CECOS
INTERNATIONAL

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Williamsburg, Ohio 45176
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January 8, 2016

Mr. Tim Hull
Ohio Environmental Protection Agency
401 East Fifth Street
Dayton, Ohio 45402-2911

RE: Detection Monitoring Program
2015 Second Semiannual Ground-Water Quality and Statistical Analysis Results
CECOS International, Inc. - Aber Road Facility
Williamsburg, Ohio
EPA I.D. No. OHD 087 433 744

Dear Mr. Hull:

Transmitted herewith on CDROM is the report: "Detection Monitoring Program, 2015 Second Semiannual Ground-Water Quality and Statistical Analysis Results, CECOS International, Inc. - Aber Road Facility" (Eagon & Associates, Inc.; January 2016). The report includes the results of October 2015 sampling, December 2015 supplemental sampling, January 2016 verification sampling, and statistical analysis of those results, where applicable. The routine 2015 second semiannual sampling activities were conducted October 12-14, 2015. The supplemental sampling event was completed at three wells on December 17, 2015, and the verification sampling event was completed at one well on January 4, 2016.

CECOS is presently performing ground-water 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. Ground-water monitoring activities for the facility's Detection Monitoring Program (DMP) are performed in accordance with the facility's approved Post-Closure Plan (September 2014) and OAC Rules 3745-54-90 through 54-100.

The 2015 second semiannual report includes a summary of the respective sampling events, analytical results, laboratory quality assurance and quality control information, chain-of-custody records, field information forms, field-meter calibration records, and the statistical analysis results. Also presented in the report is an evaluation of ground-water flow conditions in each of the four monitoring horizons during the October event, including potentiometric surface maps and a calculation of the ground-water flow rate for each zone.

The results for the October 2015 event indicated that the metals samples from BTI well MP-234R and 880 Sand well MP-234AR were inadvertently switched at the time of check-in at the laboratory; however, there was no way to verify the switch had occurred because the original sample volumes had already been discarded by the laboratory when the mistake was discovered in December. That necessitated the December 2015 supplemental sampling event, which also included collection of a supplemental VOC sample from BTI well MP-280 to address a dilution that was required for its October sample. One result (dissolved barium at BTI well MP-234R) from the December event was identified as an initial statistical exceedance. The January 4, 2016 verification sampling event was performed in response to that result and did not confirm the statistical exceedance.

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The 2015 second semiannual event was performed in accordance with the Ohio EPA-approved September 2014 revision to the Post-Closure Plan. All DMP wells were sampled and statistically evaluated for volatile organic compounds (VOCs). All wells also were sampled for the eight dissolved RCRA metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver, which are included in the statistical analysis program for the Channel Sand and BTI zones. The results for the eight RCRA metals from Upper Sand and 880 Sand wells are qualitatively reviewed for general water-quality characterization during each semiannual DMP event.

There were no confirmed statistically significant concentrations identified for any indicator constituent in any monitoring well during the event.

The 2015 second semiannual dissolved metals results for the Upper Sand and 880 Sand wells were reviewed and generally displayed similar characteristics to historical concentrations detected at each well or in each zone. In addition, there were no VOC detections in the Upper Sand or 880 Sand during the event; therefore, there was no indication that additional evaluation of those zones is appropriate at this time.

The October 2015 event also included biannual sampling and analysis for major ions in all four monitoring zones and is performed at Clermont County's request. Those results are not part of the facility's post-closure monitoring program and are included in the report for reference only.

In accordance with US EPA requirements for the facility, the October 2015 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 event report and its determination of whether statistically significant evidence of contamination exists at the Aber Road Facility is being submitted within 90 days from the October 14, 2015 completion of the 2015 second semiannual sampling event; i.e., by January 12, 2016.

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

Sincerely,
CECOS International, Inc.

Daniel Deborde
Environmental Manager

Attachments: *Detection Monitoring Program, 2015 Second Semiannual Ground-Water Quality and Statistical Analysis Results, CECOS International, Inc. - Aber Road Facility*

cc: Jae Lee, US EPA Region 5 (w/attachment)
David Petrovski, US EPA Region 5 (w/attachment)
Steve Rabolt, Clermont County Administrator (w/attachment)
Joe Montello, Republic Services, Inc. (w/attachment)
Michael Gibson, Eagon & Associates, Inc. (w/o attachment)
File: B.3

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DETECTION MONITORING PROGRAM
2015 SECOND SEMIANNUAL
GROUND-WATER 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.
Worthington, Ohio

January 2016

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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.

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DETECTION MONITORING PROGRAM
2015 SECOND SEMIANNUAL
GROUND-WATER QUALITY AND
STATISTICAL ANALYSIS RESULTS
CECOS INTERNATIONAL, INC. – ABER ROAD FACILITY

1.0 INTRODUCTION

This report presents the 2015 second semiannual Detection Monitoring Program (DMP) ground-water sampling results for 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 2015 second semiannual DMP ground-water sampling event was completed on October 12 through 14, 2015. A supplemental event was performed on December 17, 2015 at wells MP-234R, MP-234AR, and MP-280. The purpose of that event was to evaluate the potential that metals results for wells MP-234R and MP-234AR had been inadvertently switched by the laboratory and to address a foaming issue with Method 8260 analysis for volatile organic compounds for well MP-280. Well MP-234R was resampled on January 4, 2016 to verify a statistical exceedance for dissolved barium identified for the December 2015 sampling event.

CECOS is presently performing ground-water 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, ground-water 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 2015 second semiannual DMP sampling event was performed in accordance with the facility's Ohio EPA-approved Post-Closure Plan (September 2014).

Biannual ground-water sampling was also performed for major cations and anions in October 2015. This event is performed at Clermont County's request and is for reference only. Biannual sampling for the major ions is not a component of the regulatory framework for the facility's RCRA post-closure program.

Included herein is a summary of the October 2015 semiannual sampling event, December 2015 supplemental sampling event, and January 2016 verification sampling event; along with the respective 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 December 2015 result for dissolved barium at MP-234R was determined to be an initial statistically significant result. The dissolved barium result from the January 2016 verification sampling did not confirm the December 2015 event result; therefore, no further action relative to barium at MP-234R is necessary and no confirmed statistically significant concentrations of any constituent were observed for the event.

1.1 Status of the Ground-Water 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 (BTI). Only the BTI is present in all areas (Figures 2 through 5).

The DMP ground-water 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. Lists of each well in each zone are included in Tables 1A through 1D.

The indicator constituents 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 September 2014 Post-Closure Plan. The indicator constituents for the Channel Sand and BTI zones are the VOCs evaluated for the Upper Sand and 880 Sand, plus the dissolved RCRA metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Confirmed detection of a VOC at or above its practical quantitation limit (PQL) in a point-of-compliance well is considered to be an indication that the facility may be affecting ground-water quality downgradient of a regulated unit. In accordance with the statistical analysis program, all point-of-compliance wells in each of the four monitoring horizons are evaluated for the indicator VOCs during each routine semiannual event. For the Channel Sand and BTI zones, statistical analysis also is performed for the dissolved RCRA metals at the point-of-compliance wells.

In addition to the post-closure ground-water monitoring activities, the DMP monitoring wells are sampled for 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). TOC is naturally occurring and is regularly detected in most wells. Consistent with past results, no PCBs were detected in any sample collected during the October 2015 event.

2.0 EVENT SUMMARY

2.1 Field Activities

Ground-water sampling activities conducted during the 2015 second semiannual sampling event were performed by Eagon. Site-wide water levels were measured on October 12, 2015. 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.

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. Monitoring wells were sampled immediately following purging in low-flow wells and were sampled when adequate recharge had occurred in wells that were purged dry.

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 during the routine semiannual event. Depth to water, pH, temperature, and specific conductance also were used to monitor stabilization during purging for all sampling events 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 during each event and the results of each calibration check are recorded on the field meter calibration forms, which are included in Appendices A, B, and C.

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 at the time water levels were collected during the October 2015 event. No monitoring well integrity issues were identified during the event. The results of complete well integrity inspections performed at each well are presented on inspection reports on file at the facility.

The field information forms and laboratory analytical data reports for the October 2015 semiannual sampling event, the December 2015 supplemental sampling event, and the January 2016 verification sampling event are included in Appendices A, B, and C, respectively. Water levels, purge information, sample observations, and field parameters measured during the events are included on the field information forms.

2.2 Water Levels and Ground-Water Flow

Ground-water flow conditions have been characterized for the 2015 second semiannual event using the October 12, 2015 water-level elevations measured in all 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 on Tables 1A through 1D, respectively.

Figure 2 shows the contoured water-level elevations and ground-water flow conditions observed across the site within the Upper Sand at the time of the October 2015 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 ground-water flow generally toward the south in the vicinity of the regulated units.

The ground-water flow velocity in the Upper Sand at the time of the October 2015 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 = 1.9 x 10^{-2} in October 2015; and n = 25%; the calculated average linear ground-water flow velocity in the Upper Sand in the vicinity of the regulated units was approximately 1.0 ft/d during the event.

Figure 3 shows the contoured water-level elevations and ground-water flow conditions observed across the site within the 880 Sand at the time of the event. As noted above for the Upper Sand, the 880 Sand also is not present where 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 ground-water 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: $K = 1.0 \times 10^{-2}$ cm/s (28.3 ft/d) (RFI); $i = 1.5 \times 10^{-2}$ in October 2015; and n = 25%; the calculated average linear ground-water flow velocity in the 880 Sand in the vicinity of the regulated units was approximately 1.7 ft/d during the event.

Figure 4 shows the contoured water-level elevations and ground-water flow conditions within the Channel Sand at the time of the sampling event. Water levels and flow orientations were generally consistent with previous observations. The ground-water flow direction in the Channel Sand zone 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); $i = 3.6 \times 10^{-4}$ in October 2015; and n = 25%; the calculated average linear ground-water flow velocity in the Channel Sand in the vicinity of the regulated units was approximately 0.4 ft/d during the event.

Figure 5 shows the contoured water-level elevations and ground-water flow conditions observed across the site within the Bedrock-Till Interface (BTI) at the time of the October 2015 event. October 2015 water levels and flow orientations were generally consistent with previous observations. The ground-water flow direction in the BTI varied 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 x 10^{-5} cm/s (0.14 ft/d) (RFI); i = 4.7 x 10^{-3} in October 2015; and n = 20%; the calculated average linear ground-water flow velocity in the BTI in the vicinity of the regulated units was approximately 3.3 x 10^{-3} ft/d during the event.

The adequacy of well placement in the ground-water monitoring network has been evaluated using the October 2015 ground-water flow conditions and the requirements of OAC Rule 3745-54-97(A). Based upon that review, the ground-water 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 results (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 reports included in Appendices A, B, and C. All laboratory analyses of ground-water samples were performed by TestAmerica Laboratories (TAL) in Amherst, New York. All field analyses were performed by Eagon & Associates, Inc. personnel.

The dissolved metals results reported for BTI well MP-234R and 880 Sand well MP-234AR for the routine October 2015 event were not consistent with historical results. Upon further review, it was determined by Eagon that the results were reversed based on the comparison of historical results for each well. The results for these wells for parameters other than dissolved metals are consistent with historic data and are considered representative. Although the respective metals results were not reflective of each well's water quality, the laboratory could not conclusively verify whether the sample bottles for these wells had been switched because the original sample volumes had already been discarded when the discrepancy was identified in December. Therefore, the

laboratory's quality assurance protocols dictated that they report the results without qualification. Based on subsequent data review and validation by Eagon, because the discrepancies with historical concentrations for the quantified metals (e.g., arsenic and barium) between these two wells were found to be significantly different than the reported October 2015 results, and because each well's reported results resembled the historical datasets for the other well, the dissolved metals results reported by the laboratory for the October event have been rejected ("R" flagged, where applicable), are not considered representative, and were not used for statistical evaluation. Instead, the dissolved metals results for MP-234R and MP-234AR from the December 2015 supplemental sampling event comprise the initial compliance results for the event. The December 2015 barium result for MP-234R was statistically significant and the well was resampled in January 2016. The January 2016 result for dissolved barium at MP-234R represents the verification sampling event for that well.

Duplicate samples were collected from monitoring wells MP-213A, MP-286C, and MP-401A. 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, 3, and 4 and were below 20 percent 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. No constituents analyzed were detected in the field blank at or above their respective PQLs.

A trip blank prepared by the laboratory was analyzed for VOCs. No VOCs were detected at or above their respective PQLs in the trip blank.

Laboratory QA/QC was evaluated internally by laboratory personnel and a summary narrative of that evaluation is included in Appendix A. No significant QA/QC issues were noted by the laboratory. Foaming for method 8260 from the sample collected from well MP-280 in October 2015 was observed by the laboratory. A dilution was required as a result. This well was resampled

for method 8260 during the supplemental sampling event in December 2015 using unpreserved sample vials. The unpreserved samples did not foam or require dilution and are considered more representative than the original samples collected in October. As is already the practice for MP-404, to prevent future issues with foaming at MP-280, samples for Method 8260 analysis will be collected using unpreserved vials. No other analysis issues were identified for the event and all results are considered representative, unless otherwise noted previously.

The field and laboratory analytical results from the monitoring wells for the October 2015, December 2015 supplemental, and January 2016 verification sampling events will be entered into the facility's annual reporting database.

3.0 STATISTICAL ANALYSIS

Statistical analysis of the 2015 second 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 (September 2014). The October 2015 and December 2015 (MP-234R only) 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 analysis was performed via the comparison of the October 2015, December 2015, and January 2016 verification sampling results to intrawell prediction limits calculated for the dissolved indicator metals using the *Sanitas*™ statistical software package. The VOC results were compared to their respective PQLs.

3.1 Background Data

The intrawell statistical methods used to evaluate the downgradient ground-water detection dissolved metals results at the Aber Road facility involve comparisons between monitoring data collected during a "background" period to future sampling results from the same well to determine if the results are statistically significant. Background sampling for VOCs is not performed. VOCs instead are compared to their respective PQLs. Current summary background statistics computed for each downgradient well are presented in Appendix D.

3.2 Statistical Analysis of October 2015 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 are presented in Appendix D. No confirmed statistically significant concentrations were identified for any dissolved metal for the 2015 second semiannual monitoring event. The initial (December 2015) dissolved barium result for well MW-234R was statistically significant with a concentration of 0.052 mg/L that slightly exceeded the prediction limit of 0.051 ug/L. Confirmation sampling for dissolved barium was conducted January 4, 2016 and the result was 0.047 mg/L; therefore, the resampling result did not confirm the initial statistically significant result.

