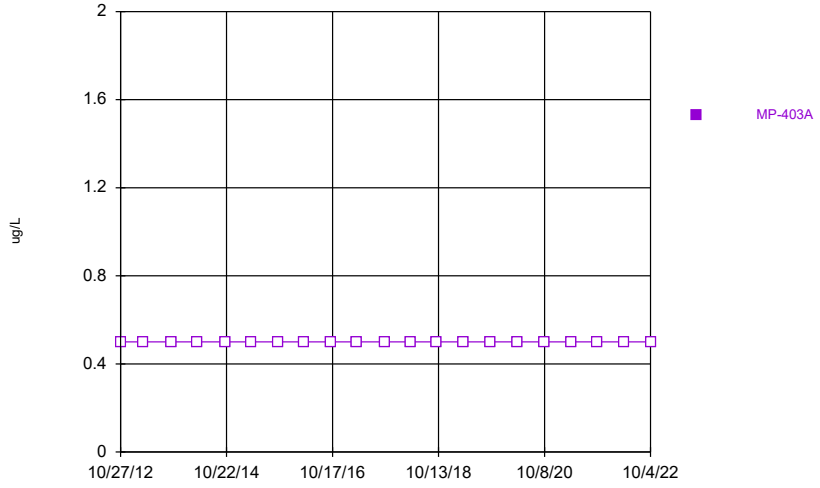

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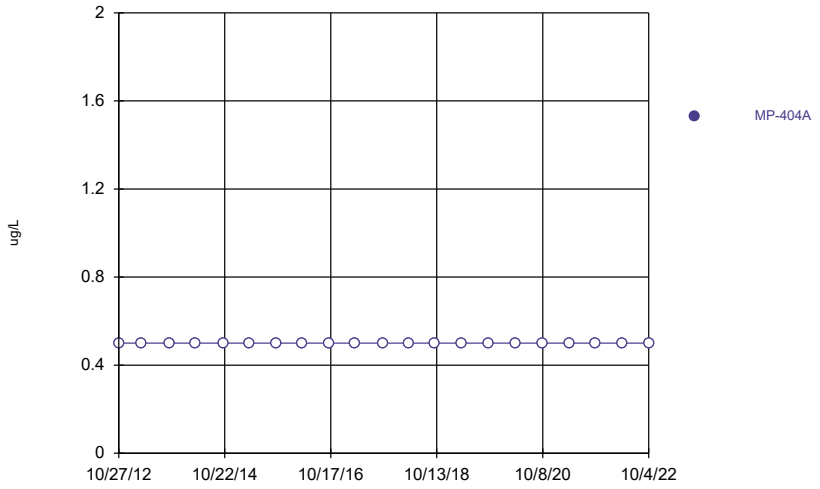

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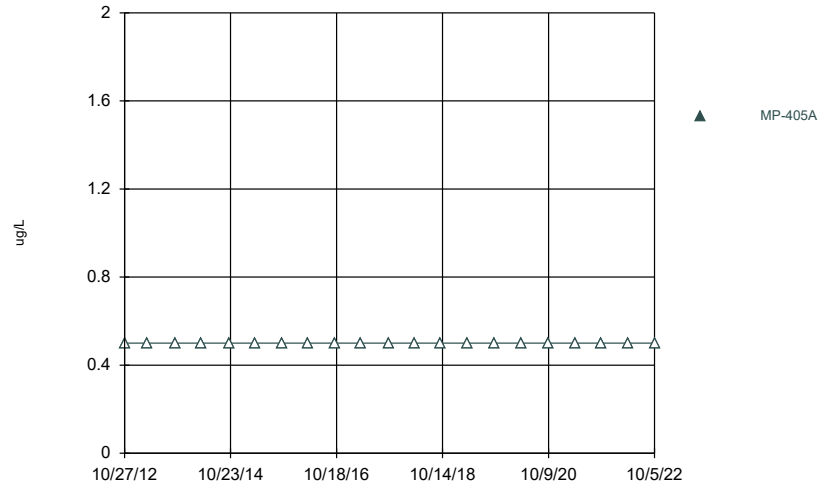

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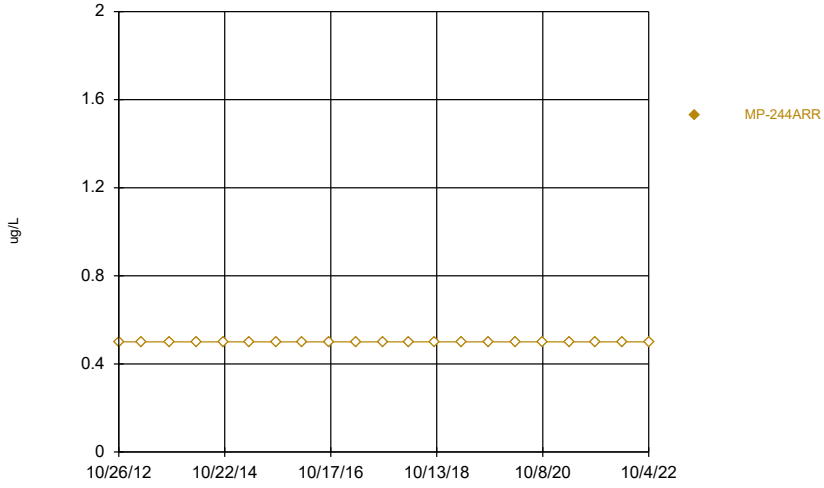

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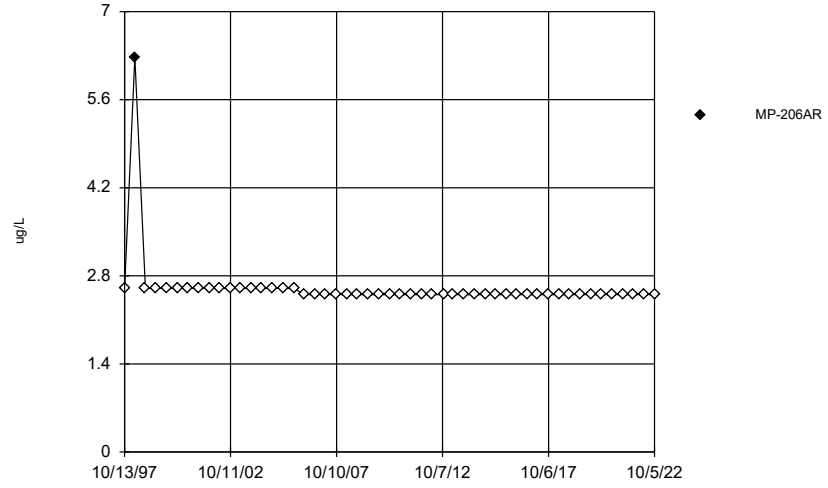

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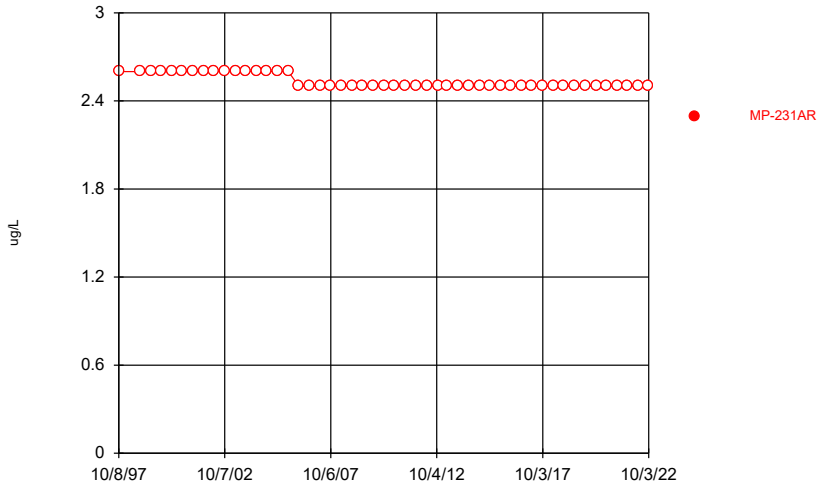