As with past events, arsenic and barium were detected at most wells. Cadmium, chromium, lead, mercury, selenium, and silver were not detected above their PQLs at any Channel Sand or BTI monitoring well during the event. Arsenic and barium are naturally occurring in the Channel Sand and BTI saturated zones underlying 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.

The results of the comparisons of the VOC results to their respective PQLs at the downgradient monitoring wells are summarized on 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 during the 2015 second semiannual monitoring 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 2015 second semiannual 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 E (Upper Sand) and Appendix F (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.

As shown on the time-series plots, the metals results from the 2015 second semiannual event were generally within the range of previously observed concentrations in both the Upper Sand and 880 Sand. Naturally occurring arsenic and barium are routinely detected in the majority of Upper Sand and 880 Sand wells (Appendices E and F).

There were no detections of any other metals at or above their respective PQLs in the 880 Sand or Upper Sand monitoring wells during the event. Based on the review of the October

2015 sampling results, no additional evaluation of the Upper Sand and 880 Sand monitoring zones is warranted at this time.

5.0 MAJOR ION RESULTS FROM ALL WELLS

As requested by Clermont County, biannual (every two years) sampling for major anions and cations was performed during the October 2015 event. The results of the major ion analyses at each well are summarized on Tables 2 through 5 and are for reference only. Sampling for the major ions is not part of the RCRA post-closure monitoring program for the facility. The results may be utilized in evaluating future potential changes in ground-water quality over time, if deemed appropriate.

6.0 SUMMARY

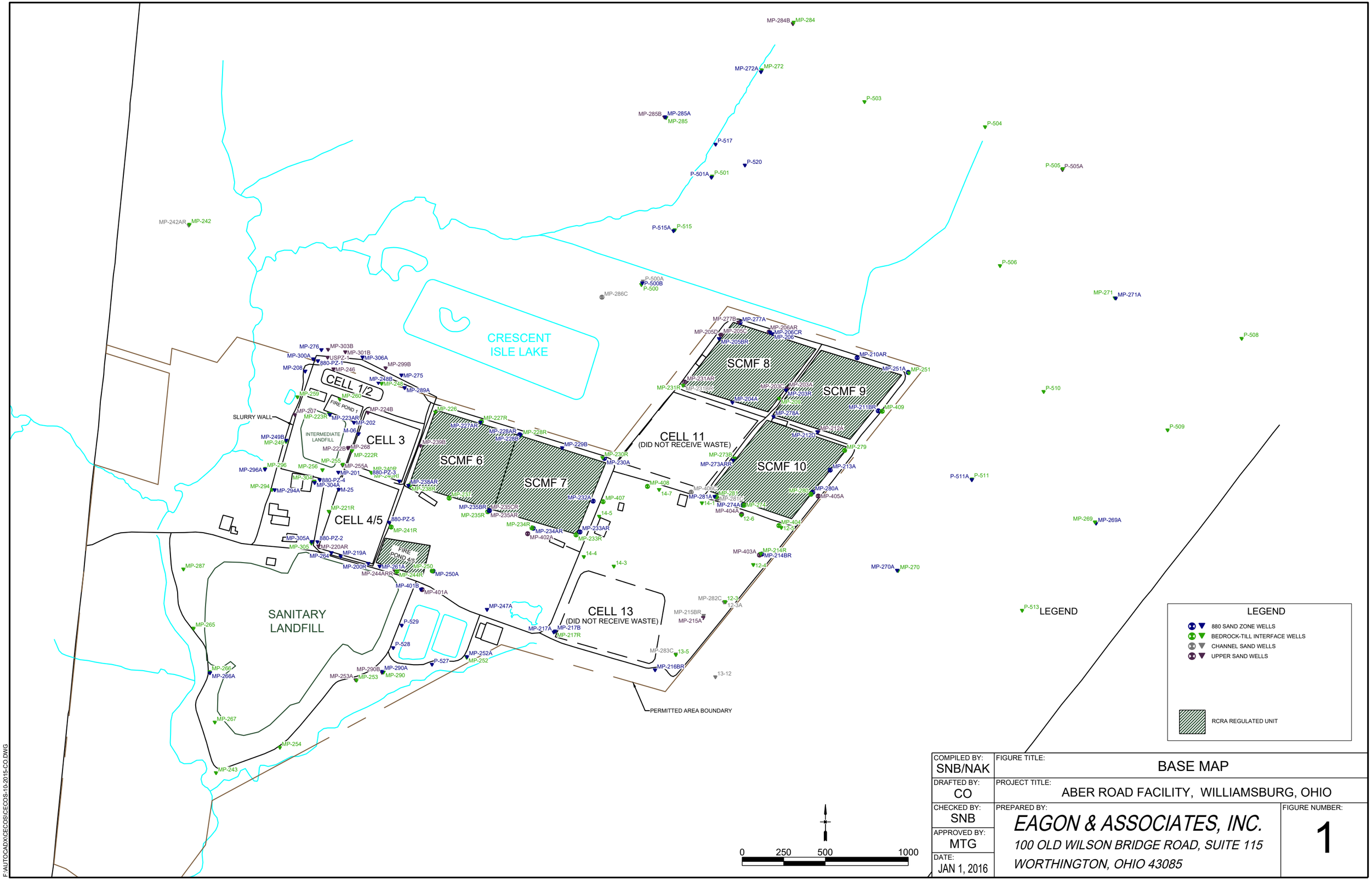
The 2015 second semiannual DMP ground-water quality sampling results indicate that no confirmed statistically significant concentrations of the indicator constituents were present at any well downgradient of the regulated units at the Aber Road facility during the event.

October 2015 sampling results for TOC and PCBs for all 45 DMP monitoring wells are presented herein in Appendix A. TOC and PCBs are analyzed during routine DMP sampling events in accordance with the facility's TSCA monitoring requirements. No PCBs were detected in any DMP monitoring well during the event.

The biannual sampling for major ions requested by Clermont County was completed during the October 2015 event. The results are summarized on Tables 2 through 5 and presented in Appendix A.

The next routine semiannual DMP ground-water sampling event is tentatively scheduled for April 2016.

FIGURES



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CHECKED BY: SNB	PREPARED BY: *EAGON & ASSOCIATES, INC.* *100 OLD WILSON BRIDGE ROAD, SUITE 115* *WORTHINGTON, OHIO 43085*
APPROVED BY: MTG	FIGURE NUMBER: 1
DATE: JAN 1, 2016	

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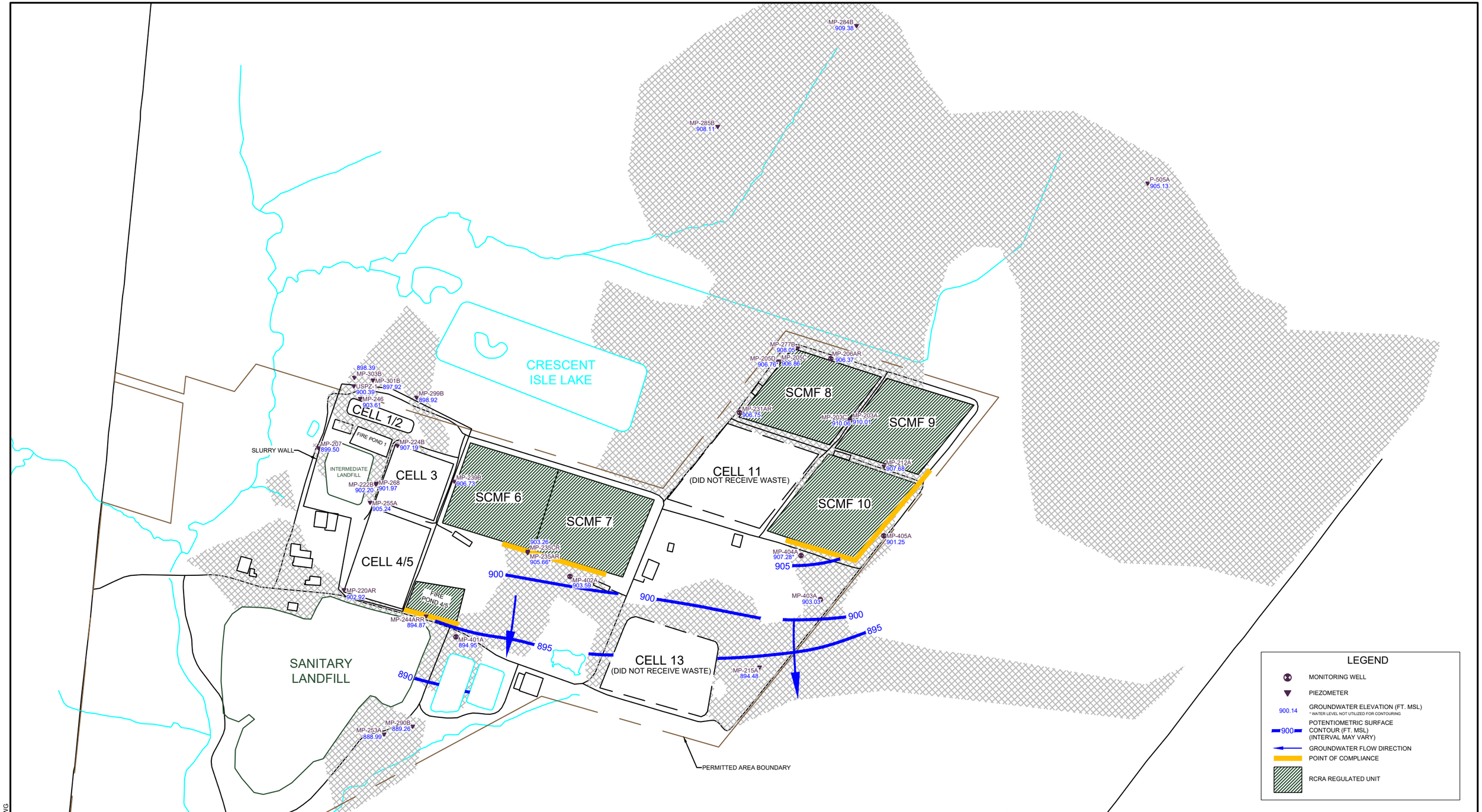

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APPROVED BY: MTG		
DATE: JAN 1, 2016		

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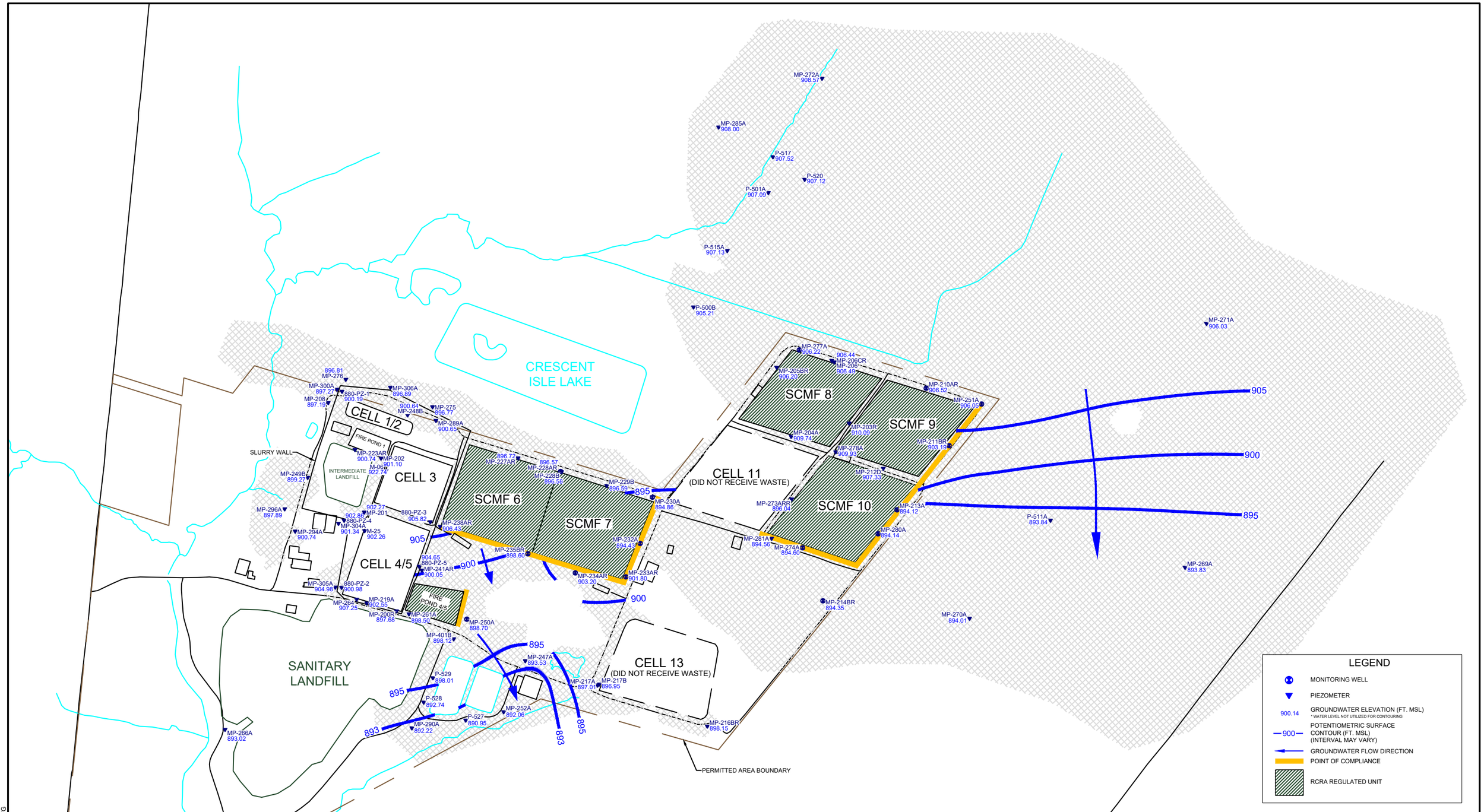

COMPILED BY: SNB/NAK	FIGURE TITLE: POTENTIOMETRIC SURFACE OF THE 880 SAND ZONE, OCTOBER 12, 2015	
DRAFTED BY: CO	PROJECT TITLE: ABER ROAD FACILITY, WILLIAMSBURG, OHIO	
CHECKED BY: SNB	PREPARED BY: *EAGON & ASSOCIATES, INC.* *100 OLD WILSON BRIDGE ROAD, SUITE 115* *WORTHINGTON, OHIO 43085*	FIGURE NUMBER: 3
APPROVED BY: MTG		
DATE: JAN 1, 2016		

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COMPILED BY: SNB/NAK	FIGURE TITLE: POTENTIOMETRIC SURFACE OF THE CHANNEL SAND ZONE, OCTOBER 12, 2015	
DRAFTED BY: CO	PROJECT TITLE: ABER ROAD FACILITY, WILLIAMSBURG, OHIO	
CHECKED BY: SNB	PREPARED BY: *EAGON & ASSOCIATES, INC.* *100 OLD WILSON BRIDGE ROAD, SUITE 115* *WORTHINGTON, OHIO 43085*	FIGURE NUMBER: 4
APPROVED BY: MTG		
DATE: JAN 1, 2016		

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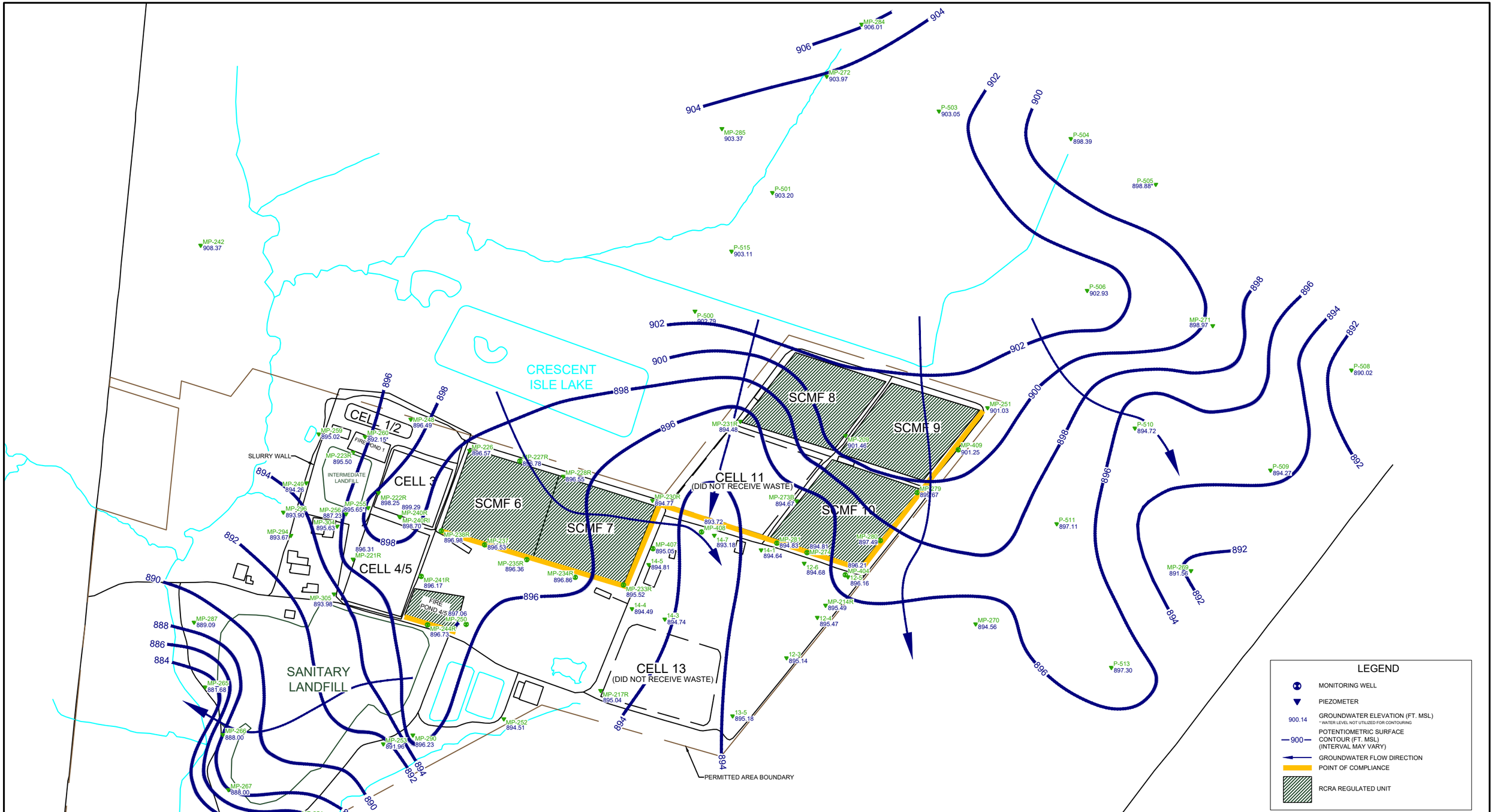

COMPILED BY: SNB/NAK	FIGURE TITLE: POTENTIOMETRIC SURFACE OF THE BEDROCK-TILL INTERFACE, OCTOBER 12, 2015
DRAFTED BY: CO	PROJECT TITLE: ABER ROAD FACILITY, WILLIAMSBURG, OHIO
CHECKED BY: SNB	PREPARED BY: *EAGON & ASSOCIATES, INC.* *100 OLD WILSON BRIDGE ROAD, SUITE 115* *WORTHINGTON, OHIO 43085*
APPROVED BY: MTG	FIGURE NUMBER: 5
DATE: JAN 1, 2016	

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TABLES

TABLE 1A.
MEASURED WATER LEVELS IN THE UPPER SAND ZONE
OCTOBER 12, 2015
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Ground-Water Elevation (ft, MSL)	Notes
MP-203A	PZ	928.74	10:58	18.73	910.01	
MP-203C	PZ	927.60	10:59	17.54	910.06	
MP-205C	PZ	915.36	10:33	8.50	906.86	
MP-205D	PZ	915.73	10:31	8.97	906.76	
MP-206AR	MW	916.73	10:10	10.36	906.37	
MP-207	MW	906.54	09:07	7.04	899.50	
MP-212A	PZ	913.30	09:47	5.62	907.68	
MP-215A	MW	909.11	08:55	14.63	894.48	
MP-220AR	PZ	910.10	11:18	7.18	902.92	
MP-222B	MW	910.09	11:12	7.89	902.20	Lowered TOC 0.36' 10/2014
MP-224B	MW	913.83	10:58	6.64	907.19	
MP-231AR	MW	915.73	10:37	8.98	906.75	
MP-235AR	PZ	913.53	09:53	7.87	905.66	
MP-235CR	MW	914.66	09:51	11.40	903.26	
MP-239B	MW	915.58	10:35	8.85	906.73	
MP-244ARR	MW	909.82	11:02	14.95	894.87	
MP-246	MW	908.59	09:50	4.98	903.61	
MP-253A	PZ	900.34	09:10	11.35	888.99	
MP-255A	PZ	910.82	11:46	5.58	905.24	
MP-268	PZ	910.12	11:12	8.15	901.97	
MP-277B	PZ	915.56	10:19	7.51	908.05	
MP-284B	PZ	913.31	10:50	3.93	909.38	
MP-285B	PZ	915.27	10:34	7.16	908.11	
MP-290B	MW	898.71	09:15	9.45	889.26	Resurveyed 7/2004
MP-299B	PZ	911.62	10:02	12.70	898.92	
MP-301B	PZ	907.90	09:58	9.98	897.92	Resurveyed 2/2006
MP-303B	MW	906.24	09:45	7.85	898.39	
MP-401A	MW	906.37	10:45	11.42	894.95	
MP-402A	MW	908.42	10:01	4.83	903.59	
MP-403A	MW	912.37	09:07	9.34	903.03	
MP-404A	MW	915.09	09:11	7.81	907.28	
MP-405A	MW	911.02	09:22	9.77	901.25	
P-505A	PZ	915.97	09:55	10.84	905.13	
USPZ-1	PZ	908.00	09:47	7.61	900.39	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1B.
MEASURED WATER LEVELS IN THE 880 SAND ZONE
OCTOBER 12, 2015
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Ground-Water Elevation (ft, MSL)	Notes
880-PZ1	PZ	908.49	09:34	8.30	900.19	
880-PZ2	PZ	907.11	11:21	6.13	900.98	
880-PZ3	PZ	915.45	10:31	9.63	905.82	
880-PZ4	PZ	909.45	11:28	6.59	902.86	Resurveyed 11/2007
880-PZ5	PZ	914.42	10:43	9.77	904.65	
M-06	PZ	932.75	11:06	10.01	922.74	
M-25	PZ	913.32	11:21	11.06	902.26	Resurveyed 4/2011
MP-200R	PZ	913.79	11:07	16.11	897.68	
MP-201	PZ	909.86	11:17	7.59	902.27	
MP-202	MW	911.89	11:01	10.79	901.10	
MP-203R	PZ	927.77	11:01	17.68	910.09	
MP-204A	PZ	917.16	10:46	7.42	909.74	
MP-205BR	PZ	914.62	10:29	8.42	906.20	
MP-206	PZ	915.99	10:12	9.50	906.49	
MP-206CR	PZ	915.31	10:11	8.87	906.44	
MP-208	MW	907.57	09:25	10.38	897.19	
MP-210AR	MW	912.83	10:05	6.31	906.52	
MP-211BR	MW	911.09	09:52	7.90	903.19	
MP-212D	PZ	912.48	09:45	5.15	907.33	
MP-213A	MW	912.98	09:33	18.86	894.12	
MP-214BR	MW	910.29	09:08	15.94	894.35	
MP-216BR	MW	911.36	08:44	13.21	898.15	
MP-217A	PZ	914.14	09:33	17.13	897.01	
MP-217B	PZ	914.24	09:34	17.29	896.95	
MP-219A	MW	912.34	11:11	9.79	902.55	
MP-223AR	PZ	910.63	09:13	9.89	900.74	
MP-227AR	PZ	912.12	10:28	15.40	896.72	
MP-228AR	MW	911.64	10:24	15.07	896.57	
MP-228B	PZ	911.34	10:25	14.76	896.58	
MP-229B	PZ	910.63	10:21	14.04	896.59	
MP-230A	MW	908.75	10:17	13.89	894.86	Resurveyed 7/2004
MP-232A	MW	909.75	10:10	15.32	894.43	
MP-233AR	MW	907.44	10:04	5.64	901.80	
MP-234AR	MW	910.90	09:59	7.70	903.20	
MP-235BR	MW	914.50	09:52	15.90	898.60	
MP-238AR	MW	916.36	10:26	9.93	906.43	
MP-241AR	MW	916.39	10:44	16.34	900.05	Resurveyed 11/2007
MP-247A	PZ	908.47	10:48	14.94	893.53	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1B.
MEASURED WATER LEVELS IN THE 880 SAND ZONE
OCTOBER 12, 2015
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Ground-Water Elevation (ft, MSL)	Notes
MP-248B	MW	909.77	10:06	9.13	900.64	
MP-249B	MW	903.68	09:04	4.41	899.27	
MP-250A	MW	910.24	10:52	11.54	898.70	
MP-251A	MW	911.54	10:00	5.49	906.05	
MP-252A	MW	894.88	09:28	2.82	892.06	
MP-261A	PZ	912.36	11:05	13.86	898.50	
MP-264	PZ	909.85	11:15	2.60	907.25	
MP-266A	PZ	899.54	08:54	6.52	893.02	
MP-269A	PZ	912.62	09:32	18.79	893.83	
MP-270A	PZ	911.54	09:26	17.53	894.01	Resurveyed 7/2004
MP-271A	PZ	914.14	09:50	8.11	906.03	
MP-272A	PZ	913.37	10:43	4.80	908.57	
MP-273ARR	PZ	932.26	11:09	36.22	896.04	Surveyed 11/19/2009
MP-274A	MW	912.78	09:09	18.18	894.60	Resurveyed 7/2004
MP-275	MW	911.89	10:17	15.12	896.77	
MP-276	MW	906.81	09:42	10.00	896.81	
MP-277A	MW	915.24	10:17	9.02	906.22	
MP-278A	PZ	919.23	10:50	9.30	909.93	
MP-280A	MW	912.28	09:28	18.14	894.14	Resurveyed 7/2004
MP-281A	PZ	913.69	09:02	19.13	894.56	
MP-285A	PZ	916.14	10:32	8.14	908.00	
MP-289A	PZ	913.33	10:19	12.68	900.65	
MP-290A	PZ	899.09	09:16	6.87	892.22	Resurveyed 7/2004
MP-294A	PZ	905.35	08:51	4.61	900.74	
MP-296A	PZ	902.90	08:55	5.01	897.89	
MP-300A	PZ	907.33	09:35	10.06	897.27	
MP-304A	MW	908.42	11:31	7.08	901.34	
MP-305A	MW	908.11	11:25	3.13	904.98	
MP-306A	MW	911.34	09:59	14.45	896.89	
MP-401B	MW	906.56	10:44	8.44	898.12	
P-500B	PZ	914.82	11:23	9.61	905.21	
P-501A	PZ	913.93	10:14	6.84	907.09	
P-511A	PZ	913.52	09:38	19.68	893.84	Resurveyed 7/2004
P-515A	PZ	913.01	10:07	5.88	907.13	
P-517	PZ	912.34	10:19	4.82	907.52	Resurveyed 4/2011
P-520	PZ	914.77	10:58	7.65	907.12	
P-527	PZ	894.90	09:25	3.95	890.95	
P-528	PZ	900.31	09:20	7.57	892.74	
P-529	PZ	902.51	09:22	4.50	898.01	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1C.
MEASURED WATER LEVELS IN THE CHANNEL SAND ZONE
OCTOBER 12, 2015
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Ground-Water Elevation (ft, MSL)	Notes
12-3A	PZ	910.50	09:01	15.92	894.58	
13-12	PZ	913.13	08:47	18.38	894.75	
MP-215BR	MW	909.99	08:56	15.31	894.68	
MP-231BR	PZ	917.95	10:39	22.95	895.00	
MP-242AR	PZ	909.42	11:35	13.25	896.17	
MP-281C	MW	914.12	09:00	19.40	894.72	
MP-282C	PZ	911.37	08:58	16.71	894.66	
MP-283C	PZ	915.34	08:48	20.68	894.66	
MP-286C	MW	914.59	11:19	19.43	895.16	
MP-406C	MW	917.40	08:52	22.32	895.08	
P-500A	PZ	915.99	11:25	20.51	895.48	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1D.
MEASURED WATER LEVELS IN THE BEDROCK-TILL INTERFACE
OCTOBER 12, 2015
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Ground-Water Elevation (ft, MSL)	Notes
12-3	PZ	910.04	09:02	14.90	895.14	
12-4	PZ	911.99	09:05	16.52	895.47	
12-5	PZ	910.04	09:19	13.88	896.16	
12-6	PZ	914.67	09:12	19.99	894.68	
13-5	PZ	914.92	09:19	19.74	895.18	
14-1	PZ	917.02	08:55	22.38	894.64	Lowered TOC 0.12' (3/13)
14-3	PZ	908.12	09:42	13.38	894.74	
14-4	PZ	911.16	09:39	16.67	894.49	
14-5	PZ	910.09	10:08	15.28	894.81	Lowered TOC 0.11' (3/13)
14-7	PZ	917.05	08:47	23.87	893.18	
MP-209	PZ	923.14	10:53	21.68	901.46	
MP-214R	PZ	910.86	09:09	15.37	895.49	
MP-217R	PZ	912.91	09:32	17.87	895.04	
MP-221R	PZ	910.54	11:27	14.23	896.31	
MP-222R	PZ	911.89	11:11	13.64	898.25	
MP-223R	PZ	910.05	09:11	14.55	895.50	
MP-226	PZ	913.85	10:32	17.28	896.57	
MP-227R	MW	913.00	10:29	16.22	896.78	
MP-228R	PZ	911.41	10:26	14.86	896.55	
MP-230R	PZ	908.28	10:15	13.51	894.77	Resurveyed 7/2004
MP-231R	PZ	916.06	10:42	21.58	894.48	
MP-233R	MW	907.00	10:05	11.48	895.52	
MP-234R	MW	911.88	09:57	15.02	896.86	
MP-235R	MW	914.84	09:50	18.48	896.36	
MP-237	MW	913.68	09:45	17.15	896.53	
MP-238R	MW	915.31	10:28	18.33	896.98	
MP-240R	PZ	923.97	10:34	24.68	899.29	
MP-240R1	PZ	922.46	10:36	23.76	898.70	
MP-241R	MW	913.57	10:45	17.40	896.17	
MP-242	PZ	908.37	11:36	(0.00)	908.37	flowing
MP-243	PZ	883.37	09:04	(0.00)	883.37	
MP-244R	MW	909.73	11:00	13.00	896.73	
MP-248	PZ	909.81	10:05	13.32	896.49	
MP-249	PZ	904.29	09:02	10.03	894.26	
MP-250	MW	910.07	10:54	13.01	897.06	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1D.
MEASURED WATER LEVELS IN THE BEDROCK-TILL INTERFACE
OCTOBER 12, 2015
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Ground-Water Elevation (ft, MSL)	Notes
MP-251	PZ	910.99	10:02	9.96	901.03	
MP-252	MW	894.59	09:26	0.08	894.51	
MP-253	PZ	901.36	09:11	9.40	891.96	
MP-254	PZ	886.47	09:06	0.54	885.93	
MP-255	PZ	909.81	11:15	14.16	895.65	
MP-256	PZ	909.57	11:25	22.34	887.23	
MP-259	PZ	904.17	11:40	9.15	895.02	
MP-260	PZ	911.12	09:17	18.97	892.15	
MP-265	PZ	886.34	08:51	4.66	881.68	
MP-266	PZ	899.14	08:53	11.14	888.00	
MP-267	PZ	891.68	08:56	3.68	888.00	
MP-269	PZ	912.79	09:34	21.23	891.56	
MP-270	MW	911.94	09:25	17.38	894.56	Resurveyed 7/2004
MP-271	PZ	914.70	09:52	15.73	898.97	
MP-272	PZ	912.79	10:45	8.82	903.97	
MP-273B	PZ	932.17	11:07	37.50	894.67	
MP-274	MW	912.20	09:08	17.39	894.81	Resurveyed 7/2004
MP-279	MW	910.36	09:38	10.69	899.67	
MP-280	MW	912.49	09:26	15.00	897.49	
MP-281	MW	913.53	09:01	18.70	894.83	
MP-284	PZ	913.43	10:49	7.42	906.01	
MP-285	PZ	915.37	10:31	12.00	903.37	
MP-287	PZ	889.18	08:49	0.09	889.09	
MP-290	PZ	898.20	09:17	1.97	896.23	Resurveyed 7/2004
MP-294	PZ	906.14	08:50	12.47	893.67	
MP-296	PZ	902.87	08:55	8.97	893.90	
MP-304	MW	908.36	11:32	12.73	895.63	
MP-305	MW	907.74	11:24	13.76	893.98	
MP-404	MW	912.75	09:17	16.54	896.21	
MP-407	MW	910.31	10:12	15.26	895.05	
MP-408	MW	916.41	08:44	22.69	893.72	
MP-409	MW	911.83	09:50	10.58	901.25	
P-500	PZ	914.68	11:22	11.89	902.79	
P-501	PZ	914.30	10:15	11.10	903.20	
P-503	PZ	916.15	11:07	13.10	903.05	
P-504	PZ	915.71	11:09	17.32	898.39	
P-505	PZ	916.40	09:56	17.52	898.88	
P-506	PZ	916.06	10:00	13.13	902.93	
P-508	PZ	913.19	09:48	23.17	890.02	