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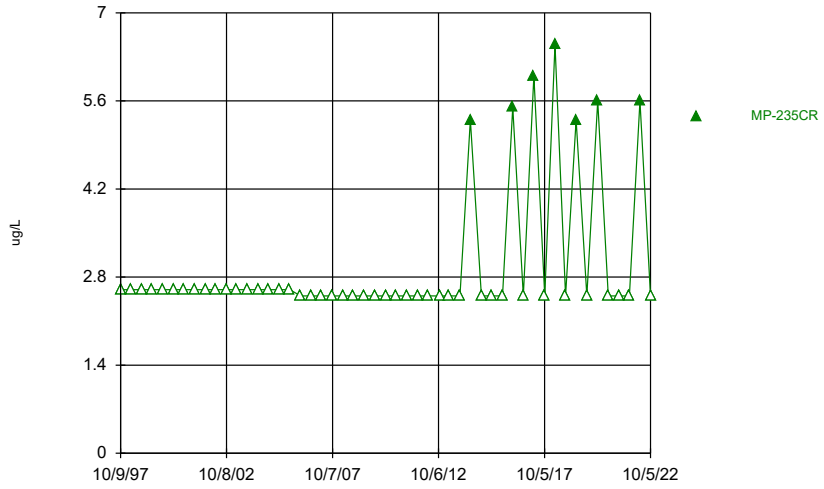

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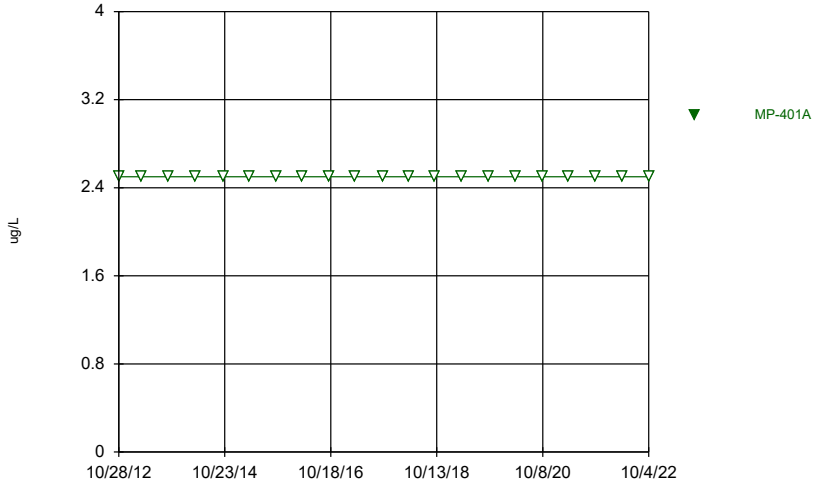

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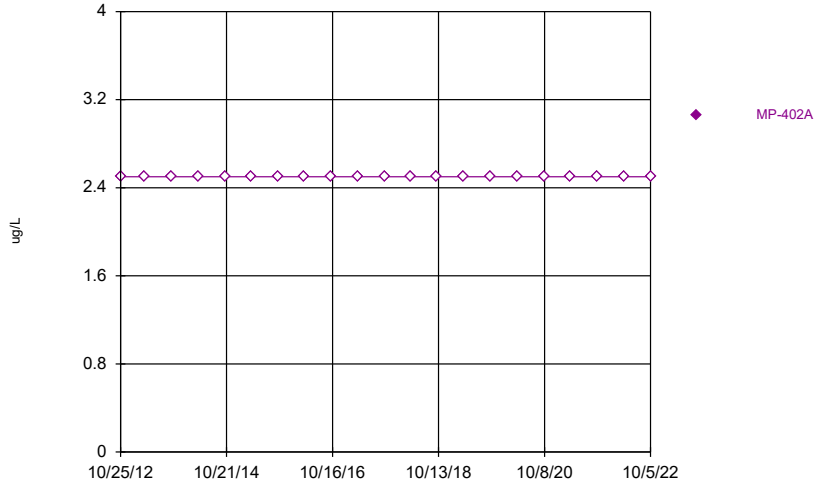

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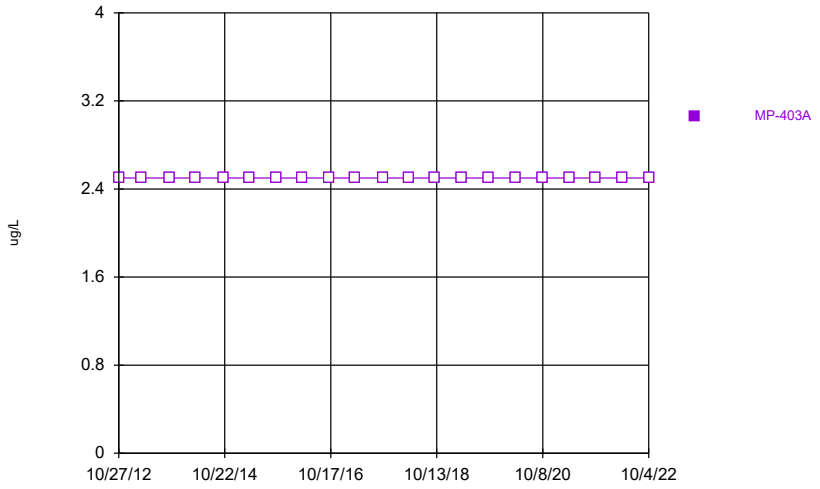

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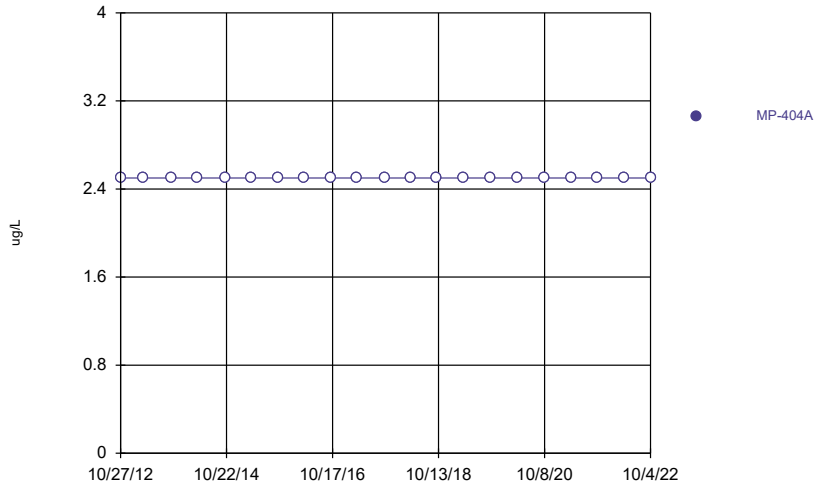

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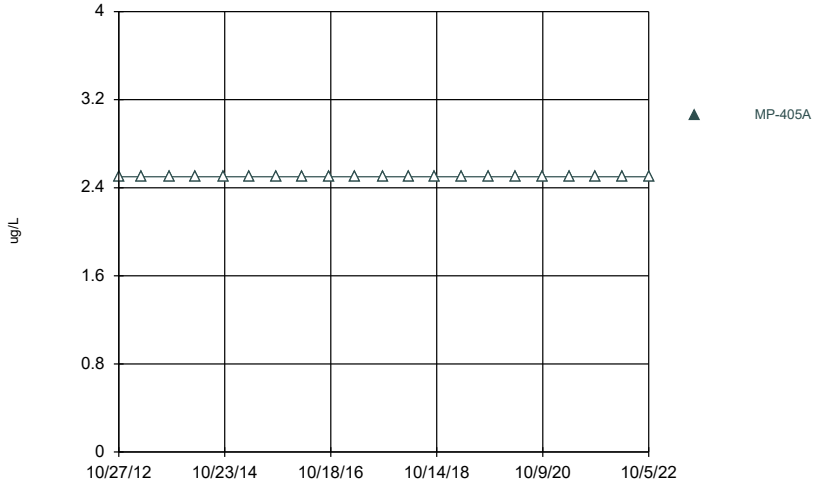