Note: PZ = piezometer; MW = monitoring well.

TABLE 1D.
MEASURED WATER LEVELS IN THE BEDROCK-TILL INTERFACE
OCTOBER 12, 2015
CECOS-ABER ROAD FACILITY

Well ID	Use	Top of Casing Elevation (ft, MSL)	Time	Depth to Water (ft)	Ground-Water Elevation (ft, MSL)	Notes
P-509	PZ	909.97	09:45	15.70	894.27	
P-510	PZ	914.17	09:42	19.45	894.72	
P-511	PZ	913.22	09:37	16.11	897.11	Resurveyed 7/2004
P-513	PZ	912.76	09:28	15.46	897.30	
P-515	PZ	913.13	10:08	10.02	903.11	

Note: PZ = piezometer; MW = monitoring well.

TABLE 2.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
UPPER SAND ZONE
OCTOBER 2015
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-206AR 10/12/2015	MP-231AR 10/13/2015	MP-235CR 10/13/2015	MP-244ARR 10/14/2015	MP-401A 10/14/2015	Duplicate-DMP-3 10/14/2015	RPD (%)	MP-402A 10/14/2015	MP-403A 10/14/2015	MP-404A 10/13/2015	MP-405A 10/13/2015
Arsenic, Dissolved	mg/L	0.0014	**0.0023**	<0.001	**0.0016**	**0.0015**	**0.0016**	6.4	**0.016**	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	**0.0098**	**0.005**	**0.01**	**0.061**	**0.038**	**0.038**	0	**0.014**	**0.014**	**0.049**	**0.014**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0	<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	<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	<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	<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	<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	<0.003	<0.003	<0.003	<0.003
VOCs	ug/L	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	ND
Alkalinity, Total	mg/L	343	299	520	488	466	465	0.2	453	502	408	535
Bicarbonate ($CaCO_3$)*	mg/L	343	299	520	488	466	465	0	453	502	408	535
Calcium, Dissolved	mg/L	549	469	173	132	172	175	1.7	240	275	80.0	283
Carbonate ($CaCO_3$)*	mg/L	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	ND
Chloride	mg/L	17.7	15.2	16.7	42.6	102	101	1.0	23	5.8	6.0	48.5
Magnesium, Dissolved	mg/L	118	201	91	67.3	80.6	81.7	1.4	103	164	51.6	201
Potassium, Dissolved	mg/L	6.6	5.6	2.5	1.4	1.9	1.9	0	3.9	3.3	9.8	2.9
Sodium, Dissolved	mg/L	57.2	78.2	122	46.5	85.7	87.0	1.5	247	192	73.6	132
Sulfate	mg/L	1510	1750	499	193	372	360	3.3	1040	1150	148	1150

ND - no detections at or above PQL.
* Concentrations calculated using alkalinity results.

TABLE 3.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
880 SAND ZONE
OCTOBER 2015
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-210AR 10/13/2015	MP-211BR 10/13/2015	MP-213A 10/13/2015	Duplicate-DMP-1 10/13/2015	RPD (%)	MP-214BR 10/14/2015	MP-228AR 10/14/2015	MP-230A 10/14/2015	MP-232A 10/14/2015	MP-233AR 10/14/2015
Arsenic, Dissolved	mg/L	**0.0027**	<0.001	<0.001	<0.001	0	**0.0027**	**0.0076**	**0.004**	**0.0068**	**0.009**
Barium, Dissolved	mg/L	**0.056**	**0.040**	**0.026**	**0.026**	0	**0.0081**	**0.026**	**0.037**	**0.029**	**0.022**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	<0.001	0	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	0	<0.005	<0.005	<0.005	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	<0.005	0	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	0	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	<0.015	0	<0.015	<0.015	<0.015	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	<0.003	0	<0.003	<0.003	<0.003	<0.003	<0.003
VOCs	ug/L	ND	ND	ND	ND	0	ND	ND	ND	ND	ND
Alkalinity, Total	mg/L	378	416	522	522	0	487	424	352	436	434
Bicarbonate ($CaCO_3$)*	mg/L	378	416	522	522	0	487	424	352	436	434
Calcium, Dissolved	mg/L	91.5	98.7	500	503	0.6	265	146	124	166	161
Carbonate ($CaCO_3$)*	mg/L	ND	ND	ND	ND	0	ND	ND	ND	ND	ND
Chloride	mg/L	9.3	17.7	24.2	20.6	16.1	20.7	30.1	18.7	59.8	22.7
Magnesium, Dissolved	mgL	32.5	33.0	129	131	1.5	157	62.5	52.4	71.1	61.7
Potassium, Dissolved	mg/L	3.8	5.0	4.7	4.8	2.1	3.8	1.9	2.8	2.4	2.2
Sodium, Dissolved	mg/L	64.3	66.4	70.3	72.0	2.4	126	59.9	56.4	67.5	65.7
Sulfate	mg/L	117	123	1360	1310	3.7	1230	301	258	343	388

ND - no detections at or above PQL.
* Concentrations calculated using alkalinity results.

TABLE 3.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
880 SAND ZONE
OCTOBER 2015
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-234AR		MP-235BR	MP-250A	MP-251A	MP-274A	MP-277A	MP-280A	MP-401B
		10/14/2015	12/17/2015	10/13/2015	10/14/2015	10/14/2015	10/14/2015	10/12/2015	10/13/2015	10/14/2015
Arsenic, Dissolved	mg/L	**0.0082 R**	**0.0040**	**0.0031**	**0.0052**	**0.0026**	**0.076**	**0.0089**	**0.019**	**0.0056**
Barium, Dissolved	mg/L	**0.052 R**	**0.010**	**0.012**	**0.033**	**0.011**	**0.026**	**0.027**	**0.025**	**0.042**
Cadmium, Dissolved	mg/L	<0.001 R	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005 R	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005 R	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002 R	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015 R	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003 R	<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
Alkalinity, Total	mg/L	453	--	473	445	373	404	355	426	453
Bicarbonate ($CaCO_3$)*	mg/L	453	--	473	445	373	404	355	426	453
Calcium, Dissolved	mg/L	162 R	351	196	131	70.7	154	181	219	132
Carbonate ($CaCO_3$)*	mg/L	ND	--	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	19.1	--	17.2	11.5	26.5	21.3	17.3	18.5	14.1
Magnesium, Dissolved	mgL	92.6 R	165	98.3	61.6	33.3	59.8	60.3	61.7	61.1
Potassium, Dissolved	mg/L	15.9 R	5.0	3.3	4.3	4.0	2.7	4.7	3.7	2.7
Sodium, Dissolved	mg/L	480 R	118	115	64.5	53.6	77.4	63.8	62.4	58.9
Sulfate	mg/L	1230	--	620	289	47.3	359	463	515	261

ND - no detections at or above PQL.
* Concentrations calculated using alkalinity results.
R - rejected.

TABLE 4.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
CHANNEL SAND ZONE
OCTOBER 2015
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-281C 10/14/2015	MP-286C 10/13/2015	Duplicate-DMP-2 10/13/2015	RPD (%)	MP-406C 10/13/2015
Arsenic, Dissolved	mg/L	**0.0043**	**0.0039**	**0.0036**	8.0	**0.0038**
Barium, Dissolved	mg/L	**0.053**	**0.14**	**0.13**	7.4	**0.15**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001	0	<0.001
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005	0	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005	0	<0.005
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002	0	<0.0002
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015	0	<0.015
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003	0	<0.003
VOCs	ug/L	ND	ND	ND	0	ND
Alkalinity, Total	mg/L	397	399	399	0	381
Bicarbonate ($CaCO_3$)*	mg/L	397	399	399	0	381
Calcium, Dissolved	mg/L	116	70.3	69.2	1.6	79.2
Carbonate ($CaCO_3$)*	mg/L	ND	ND	ND	0	ND
Chloride	mg/L	38.9	58.6	60.4	3.0	58.3
Magnesium, Dissolved	mg/L	41.3	43.6	43.1	1.2	30.6
Potassium, Dissolved	mg/L	2.9	3.3	3.2	3.1	3.6
Sodium, Dissolved	mg/L	73	86.2	85.0	1.4	74.9
Sulfate	mg/L	173	90.7	91.8	1.2	53.1

ND - no detections at or above PQL.
* Concentrations calculated using alkalinity results.