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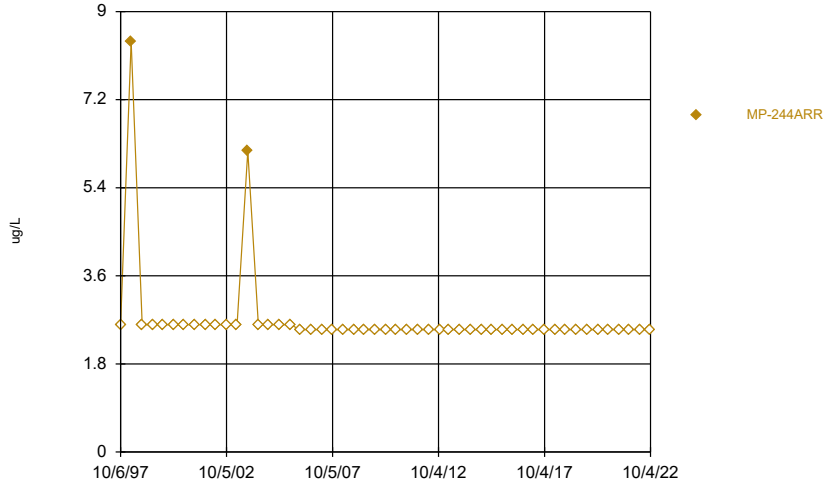

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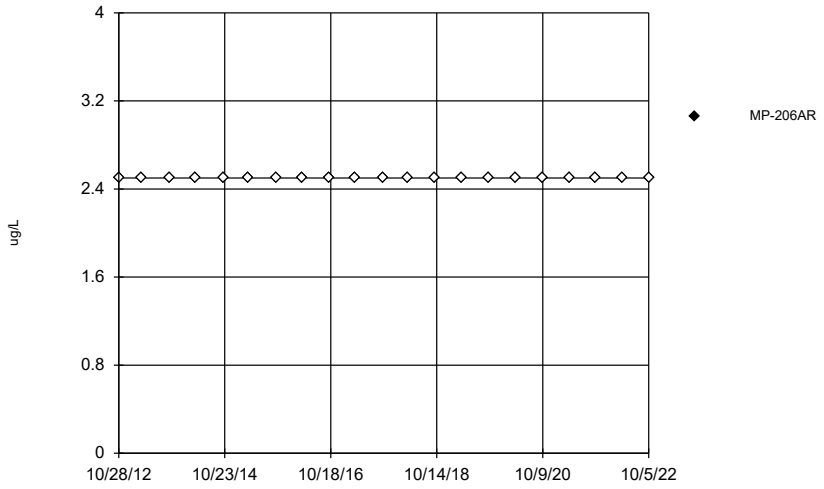

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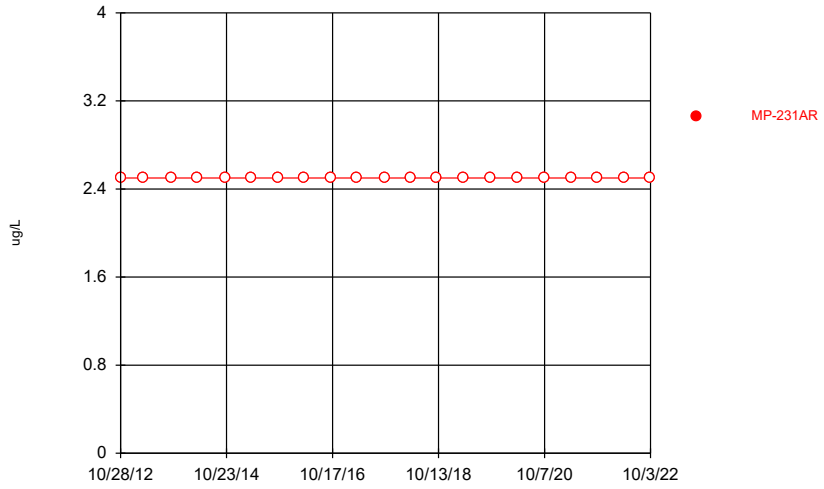

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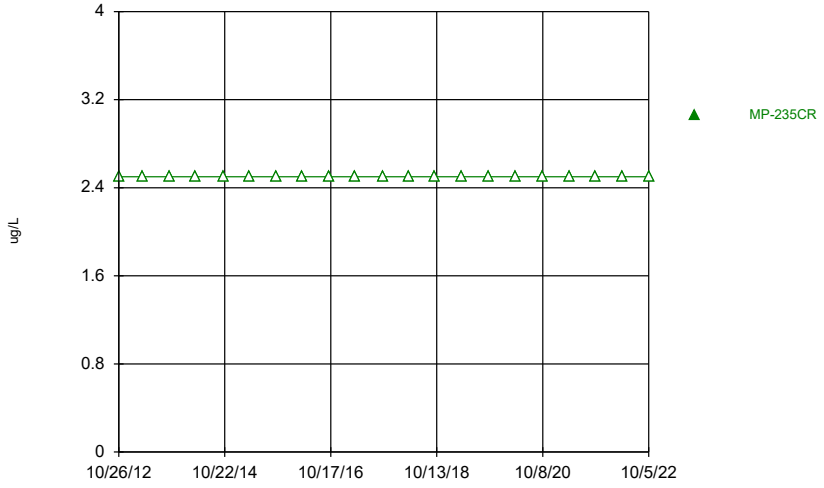

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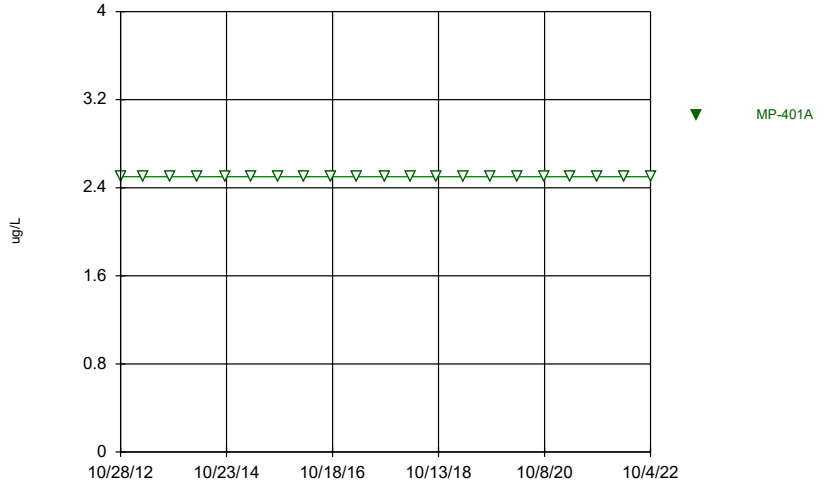

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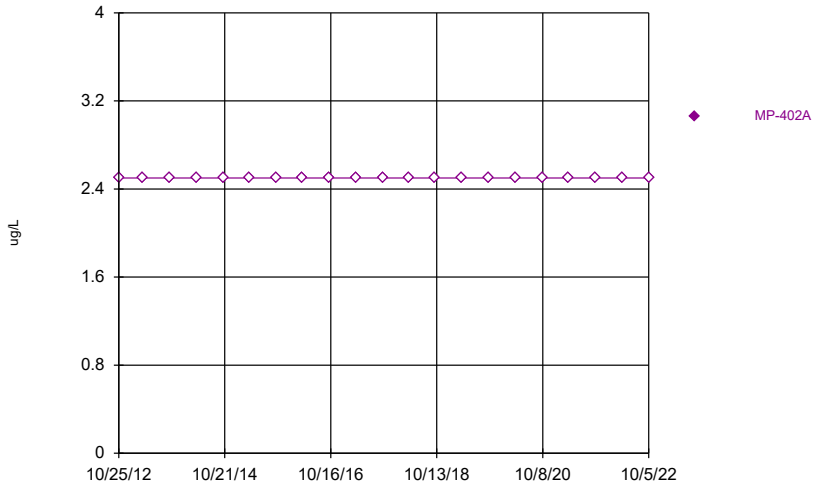

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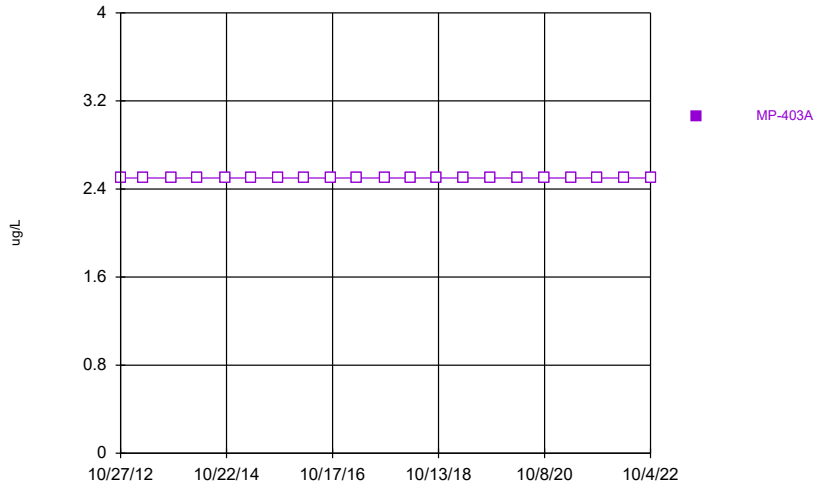

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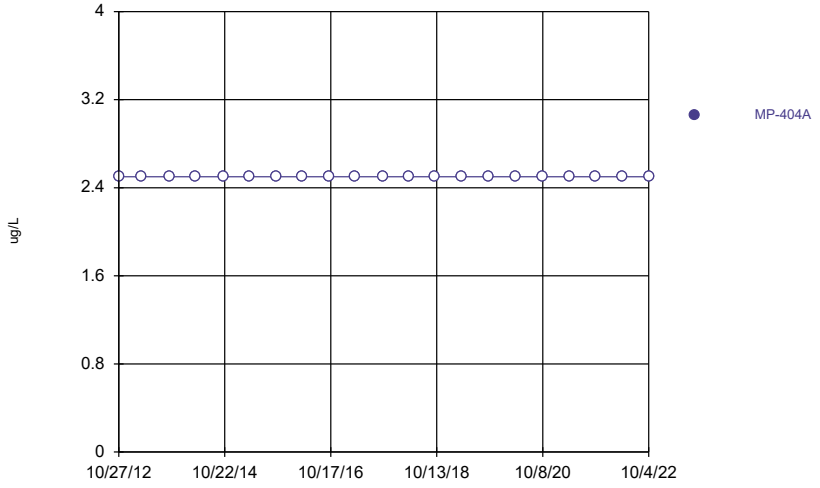

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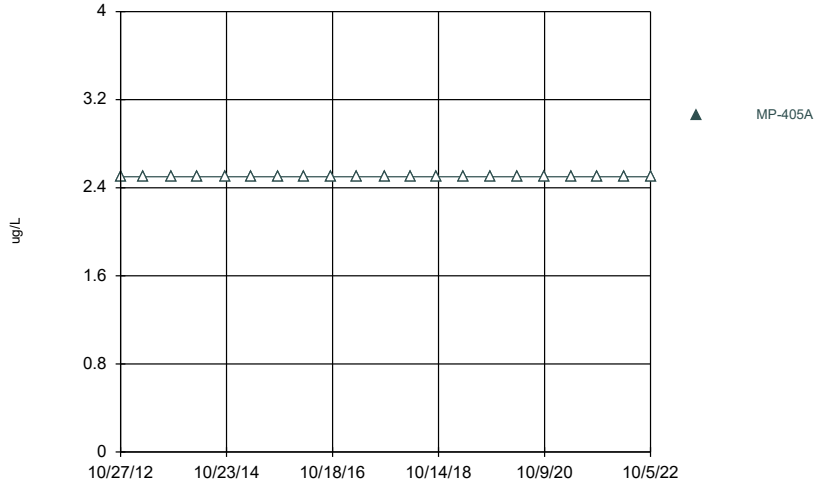

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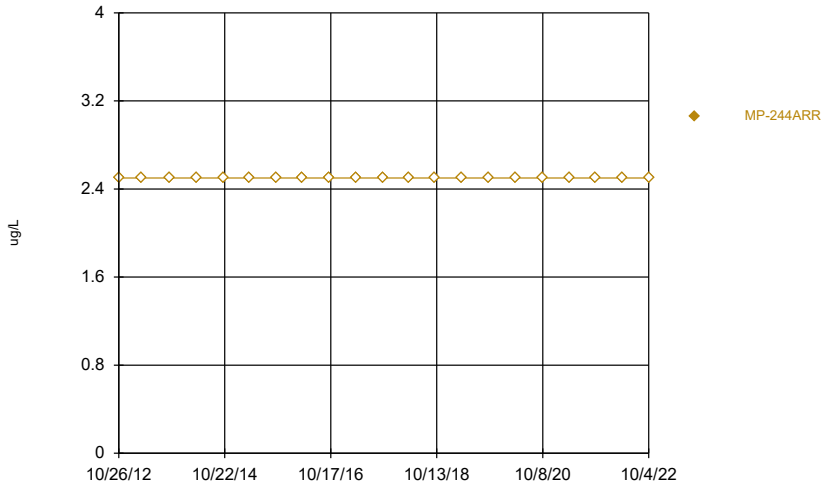

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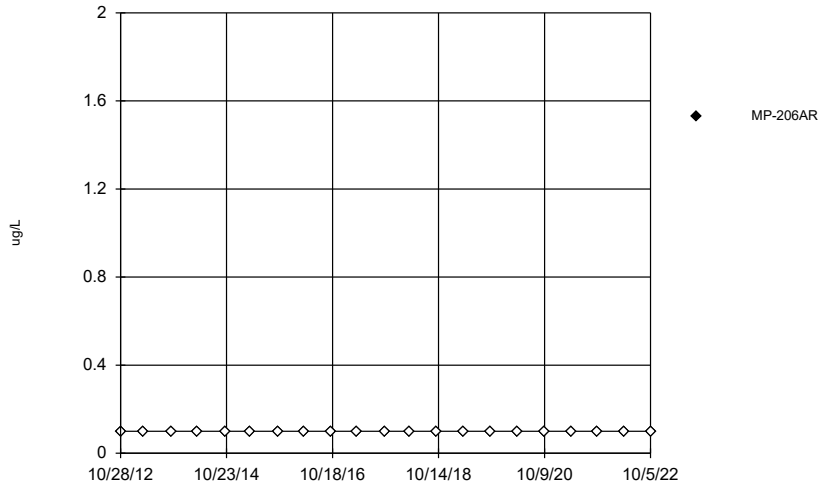

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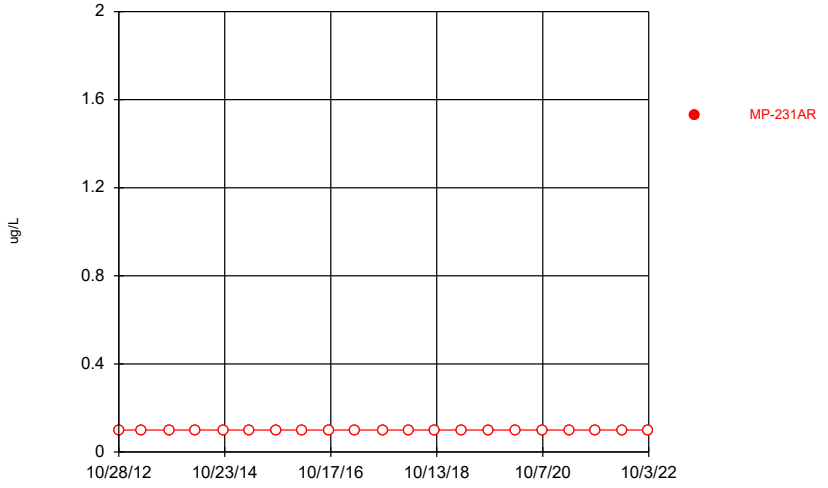

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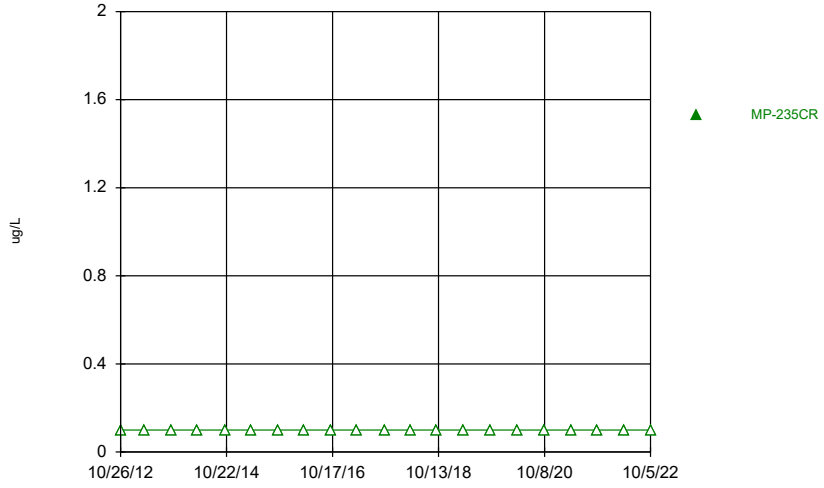