TABLE 5.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
BEDROCK-TILL INTERFACE
OCTOBER 2015
CECOS - ABER ROAD FACILITY

		MP-227R	MP-233R	MP-234R			MP-235R	MP-237	MP-238R	MP-241R	MP-244R
Constituent	**Units**	**10/13/2015**	**10/14/2015**	**10/14/2015**	**12/17/2015**	**1/4/2016**	**10/13/2015**	**10/13/2015**	**10/13/2015**	**10/14/2015**	**10/14/2015**
Arsenic, Dissolved	mg/L	**0.0028**	**0.0055**	**0.0029 R**	**0.0092**	**--**	**0.0028**	**0.0012**	<0.001	**0.0019**	**0.0014**
Barium, Dissolved	mg/L	**0.021**	**0.45**	**0.0097 R**	**0.052**	**0.047**	**0.039**	**0.027**	**0.042**	**0.043**	**0.021**
Cadmium, Dissolved	mg/L	<0.001	<0.001	<0.001 R	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium, Dissolved	mg/L	<0.005	<0.005	<0.005 R	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005
Lead, Dissolved	mg/L	<0.005	<0.005	<0.005 R	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury, Dissolved	mg/L	<0.0002	<0.0002	<0.0002 R	<0.0002	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium, Dissolved	mg/L	<0.015	<0.015	<0.015 R	<0.015	--	<0.015	<0.015	<0.015	<0.015	<0.015
Silver, Dissolved	mg/L	<0.003	<0.003	<0.003 R	<0.003	--	<0.003	<0.003	<0.003	<0.003	<0.003
VOCs	ug/L	ND	ND	ND	--	--	ND	ND	ND	ND	ND
Alkalinity, Total	mg/L	205	274	185	--	--	255	277	285	250	281
Bicarbonate ($CaCO_3$)*	mg/L	205	274	185	--	--	255	277	285	250	281
Calcium, Dissolved	mg/L	40.7	71.8	343 R	173	--	75.4	52.8	55.6	34.7	57.6
Carbonate ($CaCO_3$)*	mg/L	ND	ND	ND	--	--	ND	ND	ND	ND	ND
Chloride	mg/L	42.8	461	1210	--	--	295	115	19.3	71.1	175
Magnesium, Dissolved	mg/L	46.4	42.9	160 R	99.1	--	44.2	33.3	32.7	26	33.7
Potassium, Dissolved	mg/L	8.8	5.5	5.3 R	17.5	--	9.9	6.8	4.3	4.8	8.5
Sodium, Dissolved	mg/L	54.9	224	113 R	565	--	153	109	79.2	97.2	150
Sulfate	mg/L	131	<2	117	--	--	96.9	101	166	86.5	139

ND - no detections at or above PQL.
* Concentrations calculated using alkalinity results.
R - rejected.

TABLE 5.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
BEDROCK-TILL INTERFACE
OCTOBER 2015
CECOS - ABER ROAD FACILITY

Constituent	Units	MP-250	MP-274	MP-279	MP-280	MP-280	MP-281	MP-404	MP-407	MP-408	MP-409
		10/14/2015	10/14/2015	10/14/2015	10/13/2015	12/17/2015	10/14/2015	10/13/2015	10/14/2015	10/13/2015	10/12/2015
Arsenic, Dissolved	mg/L	**0.005**	**0.0023**	**0.015**	**0.024**	**--**	**0.0018**	**0.0035**	**0.0039**	**0.078**	**0.0022**
Barium, Dissolved	mg/L	**0.042**	**0.4**	**0.89**	**0.3**	**--**	**0.28**	**0.36**	**0.71**	**0.7**	**0.11**
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
Alkalinity, Total	mg/L	330	269	238	524	--	328	389	229	386	354
Bicarbonate ($CaCO_3$)*	mg/L	330	269	238	524	--	328	389	229	386	354
Calcium, Dissolved	mg/L	68.5	54.5	266	92.2	--	69.9	85.0	78.6	131	52.9
Carbonate ($CaCO_3$)*	mg/L	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Chloride	mg/L	35.1	205	2150	157	--	266	272	497	940	63.5
Magnesium, Dissolved	mg/L	32.5	29.5	164	44.2	--	41.4	49.8	47.5	71.7	22.0
Potassium, Dissolved	mg/L	3.6	2.9	14.9	2.4	--	6.2	3.3	6.7	7.6	3.0
Sodium, Dissolved	mg/L	72.5	117	830	131	--	156	153	214	444	86.9
Sulfate	mg/L	132	<20	<20	<2.0	--	<10	<2.0	<20	<4	3.4

ND - no detections at or above PQL.
* Concentrations calculated using alkalinity results.
** Method 8260 VOCs only.

TABLE 6.
SUMMARY OF LABORATORY ANALYTICAL RESULTS
QA/QC SAMPLES
OCTOBER 2015
CECOS - ABER ROAD FACILITY

Constituent	Field Blank DMP 10/12/2015	Method Blank 10/16/2015**	Trip Blank 10/16/2015**
Arsenic, Dissolved	<0.001	<0.001	--
Barium, Dissolved	<0.002	<0.002	--
Cadmium, Dissolved	<0.001	<0.001	--
Chromium, Dissolved	<0.005	<0.005	--
Lead, Dissolved	<0.005	<0.005	--
Mercury, Dissolved	<0.0002	<0.0002	--
Selenium, Dissolved	<0.015	<0.015	--
Silver, Dissolved	<0.003	<0.003	--
VOCs	ND	ND	ND
Alkalinity, Total	<5.0	--	--
Bicarbonate ($CaCO_3$)*	<5.0	--	--
Calcium, Dissolved	<0.10	--	--
Carbonate ($CaCO_3$)*	ND	--	--
Chloride	<0.50	--	--
Magnesium, Dissolved	<0.20	--	--
Potassium, Dissolved	<0.50	--	--
Sodium, Dissolved	<0.90	--	--
Sulfate	<2.0	--	--

ND - no detections at or above PQL.
* Concentrations calculated using alkalinity results.
** Analysis date

APPENDIX A.

LABORATORY DATA REPORT, FIELD INFORMATION FORMS, CHAIN-OF-CUSTODY RECORDS, AND FIELD METER CALIBRATION RECORDS FOR THE OCTOBER 2015 SECOND SEMIANNUAL SAMPLING EVENT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
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Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89213-1
Client Project/Site: Aber Rd. Landfill - DMP Groundwater
Revision: 1

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

Attn: Mr. Dan Deborde

Authorized for release by:
1/6/2016 3:48:07 PM

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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
1/6/2016 3:48:07 PM

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Definitions/Glossary

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

TestAmerica Job ID: 480-89213-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Metals

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.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
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.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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)

Job ID: 480-89213-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89213-1

Comments
This report has been revised to correct a field data entry error (conductance) for sample MP-234AR.

Receipt
The samples were received on 10/15/2015 7:15 AM and 10/16/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 17 coolers at receipt time were 2.1º C, 2.5º C, 2.6º C, 2.7º C, 2.8º C, 2.9º C, 3.0º C, 3.0º C, 3.0º C, 3.0º C, 3.1º C, 3.1º C, 3.3º C, 3.4º C, 3.4º C, 3.5º C and 3.9º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-269104 recovered above the upper control limit for Pentachloroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MP-409 (480-89213-1), MP-211BR (480-89213-2), MP-405A (480-89213-3), MP-404A (480-89213-4), MP-404 (480-89213-5), MP-210AR (480-89213-6), FIELD BLANK DMP (480-89213-7), MP-206AR (480-89213-8), MP-277A (480-89213-9), MP-235R (480-89213-10) and MP-406C (480-89213-17).

Method(s) 8260C: The matrix spike duplicate (MSD) recoveries for 480-269104 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following sample is impacted: MP-406C (480-89213-17[MSD])

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-269184 recovered above the upper control limit for Pentachloroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MP-235BR (480-89213-11), MP-235CR (480-89213-12), DUPLICATE DMP #1 (480-89213-13), MP-213A (480-89213-14), MP-408 (480-89213-15), TRIP BLANKS (480-89213-16), MP-280 (480-89213-18), MP-231AR (480-89213-19), MP-280A (480-89213-20), MP-227R (480-89213-21), MP-286C (480-89213-22), DUPLICATE DMP #2 (480-89213-23), MP-234AR (480-89213-24), MP-234R (480-89213-25) and MP-402A (480-89213-26).

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MP-280 (480-89213-18). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-270863 recovered outside acceptance criteria, low biased, for Acetonitrile. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

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

HPLC/IC
Method(s) 300.0, SM 4110B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MP-211BR (480-89213-2), MP-405A (480-89213-3), MP-404A (480-89213-4), MP-404 (480-89213-5), MP-210AR (480-89213-6), MP-206AR (480-89213-8), MP-277A (480-89213-9), MP-235R (480-89213-10), MP-235BR (480-89213-11), MP-235CR (480-89213-12), DUPLICATE DMP #1 (480-89213-13), MP-213A (480-89213-14), MP-408 (480-89213-15), MP-280 (480-89213-18), MP-280A (480-89213-20), MP-234AR (480-89213-24) and MP-402A (480-89213-26). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted to bring the concentrations of target analytes within the calibration range: MP-214BR (480-89266-1), MP-403A (480-89266-2), MP-233R (480-89266-3), MP-250 (480-89266-4), MP-250A (480-89266-5), MP-233AR (480-89266-6), MP-244ARR (480-89266-7), MP-244R (480-89266-8), MP-407 (480-89266-9), MP-401A (480-89266-10), (480-89266-E-10 MS) and (480-89266-E-10 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MP-404A (480-89213-4), MP-206AR (480-89213-8), DUPLICATE DMP #1 (480-89213-13), MP-408 (480-89213-15), MP-286C (480-89213-22), MP-234R (480-89213-25), MP-402A (480-89213-26), MP-401B (480-89266-11), MP-238R (480-89266-13), MP-237 (480-89266-14), MP-241R (480-89266-15), MP-228AR (480-89266-16), MP-230A (480-89266-17), MP-232A (480-89266-18), MP-281 (480-89266-19), MP-281C (480-89266-20), MP-251A (480-89266-21), MP-279 (480-89266-22), MP-274 (480-89266-23), MP-274A (480-89266-24),

Job ID: 480-89213-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

(480-89213-A-22 MS), (480-89213-A-22 MSD), (480-89266-E-15 MS), (480-89266-E-15 MSD) and (480-89266-E-24 MS). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MP-231AR (480-89213-19), MP-214BR (480-89266-1), MP-403A (480-89266-2), DUPICATE DMP #3 (480-89266-12) and MP-279 (480-89266-22). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described 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(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-269397.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 270626.

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 Groundwater

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-409

Date Collected: 10/12/15 18:15
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-1

Matrix: Water

Method: 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			10/16/15 03:43	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 03:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 03:43	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 03:43	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 03:43	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 03:43	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 03:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 03:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 03:43	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 03:43	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 03:43	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 03:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 03:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 03:43	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 03:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 03:43	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 03:43	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 03:43	1
Acetone	ND		10	3.0	ug/L			10/16/15 03:43	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 03:43	1
Acrolein	ND		20	0.91	ug/L			10/16/15 03:43	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 03:43	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 03:43	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 03:43	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 03:43	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 03:43	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 03:43	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 03:43	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 03:43	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 03:43	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 03:43	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 03:43	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 03:43	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 03:43	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 03:43	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 03:43	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 03:43	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 03:43	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 03:43	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 03:43	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 03:43	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 03:43	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 03:43	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 03:43	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 03:43	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 03:43	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 03:43	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 03:43	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 03:43	1

Client Sample ID: MP-409

Date Collected: 10/12/15 18:15
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-1

Matrix: Water

Method: 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			10/16/15 03:43	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 03:43	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 03:43	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 03:43	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 03:43	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 03:43	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 03:43	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 03:43	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 03:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 03:43	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*86 - 118*		*10/16/15 03:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*86 - 115*		*10/16/15 03:43*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/16/15 03:43*	*1*

Method: 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		10/19/15 12:53	10/22/15 12:25	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/19/15 12:53	10/22/15 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 11:56	1
PCB-1221	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 11:56	1
PCB-1232	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 11:56	1
PCB-1242	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 11:56	1
PCB-1248	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 11:56	1
PCB-1254	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 11:56	1
PCB-1260	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*24 - 150*	*10/17/15 08:38*	*10/19/15 11:56*	*1*
DCB Decachlorobiphenyl	*87*		*24 - 150*	*10/17/15 08:38*	*10/19/15 11:56*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.11**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:14	1
Calcium, Dissolved	**52.9**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:14	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:14	1
Magnesium, Dissolved	**22.0**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:14	1
Potassium, Dissolved	**3.0**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:14	1
Sodium, Dissolved	**86.9**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0022**		0.0010	0.00027	mg/L		10/16/15 15:30	10/17/15 22:46	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 22:46	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 22:46	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 22:46	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-409

Date Collected: 10/12/15 18:15
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 22:46	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 16:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.5**		0.50	0.28	mg/L			10/16/15 18:30	1
Sulfate	**3.4**		2.0	0.35	mg/L			10/16/15 18:30	1
Total Organic Carbon	**2.2**	**B**	1.0	0.43	mg/L			10/22/15 20:20	1
Alkalinity, Total	**354**		5.0	0.79	mg/L			10/16/15 22:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.53**				SU			10/12/15 18:15	1
Field Conductivity	**855**				umhos/cm			10/12/15 18:15	1
Field Temperature	**15.9**				Degrees C			10/12/15 18:15	1
Field Turbidity	**2.83**				NTU			10/12/15 18:15	1
Oxidation Reduction Potential	**-65.5**				millivolts			10/12/15 18:15	1
Oxygen, Dissolved	**0.05**				mg/L			10/12/15 18:15	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-211BR

Date Collected: 10/13/15 10:45
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-2

Matrix: Water

Method: 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			10/16/15 04:10	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 04:10	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 04:10	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 04:10	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 04:10	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 04:10	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 04:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 04:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 04:10	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 04:10	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 04:10	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 04:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 04:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 04:10	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 04:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 04:10	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 04:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 04:10	1
Acetone	ND		10	3.0	ug/L			10/16/15 04:10	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 04:10	1
Acrolein	ND		20	0.91	ug/L			10/16/15 04:10	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 04:10	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 04:10	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 04:10	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 04:10	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 04:10	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 04:10	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 04:10	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 04:10	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 04:10	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 04:10	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 04:10	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 04:10	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 04:10	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 04:10	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 04:10	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 04:10	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 04:10	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 04:10	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 04:10	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 04:10	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 04:10	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 04:10	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 04:10	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 04:10	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 04:10	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 04:10	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 04:10	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 04:10	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-211BR

Date Collected: 10/13/15 10:45
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-2