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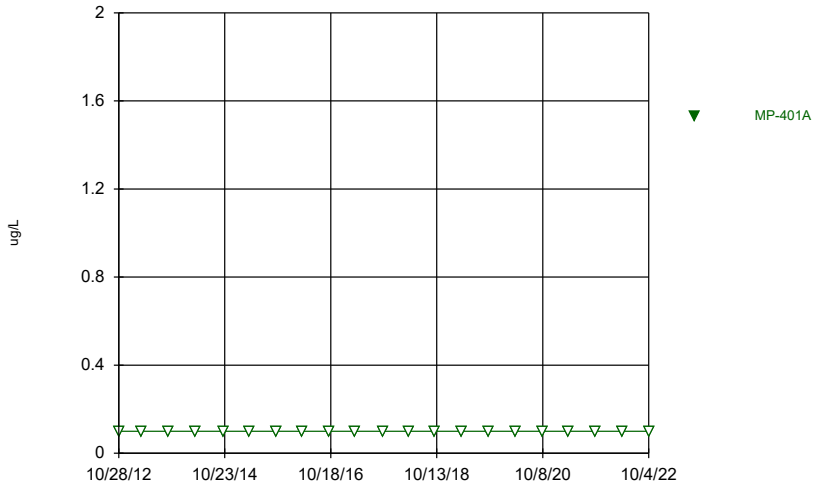

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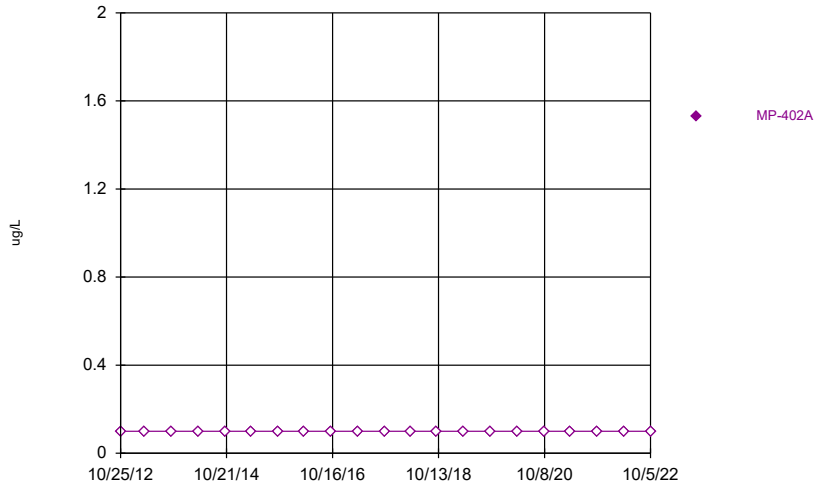

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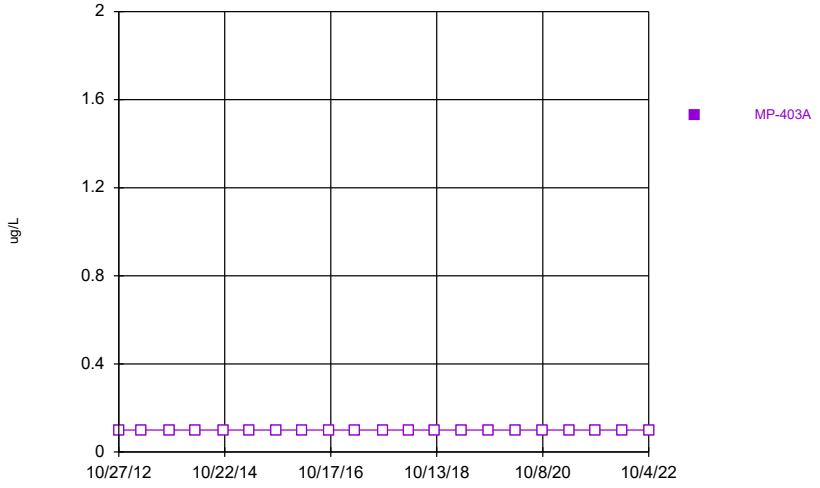

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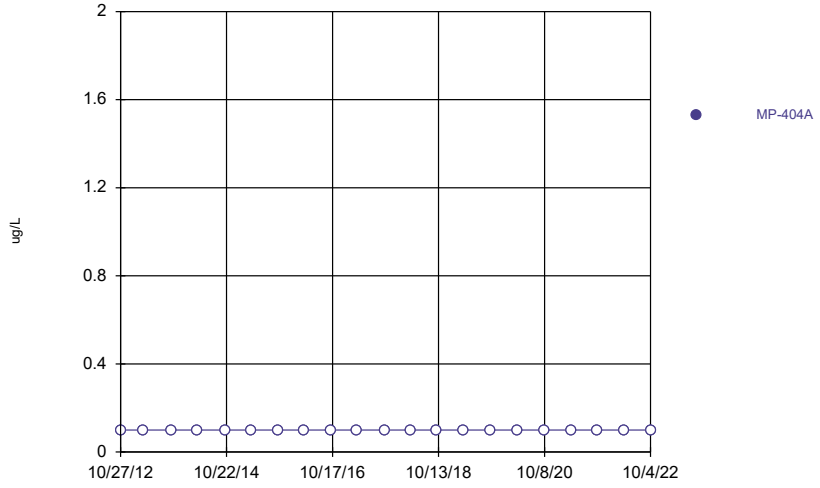

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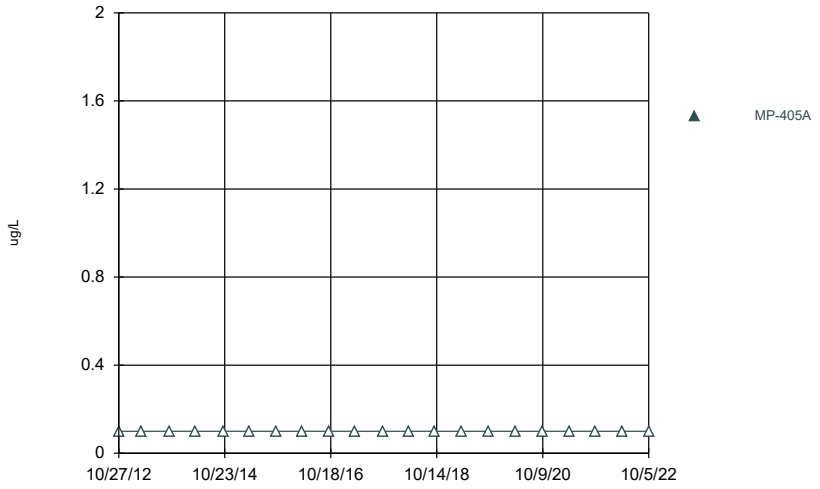
Time Series



Constituent: Mercury Dissolved Analysis Run 10/31/2022 3:57 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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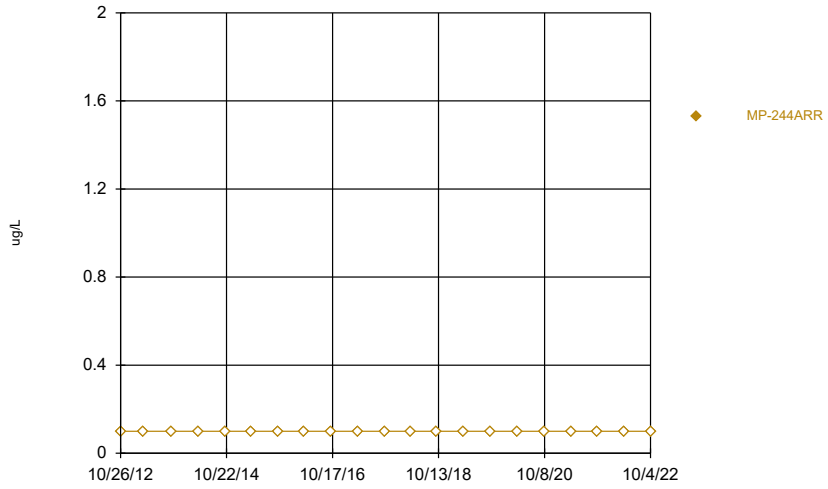
Hollow symbols indicate censored values.

Time Series



Constituent: Mercury Dissolved Analysis Run 10/31/2022 3:57 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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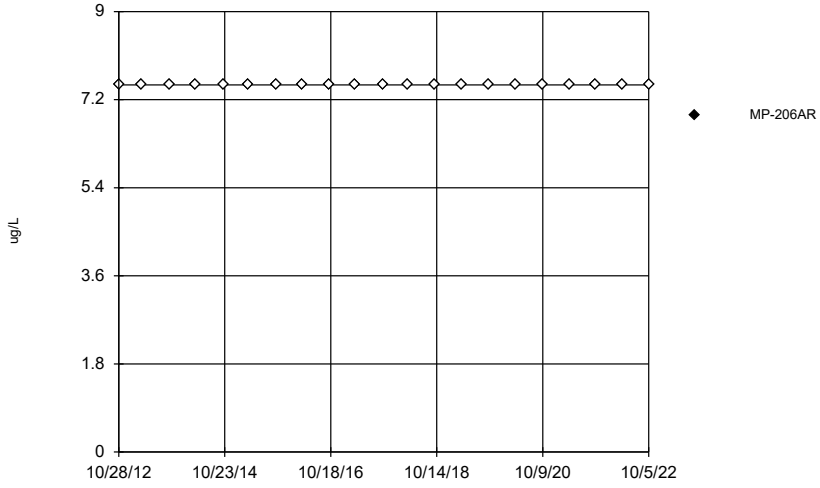
Time Series



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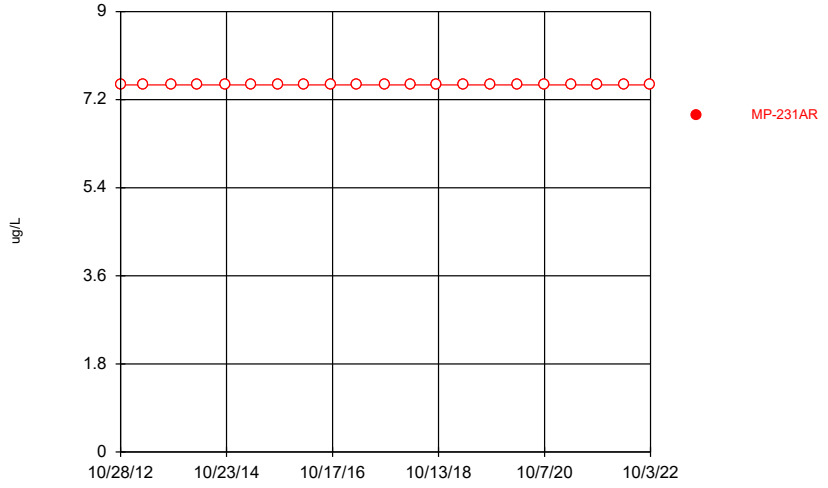
Time Series



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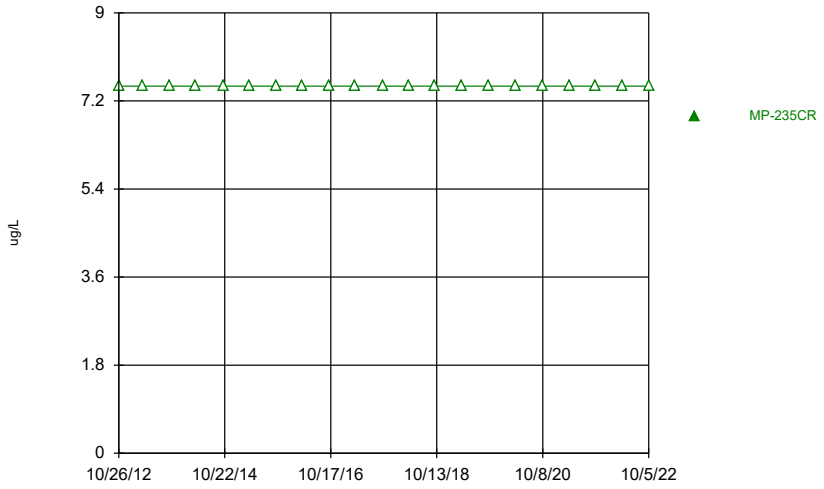
Time Series



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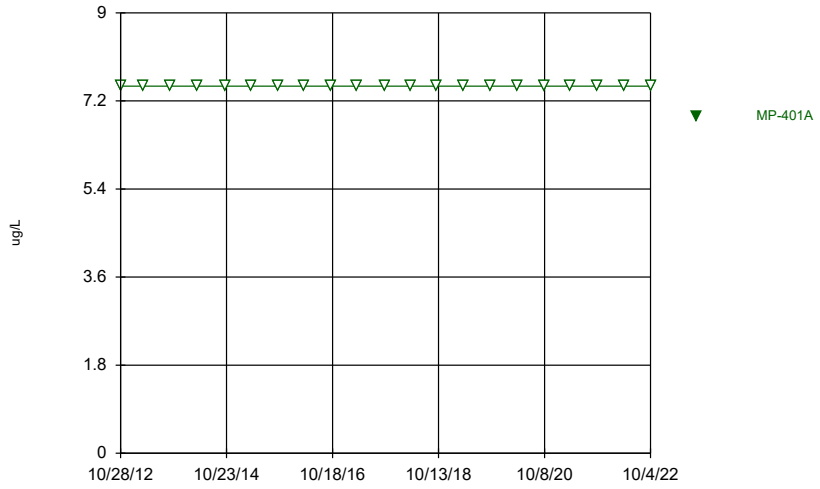

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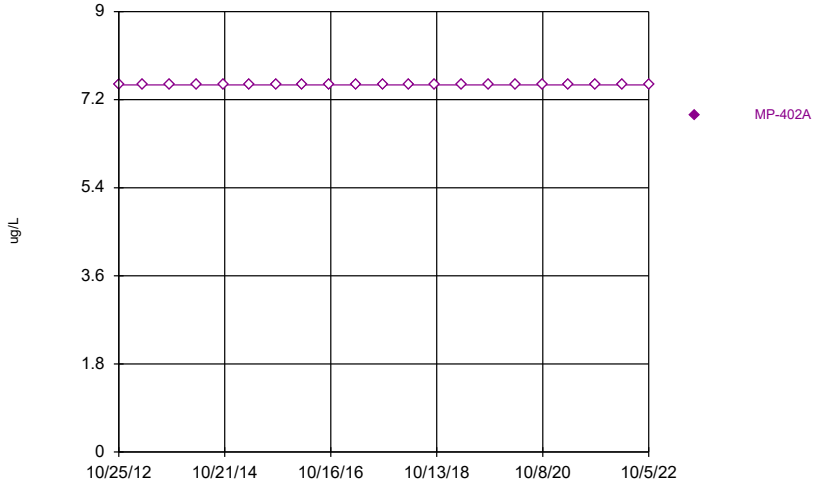

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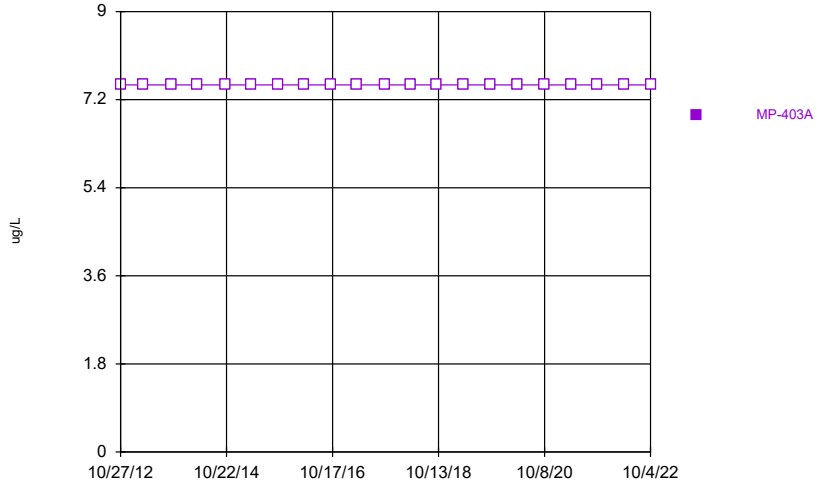