Matrix: Water

Method: 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			10/16/15 04:10	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 04:10	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 04:10	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 04:10	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 04:10	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 04:10	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 04:10	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 04:10	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 04:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 04:10	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*86 - 118*		*10/16/15 04:10*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/16/15 04:10*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/16/15 04:10*	*1*

Method: 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		10/19/15 12:53	10/22/15 12:53	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/19/15 12:53	10/22/15 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 12:12	1
PCB-1221	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 12:12	1
PCB-1232	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 12:12	1
PCB-1242	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 12:12	1
PCB-1248	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 12:12	1
PCB-1254	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 12:12	1
PCB-1260	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*24 - 150*	*10/17/15 08:38*	*10/19/15 12:12*	*1*
DCB Decachlorobiphenyl	*84*		*24 - 150*	*10/17/15 08:38*	*10/19/15 12:12*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.040**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:17	1
Calcium, Dissolved	**98.7**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:17	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:17	1
Magnesium, Dissolved	**33.0**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:17	1
Potassium, Dissolved	**5.0**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:17	1
Sodium, Dissolved	**66.4**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:17	1

Method: 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		10/16/15 15:30	10/17/15 22:52	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 22:52	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 22:52	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 22:52	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-211BR

Date Collected: 10/13/15 10:45
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 22:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 16:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.7**		5.0	2.8	mg/L			10/16/15 18:39	10
Sulfate	**123**		20.0	3.5	mg/L			10/16/15 18:39	10
Total Organic Carbon	**0.51**	**J B**	1.0	0.43	mg/L			10/22/15 20:47	1
Alkalinity, Total	**416**		5.0	0.79	mg/L			10/16/15 22:09	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.05**				SU			10/13/15 10:45	1
Field Conductivity	**1012**				umhos/cm			10/13/15 10:45	1
Field Temperature	**14.6**				Degrees C			10/13/15 10:45	1
Field Turbidity	**0.32**				NTU			10/13/15 10:45	1
Oxidation Reduction Potential	**36.6**				millivolts			10/13/15 10:45	1
Oxygen, Dissolved	**0.06**				mg/L			10/13/15 10:45	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-405A

Date Collected: 10/13/15 09:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-3

Matrix: Water

Method: 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			10/16/15 04:37	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 04:37	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 04:37	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 04:37	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 04:37	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 04:37	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 04:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 04:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 04:37	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 04:37	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 04:37	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 04:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 04:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 04:37	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 04:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 04:37	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 04:37	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 04:37	1
Acetone	ND		10	3.0	ug/L			10/16/15 04:37	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 04:37	1
Acrolein	ND		20	0.91	ug/L			10/16/15 04:37	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 04:37	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 04:37	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 04:37	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 04:37	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 04:37	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 04:37	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 04:37	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 04:37	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 04:37	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 04:37	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 04:37	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 04:37	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 04:37	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 04:37	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 04:37	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 04:37	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 04:37	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 04:37	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 04:37	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 04:37	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 04:37	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 04:37	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 04:37	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 04:37	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 04:37	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 04:37	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 04:37	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 04:37	1

Client Sample ID: MP-405A

Date Collected: 10/13/15 09:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-3

Matrix: Water

Method: 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			10/16/15 04:37	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 04:37	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 04:37	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 04:37	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 04:37	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 04:37	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 04:37	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 04:37	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 04:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 04:37	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/16/15 04:37*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/16/15 04:37*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/16/15 04:37*	*1*

Method: 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		10/19/15 12:53	10/22/15 13:20	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/19/15 12:53	10/22/15 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:28	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:28	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:28	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:28	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:28	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 12:28	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*24 - 150*	*10/17/15 08:38*	*10/19/15 12:28*	*1*
DCB Decachlorobiphenyl	*78*		*24 - 150*	*10/17/15 08:38*	*10/19/15 12:28*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.014**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:21	1
Calcium, Dissolved	**283**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:21	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:21	1
Magnesium, Dissolved	**201**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:21	1
Potassium, Dissolved	**2.9**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:21	1
Sodium, Dissolved	**132**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00087**	**J**	0.0010	0.00027	mg/L		10/16/15 15:30	10/17/15 22:58	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 22:58	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 22:58	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 22:58	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-405A

Date Collected: 10/13/15 09:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 22:58	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.5**		10.0	5.6	mg/L			10/16/15 18:47	20
Sulfate	**1150**		40.0	7.0	mg/L			10/16/15 18:47	20
Total Organic Carbon	**3.1**	**B**	1.0	0.43	mg/L			10/22/15 21:15	1
Alkalinity, Total	**535**		5.0	0.79	mg/L			10/16/15 22:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.79**				SU			10/13/15 09:55	1
Field Conductivity	**2717**				umhos/cm			10/13/15 09:55	1
Field Temperature	**16.2**				Degrees C			10/13/15 09:55	1
Field Turbidity	**7.04**				NTU			10/13/15 09:55	1
Oxidation Reduction Potential	**38.4**				millivolts			10/13/15 09:55	1
Oxygen, Dissolved	**0.27**				mg/L			10/13/15 09:55	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-404A

Date Collected: 10/13/15 08:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-4

Matrix: Water

Method: 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			10/16/15 05:04	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 05:04	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 05:04	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 05:04	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 05:04	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 05:04	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 05:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 05:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 05:04	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 05:04	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 05:04	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 05:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 05:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 05:04	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 05:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 05:04	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 05:04	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 05:04	1
Acetone	ND		10	3.0	ug/L			10/16/15 05:04	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 05:04	1
Acrolein	ND		20	0.91	ug/L			10/16/15 05:04	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 05:04	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 05:04	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 05:04	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 05:04	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 05:04	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 05:04	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 05:04	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 05:04	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 05:04	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 05:04	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 05:04	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 05:04	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 05:04	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 05:04	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 05:04	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 05:04	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 05:04	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 05:04	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 05:04	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 05:04	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 05:04	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 05:04	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 05:04	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 05:04	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 05:04	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 05:04	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 05:04	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 05:04	1

Client Sample ID: MP-404A

Date Collected: 10/13/15 08:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-4

Matrix: Water

Method: 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			10/16/15 05:04	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 05:04	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 05:04	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 05:04	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 05:04	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 05:04	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 05:04	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 05:04	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 05:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 05:04	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/16/15 05:04*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/16/15 05:04*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/16/15 05:04*	*1*

Method: 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		10/19/15 12:53	10/22/15 13:48	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/19/15 12:53	10/22/15 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:44	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:44	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:44	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:44	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 12:44	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 12:44	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*24 - 150*	*10/17/15 08:38*	*10/19/15 12:44*	*1*
DCB Decachlorobiphenyl	*80*		*24 - 150*	*10/17/15 08:38*	*10/19/15 12:44*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.049**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:24	1
Calcium, Dissolved	**80.0**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:24	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:24	1
Magnesium, Dissolved	**51.6**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:24	1
Potassium, Dissolved	**9.8**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:24	1
Sodium, Dissolved	**73.6**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:24	1

Method: 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		10/16/15 15:30	10/17/15 23:22	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 23:22	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 23:22	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 23:22	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-404A

Date Collected: 10/13/15 08:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 23:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.0**		2.5	1.4	mg/L			10/16/15 18:55	5
Sulfate	**148**		10.0	1.7	mg/L			10/16/15 18:55	5
Total Organic Carbon	ND		1.0	0.43	mg/L			10/22/15 21:43	1
Alkalinity, Total	**408**		5.0	0.79	mg/L			10/16/15 22:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.17**				SU			10/13/15 08:00	1
Field Conductivity	**1063**				umhos/cm			10/13/15 08:00	1
Field Temperature	**16.4**				Degrees C			10/13/15 08:00	1
Field Turbidity	**1.61**				NTU			10/13/15 08:00	1
Oxidation Reduction Potential	**60.4**				millivolts			10/13/15 08:00	1
Oxygen, Dissolved	**2.89**				mg/L			10/13/15 08:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-404

Date Collected: 10/13/15 08:30
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-5

Matrix: Water

Method: 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			10/16/15 05:32	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 05:32	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 05:32	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 05:32	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 05:32	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 05:32	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 05:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 05:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 05:32	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 05:32	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 05:32	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 05:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 05:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 05:32	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 05:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 05:32	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 05:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 05:32	1
Acetone	ND		10	3.0	ug/L			10/16/15 05:32	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 05:32	1
Acrolein	ND		20	0.91	ug/L			10/16/15 05:32	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 05:32	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 05:32	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 05:32	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 05:32	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 05:32	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 05:32	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 05:32	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 05:32	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 05:32	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 05:32	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 05:32	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 05:32	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 05:32	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 05:32	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 05:32	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 05:32	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 05:32	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 05:32	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 05:32	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 05:32	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 05:32	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 05:32	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 05:32	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 05:32	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 05:32	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 05:32	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 05:32	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 05:32	1

Client Sample ID: MP-404

Date Collected: 10/13/15 08:30
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-5

Matrix: Water

Method: 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			10/16/15 05:32	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 05:32	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 05:32	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 05:32	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 05:32	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 05:32	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 05:32	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 05:32	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 05:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 05:32	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*86 - 118*		*10/16/15 05:32*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/16/15 05:32*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/16/15 05:32*	*1*

Method: 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		10/19/15 12:53	10/22/15 14:15	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/19/15 12:53	10/22/15 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 13:00	1
PCB-1221	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 13:00	1
PCB-1232	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 13:00	1
PCB-1242	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 13:00	1
PCB-1248	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 13:00	1
PCB-1254	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 13:00	1
PCB-1260	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*24 - 150*	*10/17/15 08:38*	*10/19/15 13:00*	*1*
DCB Decachlorobiphenyl	*85*		*24 - 150*	*10/17/15 08:38*	*10/19/15 13:00*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.36**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:37	1
Calcium, Dissolved	**85.0**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:37	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:37	1
Magnesium, Dissolved	**49.8**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:37	1
Potassium, Dissolved	**3.3**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:37	1
Sodium, Dissolved	**153**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0035**		0.0010	0.00027	mg/L		10/16/15 15:30	10/17/15 23:28	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 23:28	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 23:28	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 23:28	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-404

Date Collected: 10/13/15 08:30
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.00064	J	0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 23:28	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		2.5	1.4	mg/L			10/16/15 19:03	5
Sulfate	ND		2.0	0.35	mg/L			10/19/15 17:22	1
Total Organic Carbon	5.8		1.0	0.43	mg/L			10/24/15 01:21	1
Alkalinity, Total	389		5.0	0.79	mg/L			10/16/15 22:32	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.23				SU			10/13/15 08:30	1
Field Conductivity	1554				umhos/cm			10/13/15 08:30	1
Field Temperature	13.6				Degrees C			10/13/15 08:30	1
Field Turbidity	1.14				NTU			10/13/15 08:30	1
Oxidation Reduction Potential	-77.2				millivolts			10/13/15 08:30	1
Oxygen, Dissolved	0.21				mg/L			10/13/15 08:30	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-210AR

Date Collected: 10/13/15 09:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-6

Matrix: Water

Method: 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			10/16/15 05:59	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 05:59	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 05:59	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 05:59	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 05:59	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 05:59	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 05:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 05:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 05:59	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 05:59	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 05:59	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 05:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 05:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 05:59	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 05:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 05:59	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 05:59	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 05:59	1
Acetone	ND		10	3.0	ug/L			10/16/15 05:59	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 05:59	1
Acrolein	ND		20	0.91	ug/L			10/16/15 05:59	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 05:59	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 05:59	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 05:59	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 05:59	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 05:59	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 05:59	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 05:59	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 05:59	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 05:59	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 05:59	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 05:59	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 05:59	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 05:59	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 05:59	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 05:59	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 05:59	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 05:59	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 05:59	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 05:59	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 05:59	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 05:59	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 05:59	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 05:59	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 05:59	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 05:59	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 05:59	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 05:59	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 05:59	1

Client Sample ID: MP-210AR

Date Collected: 10/13/15 09:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-6

Matrix: Water

Method: 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			10/16/15 05:59	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 05:59	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 05:59	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 05:59	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 05:59	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 05:59	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 05:59	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 05:59	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 05:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 05:59	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*86 - 118*		*10/16/15 05:59*	*1*
4-Bromofluorobenzene (Surr)	*105*		*86 - 115*		*10/16/15 05:59*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/16/15 05:59*	*1*

Method: 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		10/19/15 12:53	10/22/15 14:42	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/19/15 12:53	10/22/15 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 13:16	1
PCB-1221	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 13:16	1
PCB-1232	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 13:16	1
PCB-1242	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 13:16	1
PCB-1248	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 13:16	1
PCB-1254	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 13:16	1
PCB-1260	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*24 - 150*	*10/17/15 08:38*	*10/19/15 13:16*	*1*
DCB Decachlorobiphenyl	*74*		*24 - 150*	*10/17/15 08:38*	*10/19/15 13:16*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.056**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:40	1
Calcium, Dissolved	**91.5**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:40	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:40	1
Magnesium, Dissolved	**32.5**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:40	1
Potassium, Dissolved	**3.8**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:40	1
Sodium, Dissolved	**64.3**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0027**		0.0010	0.00027	mg/L		10/16/15 15:30	10/17/15 23:34	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 23:34	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 23:34	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 23:34	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-210AR

Date Collected: 10/13/15 09:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 23:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.3**		5.0	2.8	mg/L			10/16/15 19:11	10
Sulfate	**117**		20.0	3.5	mg/L			10/16/15 19:11	10
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			10/24/15 01:51	1
Alkalinity, Total	**378**		5.0	0.79	mg/L			10/16/15 22:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.16**				SU			10/13/15 09:00	1
Field Conductivity	**936**				umhos/cm			10/13/15 09:00	1
Field Temperature	**13.4**				Degrees C			10/13/15 09:00	1
Field Turbidity	**1.62**				NTU			10/13/15 09:00	1
Oxidation Reduction Potential	**-4.6**				millivolts			10/13/15 09:00	1
Oxygen, Dissolved	**0.16**				mg/L			10/13/15 09:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: FIELD BLANK DMP