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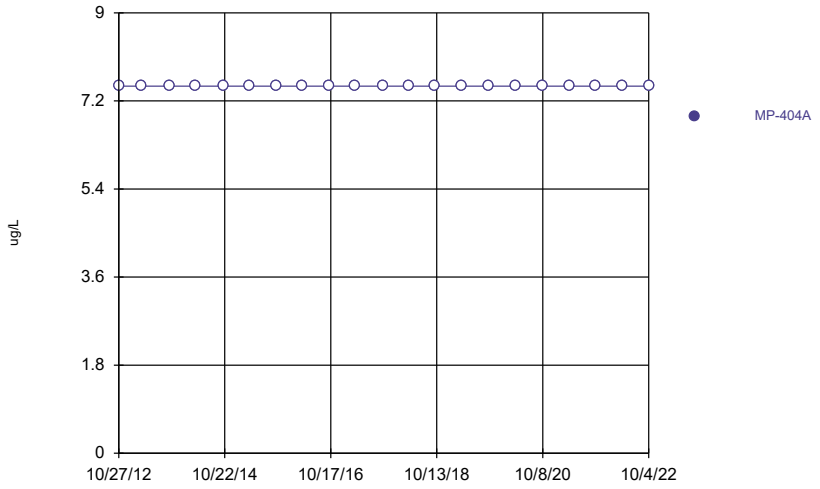

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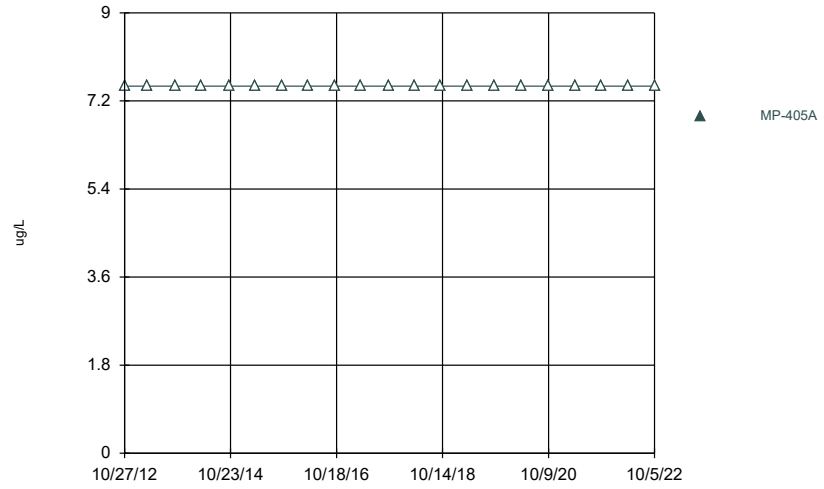

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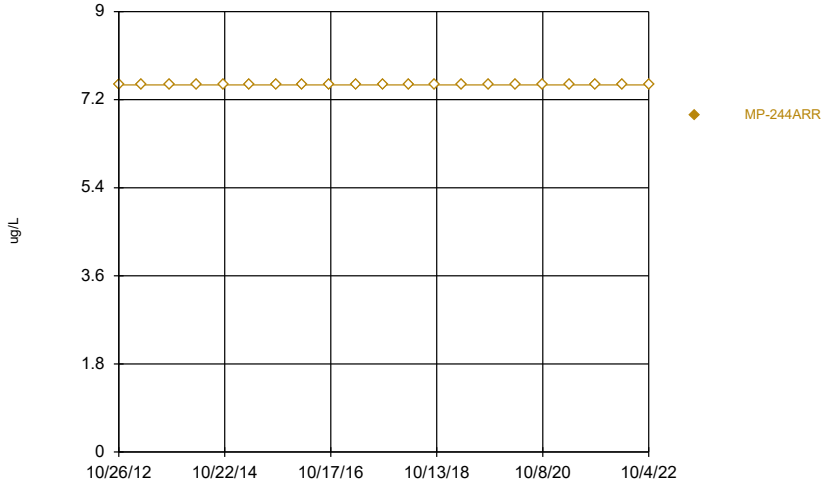

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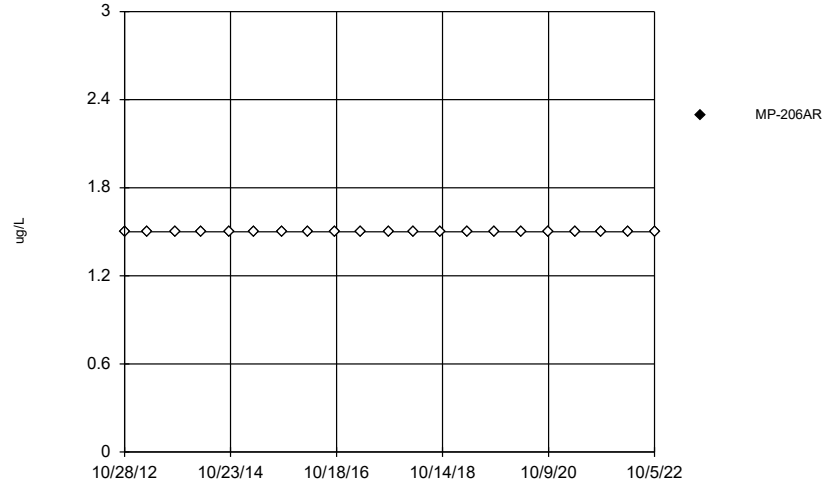

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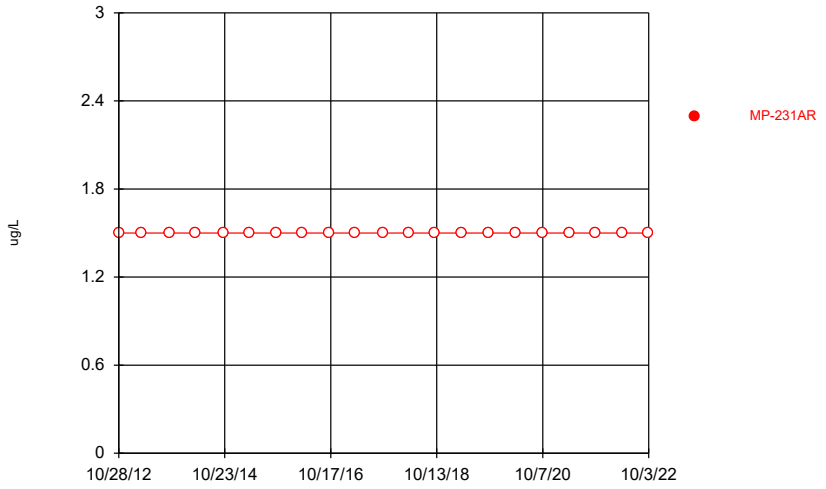

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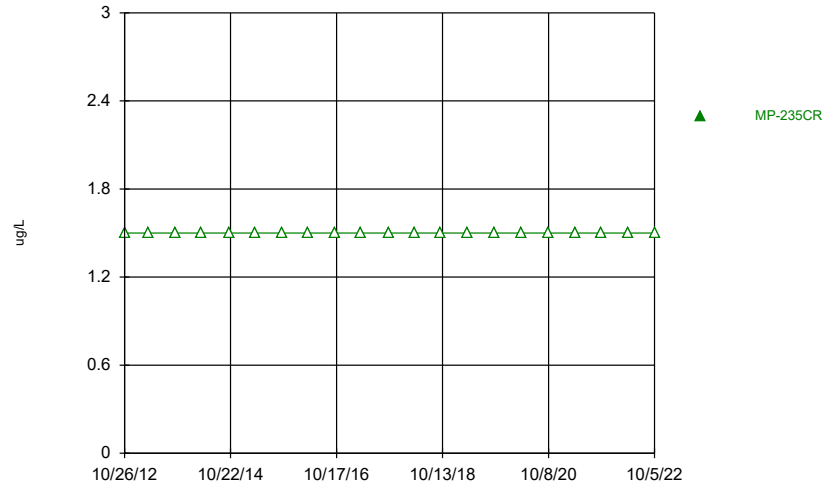