Lab Sample ID: 480-89213-7

Date Collected: 10/12/15 14:25
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 06:26	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 06:26	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 06:26	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 06:26	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 06:26	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 06:26	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 06:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 06:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 06:26	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 06:26	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 06:26	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 06:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 06:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 06:26	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 06:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 06:26	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 06:26	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 06:26	1
Acetone	ND		10	3.0	ug/L			10/16/15 06:26	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 06:26	1
Acrolein	ND		20	0.91	ug/L			10/16/15 06:26	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 06:26	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 06:26	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 06:26	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 06:26	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 06:26	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 06:26	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 06:26	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 06:26	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 06:26	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 06:26	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 06:26	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 06:26	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 06:26	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 06:26	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 06:26	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 06:26	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 06:26	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 06:26	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 06:26	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 06:26	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 06:26	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 06:26	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 06:26	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 06:26	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 06:26	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 06:26	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 06:26	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 06:26	1

Client Sample ID: FIELD BLANK DMP

Lab Sample ID: 480-89213-7
Date Collected: 10/12/15 14:25
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 06:26	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 06:26	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 06:26	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 06:26	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 06:26	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 06:26	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 06:26	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 06:26	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 06:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 06:26	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*86 - 118*		*10/16/15 06:26*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/16/15 06:26*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/16/15 06:26*	*1*

Method: 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		10/19/15 12:53	10/22/15 15:10	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/19/15 12:53	10/22/15 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:03	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:03	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:03	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:03	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:03	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 14:03	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:03*	*1*
DCB Decachlorobiphenyl	*58*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:03*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:44	1
Calcium, Dissolved	ND		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:44	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:44	1
Magnesium, Dissolved	ND		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:44	1
Potassium, Dissolved	ND		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:44	1
Sodium, Dissolved	ND		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:44	1

Method: 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		10/16/15 15:30	10/17/15 23:40	1
Cadmium, Dissolved	**0.000083**	**J**	0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 23:40	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 23:40	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 23:40	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: FIELD BLANK DMP

Lab Sample ID: 480-89213-7

Date Collected: 10/12/15 14:25
Matrix: Water
Date Received: 10/15/15 07:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 23:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/22/15 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/16/15 19:19	1
Sulfate	ND		2.0	0.35	mg/L			10/16/15 19:19	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/24/15 04:10	1
Alkalinity, Total	**1.4**	**J**	5.0	0.79	mg/L			10/16/15 22:56	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.77**				SU			10/12/15 14:25	1
Field Conductivity	**32.7**				umhos/cm			10/12/15 14:25	1
Field Temperature	**19.8**				Degrees C			10/12/15 14:25	1
Field Turbidity	**0.79**				NTU			10/12/15 14:25	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-206AR

Date Collected: 10/12/15 16:36
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-8

Matrix: Water

Method: 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			10/16/15 06:54	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 06:54	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 06:54	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 06:54	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 06:54	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 06:54	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 06:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 06:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 06:54	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 06:54	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 06:54	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 06:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 06:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 06:54	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 06:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 06:54	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 06:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 06:54	1
Acetone	ND		10	3.0	ug/L			10/16/15 06:54	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 06:54	1
Acrolein	ND		20	0.91	ug/L			10/16/15 06:54	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 06:54	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 06:54	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 06:54	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 06:54	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 06:54	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 06:54	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 06:54	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 06:54	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 06:54	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 06:54	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 06:54	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 06:54	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 06:54	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 06:54	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 06:54	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 06:54	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 06:54	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 06:54	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 06:54	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 06:54	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 06:54	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 06:54	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 06:54	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 06:54	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 06:54	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 06:54	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 06:54	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 06:54	1

Client Sample ID: MP-206AR

Date Collected: 10/12/15 16:36
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-8
Matrix: Water

Method: 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			10/16/15 06:54	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 06:54	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 06:54	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 06:54	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 06:54	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 06:54	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 06:54	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 06:54	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 06:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 06:54	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*86 - 118*		*10/16/15 06:54*	*1*
4-Bromofluorobenzene (Surr)	*101*		*86 - 115*		*10/16/15 06:54*	*1*
Toluene-d8 (Surr)	*101*		*88 - 110*		*10/16/15 06:54*	*1*

Method: 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		10/19/15 12:53	10/22/15 16:04	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/19/15 12:53	10/22/15 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 14:19	1
PCB-1221	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 14:19	1
PCB-1232	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 14:19	1
PCB-1242	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 14:19	1
PCB-1248	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 14:19	1
PCB-1254	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 14:19	1
PCB-1260	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:19*	*1*
DCB Decachlorobiphenyl	*74*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:19*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0098**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:47	1
Calcium, Dissolved	**549**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:47	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:47	1
Magnesium, Dissolved	**118**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:47	1
Potassium, Dissolved	**6.6**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:47	1
Sodium, Dissolved	**57.2**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:47	1

Method: 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		10/16/15 15:30	10/17/15 23:47	1
Cadmium, Dissolved	**0.000074**	**J**	0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 23:47	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 23:47	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 23:47	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-206AR

Date Collected: 10/12/15 16:36
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 23:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.7**		2.5	1.4	mg/L			10/16/15 18:22	5
Sulfate	**1510**		40.0	7.0	mg/L			10/19/15 15:44	20
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			10/24/15 05:06	1
Alkalinity, Total	**343**		5.0	0.79	mg/L			10/16/15 23:02	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.76**				SU			10/12/15 16:36	1
Field Conductivity	**2960**				umhos/cm			10/12/15 16:36	1
Field Temperature	**15.2**				Degrees C			10/12/15 16:36	1
Field Turbidity	**8.13**				NTU			10/12/15 16:36	1
Oxidation Reduction Potential	**24.3**				millivolts			10/12/15 16:36	1
Oxygen, Dissolved	**0.04**				mg/L			10/12/15 16:36	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-277A

Date Collected: 10/12/15 17:26
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-9

Matrix: Water

Method: 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			10/16/15 07:21	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 07:21	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 07:21	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 07:21	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 07:21	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 07:21	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 07:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 07:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 07:21	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 07:21	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 07:21	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 07:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 07:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 07:21	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 07:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 07:21	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 07:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 07:21	1
Acetone	ND		10	3.0	ug/L			10/16/15 07:21	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 07:21	1
Acrolein	ND		20	0.91	ug/L			10/16/15 07:21	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 07:21	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 07:21	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 07:21	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 07:21	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 07:21	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 07:21	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 07:21	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 07:21	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 07:21	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 07:21	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 07:21	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 07:21	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 07:21	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 07:21	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 07:21	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 07:21	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 07:21	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 07:21	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 07:21	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 07:21	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 07:21	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 07:21	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 07:21	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 07:21	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 07:21	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 07:21	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 07:21	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 07:21	1

Client Sample ID: MP-277A

Date Collected: 10/12/15 17:26
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-9

Matrix: Water

Method: 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			10/16/15 07:21	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 07:21	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 07:21	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 07:21	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 07:21	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 07:21	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 07:21	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 07:21	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 07:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 07:21	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/16/15 07:21*	*1*
4-Bromofluorobenzene (Surr)	*101*		*86 - 115*		*10/16/15 07:21*	*1*
Toluene-d8 (Surr)	*102*		*88 - 110*		*10/16/15 07:21*	*1*

Method: 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		10/19/15 12:53	10/22/15 16:32	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/19/15 12:53	10/22/15 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:35	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:35	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:35	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:35	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:35	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 14:35	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:35*	*1*
DCB Decachlorobiphenyl	*82*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:35*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.027**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:50	1
Calcium, Dissolved	**181**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:50	1
Chromium, Dissolved	**0.0010**	**J**	0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:50	1
Magnesium, Dissolved	**60.3**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:50	1
Potassium, Dissolved	**4.7**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:50	1
Sodium, Dissolved	**63.8**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0089**		0.0010	0.00027	mg/L		10/16/15 15:30	10/17/15 23:53	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 23:53	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 23:53	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 23:53	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-277A

Date Collected: 10/12/15 17:26
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 23:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.3**		5.0	2.8	mg/L			10/16/15 20:16	10
Sulfate	**463**		20.0	3.5	mg/L			10/16/15 20:16	10
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			10/24/15 06:02	1
Alkalinity, Total	**355**		5.0	0.79	mg/L			10/16/15 23:09	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.93**				SU			10/12/15 17:26	1
Field Conductivity	**1542**				umhos/cm			10/12/15 17:26	1
Field Temperature	**14.9**				Degrees C			10/12/15 17:26	1
Field Turbidity	**1.11**				NTU			10/12/15 17:26	1
Oxidation Reduction Potential	**-102.1**				millivolts			10/12/15 17:26	1
Oxygen, Dissolved	**0.01**				mg/L			10/12/15 17:26	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-235R

Date Collected: 10/13/15 16:16
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-10

Matrix: Water

Method: 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			10/16/15 07:49	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 07:49	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 07:49	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 07:49	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 07:49	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 07:49	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 07:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 07:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 07:49	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 07:49	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 07:49	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 07:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 07:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 07:49	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 07:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 07:49	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 07:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 07:49	1
Acetone	ND		10	3.0	ug/L			10/16/15 07:49	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 07:49	1
Acrolein	ND		20	0.91	ug/L			10/16/15 07:49	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 07:49	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 07:49	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 07:49	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 07:49	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 07:49	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 07:49	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 07:49	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 07:49	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 07:49	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 07:49	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 07:49	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 07:49	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 07:49	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 07:49	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 07:49	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 07:49	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 07:49	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 07:49	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 07:49	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 07:49	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 07:49	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 07:49	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 07:49	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 07:49	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 07:49	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 07:49	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 07:49	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 07:49	1

Client Sample ID: MP-235R

Date Collected: 10/13/15 16:16
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-10
Matrix: Water

Method: 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			10/16/15 07:49	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 07:49	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 07:49	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 07:49	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 07:49	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 07:49	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 07:49	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 07:49	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 07:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 07:49	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 07:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*86 - 118*		*10/16/15 07:49*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/16/15 07:49*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/16/15 07:49*	*1*

Method: 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		10/19/15 12:53	10/22/15 16:59	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/19/15 12:53	10/22/15 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:51	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:51	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:51	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:51	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 14:51	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 14:51	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:51*	*1*
DCB Decachlorobiphenyl	*84*		*24 - 150*	*10/17/15 08:38*	*10/19/15 14:51*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.039**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:54	1
Calcium, Dissolved	**75.4**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:54	1
Chromium, Dissolved	**0.0016**	**J**	0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:54	1
Magnesium, Dissolved	**44.2**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:54	1
Potassium, Dissolved	**9.9**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:54	1
Sodium, Dissolved	**153**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0028**		0.0010	0.00027	mg/L		10/16/15 15:30	10/17/15 23:59	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 23:59	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 23:59	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 23:59	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-235R

Date Collected: 10/13/15 16:16
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.00095	J	0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 23:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		2.5	1.4	mg/L			10/16/15 20:24	5
Sulfate	96.9		10.0	1.7	mg/L			10/16/15 20:24	5
Total Organic Carbon	0.46	J	1.0	0.43	mg/L			10/24/15 06:29	1
Alkalinity, Total	255		5.0	0.79	mg/L			10/16/15 23:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.32				SU			10/13/15 16:16	1
Field Conductivity	1733				umhos/cm			10/13/15 16:16	1
Field Temperature	14.3				Degrees C			10/13/15 16:16	1
Field Turbidity	1.53				NTU			10/13/15 16:16	1
Oxidation Reduction Potential	-74.0				millivolts			10/13/15 16:16	1
Oxygen, Dissolved	0.09				mg/L			10/13/15 16:16	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-235BR

Date Collected: 10/13/15 17:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-11

Matrix: Water

Method: 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			10/16/15 14:28	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 14:28	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 14:28	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 14:28	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 14:28	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 14:28	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 14:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 14:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 14:28	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 14:28	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 14:28	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 14:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 14:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 14:28	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 14:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 14:28	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 14:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 14:28	1
Acetone	ND		10	3.0	ug/L			10/16/15 14:28	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 14:28	1
Acrolein	ND		20	0.91	ug/L			10/16/15 14:28	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 14:28	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 14:28	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 14:28	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 14:28	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 14:28	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 14:28	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 14:28	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 14:28	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 14:28	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 14:28	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 14:28	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 14:28	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 14:28	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 14:28	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 14:28	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 14:28	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 14:28	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 14:28	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 14:28	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 14:28	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 14:28	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 14:28	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 14:28	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 14:28	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 14:28	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 14:28	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 14:28	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 14:28	1

Client Sample ID: MP-235BR

Lab Sample ID: 480-89213-11

Date Collected: 10/13/15 17:00
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 14:28	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 14:28	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 14:28	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 14:28	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 14:28	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 14:28	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 14:28	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 14:28	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 14:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 14:28	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*86 - 118*		*10/16/15 14:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/16/15 14:28*	*1*
Toluene-d8 (Surr)	*109*		*88 - 110*		*10/16/15 14:28*	*1*

Method: 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		10/19/15 12:53	10/22/15 17:27	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/19/15 12:53	10/22/15 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:07	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:07	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:07	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:07	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:07	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 15:07	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:07*	*1*
DCB Decachlorobiphenyl	*88*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:07*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.012**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:57	1
Calcium, Dissolved	**196**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:57	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:57	1
Magnesium, Dissolved	**98.3**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:57	1
Potassium, Dissolved	**3.3**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:57	1
Sodium, Dissolved	**115**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0031**		0.0010	0.00027	mg/L		10/16/15 15:30	10/18/15 00:05	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 00:05	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 00:05	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 00:05	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-235BR

Date Collected: 10/13/15 17:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 00:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.2**		5.0	2.8	mg/L			10/16/15 20:32	10
Sulfate	**620**		20.0	3.5	mg/L			10/16/15 20:32	10
Total Organic Carbon	**0.80**	**J**	1.0	0.43	mg/L			10/24/15 06:57	1
Alkalinity, Total	**473**		5.0	0.79	mg/L			10/16/15 23:24	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.92**				SU			10/13/15 17:00	1
Field Conductivity	**2092**				umhos/cm			10/13/15 17:00	1
Field Temperature	**14.4**				Degrees C			10/13/15 17:00	1
Field Turbidity	**0.52**				NTU			10/13/15 17:00	1
Oxidation Reduction Potential	**-10.2**				millivolts			10/13/15 17:00	1
Oxygen, Dissolved	**0.06**				mg/L			10/13/15 17:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-235CR

Date Collected: 10/13/15 17:42
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-12