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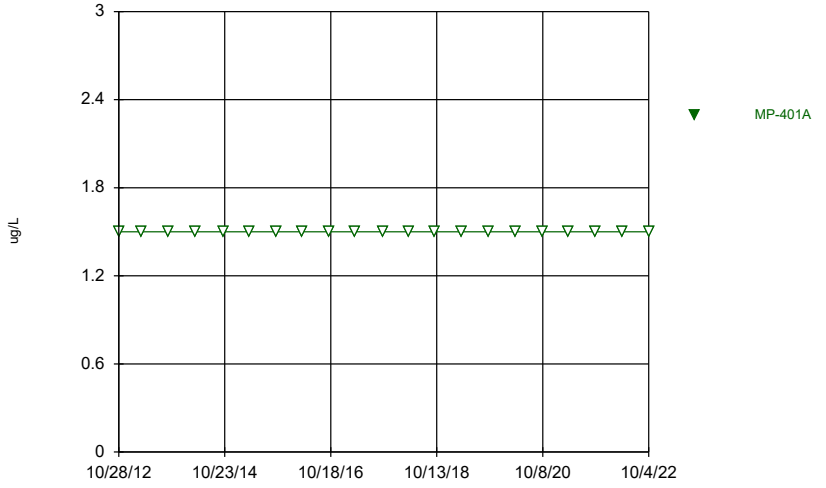

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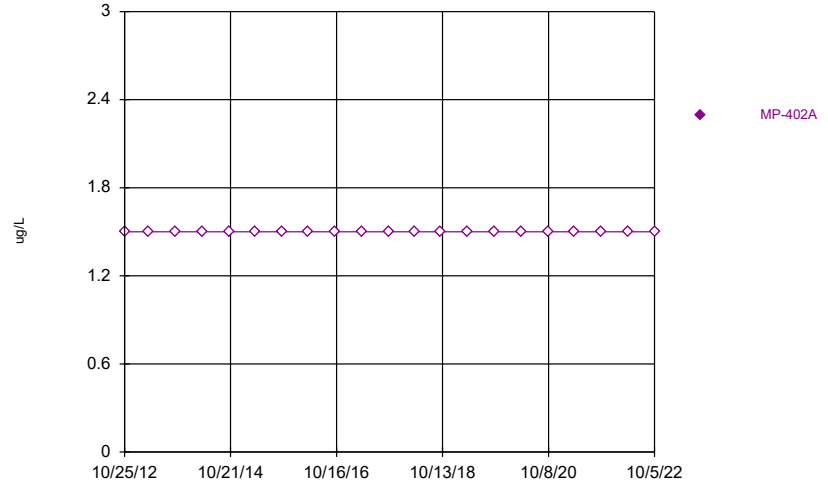

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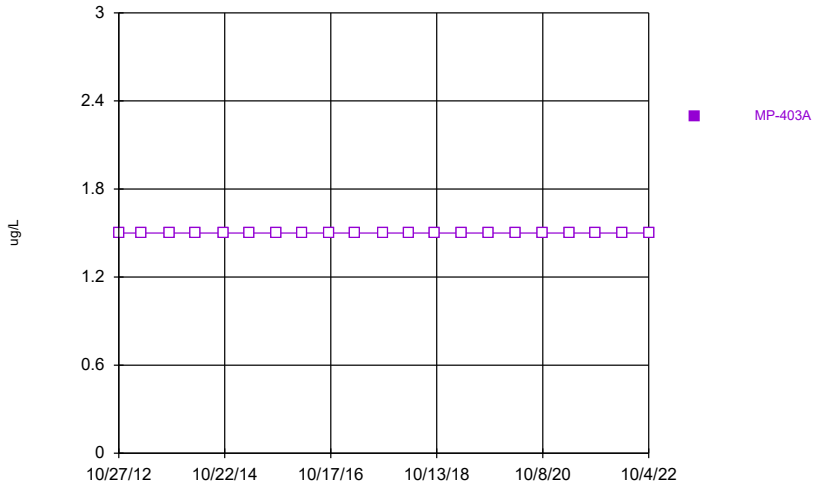

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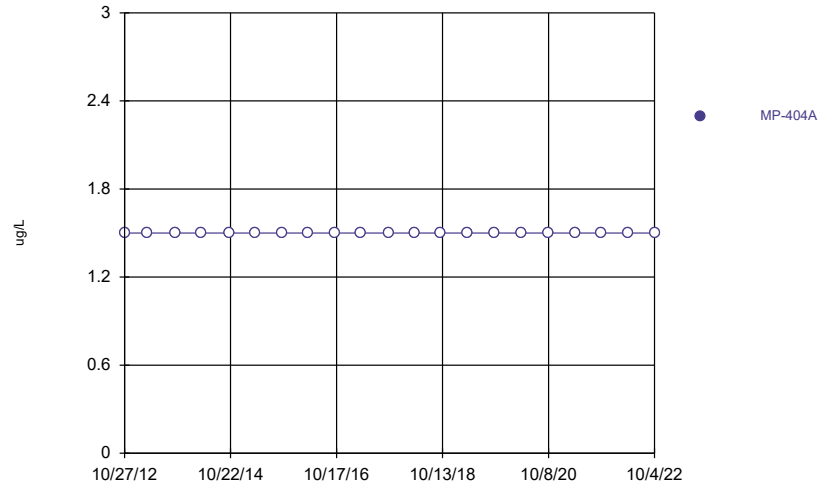

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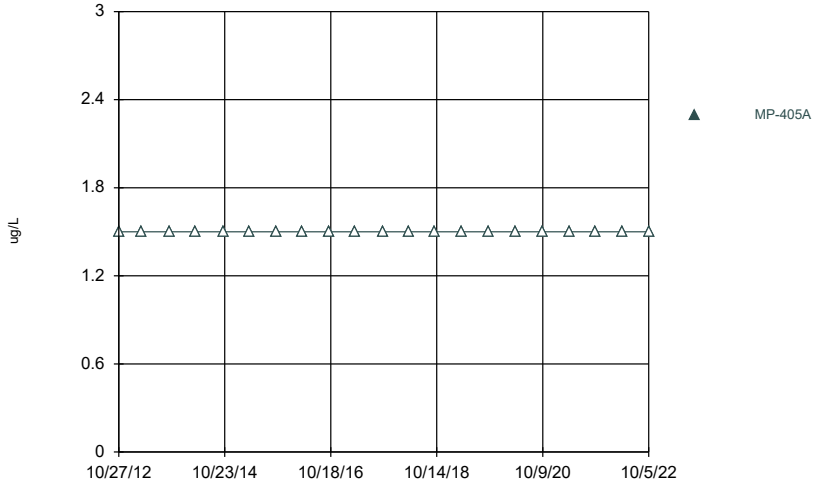

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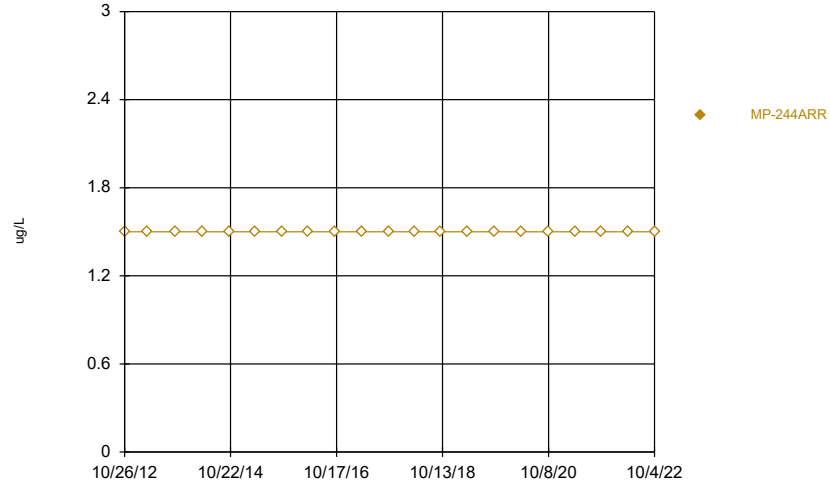

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