Matrix: Water

Method: 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			10/16/15 14:55	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 14:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 14:55	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 14:55	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 14:55	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 14:55	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 14:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 14:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 14:55	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 14:55	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 14:55	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 14:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 14:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 14:55	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 14:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 14:55	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 14:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 14:55	1
Acetone	ND		10	3.0	ug/L			10/16/15 14:55	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 14:55	1
Acrolein	ND		20	0.91	ug/L			10/16/15 14:55	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 14:55	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 14:55	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 14:55	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 14:55	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 14:55	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 14:55	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 14:55	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 14:55	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 14:55	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 14:55	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 14:55	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 14:55	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 14:55	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 14:55	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 14:55	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 14:55	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 14:55	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 14:55	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 14:55	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 14:55	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 14:55	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 14:55	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 14:55	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 14:55	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 14:55	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 14:55	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 14:55	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 14:55	1

Client Sample ID: MP-235CR

Lab Sample ID: 480-89213-12

Date Collected: 10/13/15 17:42
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 14:55	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 14:55	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 14:55	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 14:55	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 14:55	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 14:55	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 14:55	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 14:55	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 14:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 14:55	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*86 - 118*		*10/16/15 14:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/16/15 14:55*	*1*
Toluene-d8 (Surr)	*107*		*88 - 110*		*10/16/15 14:55*	*1*

Method: 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		10/19/15 12:53	10/22/15 17:54	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/19/15 12:53	10/22/15 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:23	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:23	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:23	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:23	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 15:23	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 15:23	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:23*	*1*
DCB Decachlorobiphenyl	*82*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:23*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.010**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 14:00	1
Calcium, Dissolved	**173**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 14:00	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 14:00	1
Magnesium, Dissolved	**91.0**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 14:00	1
Potassium, Dissolved	**2.5**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 14:00	1
Sodium, Dissolved	**122**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00066**	**J**	0.0010	0.00027	mg/L		10/16/15 15:30	10/18/15 00:11	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 00:11	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 00:11	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 00:11	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-235CR

Date Collected: 10/13/15 17:42
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 00:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.7**		5.0	2.8	mg/L			10/16/15 20:41	10
Sulfate	**499**		20.0	3.5	mg/L			10/16/15 20:41	10
Total Organic Carbon	**0.75**	**J**	1.0	0.43	mg/L			10/24/15 07:25	1
Alkalinity, Total	**520**		5.0	0.79	mg/L			10/16/15 23:32	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.79**				SU			10/13/15 17:42	1
Field Conductivity	**1940**				umhos/cm			10/13/15 17:42	1
Field Temperature	**15.2**				Degrees C			10/13/15 17:42	1
Field Turbidity	**0.63**				NTU			10/13/15 17:42	1
Oxidation Reduction Potential	**36.9**				millivolts			10/13/15 17:42	1
Oxygen, Dissolved	**0.08**				mg/L			10/13/15 17:42	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-89213-13

Date Collected: 10/13/15 15:00
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 15:22	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 15:22	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 15:22	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 15:22	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 15:22	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 15:22	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 15:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 15:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 15:22	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 15:22	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 15:22	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 15:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 15:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 15:22	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 15:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 15:22	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 15:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 15:22	1
Acetone	ND		10	3.0	ug/L			10/16/15 15:22	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 15:22	1
Acrolein	ND		20	0.91	ug/L			10/16/15 15:22	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 15:22	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 15:22	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 15:22	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 15:22	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 15:22	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 15:22	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 15:22	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 15:22	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 15:22	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 15:22	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 15:22	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 15:22	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 15:22	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 15:22	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 15:22	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 15:22	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 15:22	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 15:22	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 15:22	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 15:22	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 15:22	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 15:22	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 15:22	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 15:22	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 15:22	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 15:22	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 15:22	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 15:22	1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-89213-13

Date Collected: 10/13/15 15:00
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 15:22	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 15:22	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 15:22	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 15:22	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 15:22	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 15:22	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 15:22	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 15:22	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 15:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 15:22	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*10/16/15 15:22*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/16/15 15:22*	*1*
Toluene-d8 (Surr)	*107*		*88 - 110*		*10/16/15 15:22*	*1*

Method: 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		10/19/15 12:53	10/22/15 18:21	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/19/15 12:53	10/22/15 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 15:39	1
PCB-1221	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 15:39	1
PCB-1232	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 15:39	1
PCB-1242	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 15:39	1
PCB-1248	ND		0.47	0.16	ug/L		10/17/15 08:38	10/19/15 15:39	1
PCB-1254	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 15:39	1
PCB-1260	ND		0.47	0.23	ug/L		10/17/15 08:38	10/19/15 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:39*	*1*
DCB Decachlorobiphenyl	*72*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:39*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.026**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 14:04	1
Calcium, Dissolved	**503**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 14:04	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 14:04	1
Magnesium, Dissolved	**131**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 14:04	1
Potassium, Dissolved	**4.8**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 14:04	1
Sodium, Dissolved	**72.0**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00072**	**J**	0.0010	0.00027	mg/L		10/16/15 15:30	10/18/15 00:17	1
Cadmium, Dissolved	**0.00010**	**J**	0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 00:17	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 00:17	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 00:17	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-89213-13

Date Collected: 10/13/15 15:00
Matrix: Water
Date Received: 10/15/15 07:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.00049	J	0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 00:17	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.6		2.5	1.4	mg/L			10/16/15 20:49	5
Sulfate	1310		40.0	7.0	mg/L			10/19/15 15:52	20
Total Organic Carbon	1.7		1.0	0.43	mg/L			10/25/15 22:26	1
Alkalinity, Total	522		5.0	0.79	mg/L			10/16/15 23:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.53				SU			10/13/15 15:00	1
Field Conductivity	2902				umhos/cm			10/13/15 15:00	1
Field Temperature	14.4				Degrees C			10/13/15 15:00	1
Field Turbidity	1.03				NTU			10/13/15 15:00	1
Oxidation Reduction Potential	29.8				millivolts			10/13/15 15:00	1
Oxygen, Dissolved	0.03				mg/L			10/13/15 15:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-213A

Date Collected: 10/13/15 15:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-14

Matrix: Water

Method: 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			10/16/15 15:49	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 15:49	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 15:49	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 15:49	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 15:49	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 15:49	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 15:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 15:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 15:49	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 15:49	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 15:49	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 15:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 15:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 15:49	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 15:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 15:49	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 15:49	1
Acetone	ND		10	3.0	ug/L			10/16/15 15:49	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 15:49	1
Acrolein	ND		20	0.91	ug/L			10/16/15 15:49	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 15:49	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 15:49	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 15:49	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 15:49	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 15:49	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 15:49	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 15:49	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 15:49	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 15:49	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 15:49	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 15:49	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 15:49	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 15:49	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 15:49	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 15:49	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 15:49	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 15:49	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 15:49	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 15:49	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 15:49	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 15:49	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 15:49	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 15:49	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 15:49	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 15:49	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 15:49	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 15:49	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 15:49	1

Client Sample ID: MP-213A

Date Collected: 10/13/15 15:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-14
Matrix: Water

Method: 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			10/16/15 15:49	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 15:49	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 15:49	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 15:49	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 15:49	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 15:49	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 15:49	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 15:49	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 15:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 15:49	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*86 - 118*		*10/16/15 15:49*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/16/15 15:49*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/16/15 15:49*	*1*

Method: 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		10/19/15 12:53	10/22/15 18:48	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/19/15 12:53	10/22/15 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		10/17/15 08:38	10/19/15 15:55	1
PCB-1221	ND		0.49	0.17	ug/L		10/17/15 08:38	10/19/15 15:55	1
PCB-1232	ND		0.49	0.17	ug/L		10/17/15 08:38	10/19/15 15:55	1
PCB-1242	ND		0.49	0.17	ug/L		10/17/15 08:38	10/19/15 15:55	1
PCB-1248	ND		0.49	0.17	ug/L		10/17/15 08:38	10/19/15 15:55	1
PCB-1254	ND		0.49	0.24	ug/L		10/17/15 08:38	10/19/15 15:55	1
PCB-1260	ND		0.49	0.24	ug/L		10/17/15 08:38	10/19/15 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:55*	*1*
DCB Decachlorobiphenyl	*68*		*24 - 150*	*10/17/15 08:38*	*10/19/15 15:55*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.026**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 14:17	1
Calcium, Dissolved	**500**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 14:17	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 14:17	1
Magnesium, Dissolved	**129**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 14:17	1
Potassium, Dissolved	**4.7**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 14:17	1
Sodium, Dissolved	**70.3**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00066**	**J**	0.0010	0.00027	mg/L		10/16/15 15:30	10/18/15 00:42	1
Cadmium, Dissolved	**0.00014**	**J**	0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 00:42	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 00:42	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 00:42	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-213A

Date Collected: 10/13/15 15:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.00049	J	0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 00:42	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.2		2.5	1.4	mg/L			10/16/15 20:57	5
Sulfate	1360		40.0	7.0	mg/L			10/31/15 00:01	20
Total Organic Carbon	1.7		1.0	0.43	mg/L			10/25/15 20:02	1
Alkalinity, Total	522		5.0	0.79	mg/L			10/17/15 00:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.53				SU			10/13/15 15:00	1
Field Conductivity	2902				umhos/cm			10/13/15 15:00	1
Field Temperature	14.4				Degrees C			10/13/15 15:00	1
Field Turbidity	0.94				NTU			10/13/15 15:00	1
Oxidation Reduction Potential	29.8				millivolts			10/13/15 15:00	1
Oxygen, Dissolved	0.03				mg/L			10/13/15 15:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-408

Date Collected: 10/13/15 17:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-15

Matrix: Water

Method: 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			10/16/15 16:16	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 16:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 16:16	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 16:16	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 16:16	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 16:16	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 16:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 16:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 16:16	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 16:16	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 16:16	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 16:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 16:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 16:16	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 16:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 16:16	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 16:16	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 16:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 16:16	1
Acetone	ND		10	3.0	ug/L			10/16/15 16:16	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 16:16	1
Acrolein	ND		20	0.91	ug/L			10/16/15 16:16	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 16:16	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 16:16	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 16:16	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 16:16	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 16:16	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 16:16	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 16:16	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 16:16	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 16:16	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 16:16	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 16:16	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 16:16	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 16:16	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 16:16	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 16:16	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 16:16	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 16:16	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 16:16	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 16:16	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 16:16	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 16:16	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 16:16	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 16:16	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 16:16	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 16:16	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 16:16	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 16:16	1

Client Sample ID: MP-408

Date Collected: 10/13/15 17:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-15

Matrix: Water

Method: 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			10/16/15 16:16	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 16:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 16:16	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 16:16	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 16:16	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 16:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 16:16	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 16:16	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 16:16	1
Styrene	ND		2.0	0.73	ug/L			10/16/15 16:16	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*86 - 118*		*10/16/15 16:16*	*1*
4-Bromofluorobenzene (Surr)	*105*		*86 - 115*		*10/16/15 16:16*	*1*
Toluene-d8 (Surr)	*103*		*88 - 110*		*10/16/15 16:16*	*1*

Method: 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		10/19/15 12:53	10/22/15 19:15	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		10/19/15 12:53	10/22/15 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/17/15 08:38	10/19/15 16:10	1
PCB-1221	ND		0.48	0.17	ug/L		10/17/15 08:38	10/19/15 16:10	1
PCB-1232	ND		0.48	0.17	ug/L		10/17/15 08:38	10/19/15 16:10	1
PCB-1242	ND		0.48	0.17	ug/L		10/17/15 08:38	10/19/15 16:10	1
PCB-1248	ND		0.48	0.17	ug/L		10/17/15 08:38	10/19/15 16:10	1
PCB-1254	ND		0.48	0.24	ug/L		10/17/15 08:38	10/19/15 16:10	1
PCB-1260	ND		0.48	0.24	ug/L		10/17/15 08:38	10/19/15 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*24 - 150*	*10/17/15 08:38*	*10/19/15 16:10*	*1*
DCB Decachlorobiphenyl	*77*		*24 - 150*	*10/17/15 08:38*	*10/19/15 16:10*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.70**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 14:20	1
Calcium, Dissolved	**131**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 14:20	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 14:20	1
Magnesium, Dissolved	**71.7**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 14:20	1
Potassium, Dissolved	**7.6**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 14:20	1
Sodium, Dissolved	**444**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.078**		0.0010	0.00027	mg/L		10/16/15 15:30	10/18/15 00:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 00:48	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 00:48	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 00:48	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-408

Date Collected: 10/13/15 17:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	**0.0045**	**J**	0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 00:48	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**940**		10.0	5.6	mg/L			10/16/15 21:38	20
Sulfate	ND		4.0	0.70	mg/L			10/19/15 19:40	2
Total Organic Carbon	**23.5**		1.0	0.43	mg/L			10/25/15 20:32	1
Alkalinity, Total	**386**		5.0	0.79	mg/L			10/17/15 00:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.17**				SU			10/13/15 17:55	1
Field Conductivity	**3670**				umhos/cm			10/13/15 17:55	1
Field Temperature	**14.7**				Degrees C			10/13/15 17:55	1
Field Turbidity	**16.2**				NTU			10/13/15 17:55	1
Oxidation Reduction Potential	**-112.2**				millivolts			10/13/15 17:55	1
Oxygen, Dissolved	**0.06**				mg/L			10/13/15 17:55	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-89213-16

Date Collected: 10/13/15 00:00
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 16:44	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 16:44	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 16:44	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 16:44	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 16:44	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 16:44	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 16:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 16:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 16:44	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 16:44	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 16:44	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 16:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 16:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 16:44	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 16:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 16:44	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 16:44	1
Acetone	ND		10	3.0	ug/L			10/16/15 16:44	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 16:44	1
Acrolein	ND		20	0.91	ug/L			10/16/15 16:44	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 16:44	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 16:44	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 16:44	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 16:44	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 16:44	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 16:44	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 16:44	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 16:44	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 16:44	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 16:44	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 16:44	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 16:44	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 16:44	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 16:44	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 16:44	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 16:44	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 16:44	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 16:44	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 16:44	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 16:44	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 16:44	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 16:44	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 16:44	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 16:44	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 16:44	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 16:44	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 16:44	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 16:44	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-89213-16

Date Collected: 10/13/15 00:00
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 16:44	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 16:44	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 16:44	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 16:44	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 16:44	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 16:44	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 16:44	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 16:44	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 16:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 16:44	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*10/16/15 16:44*	*1*
4-Bromofluorobenzene (Surr)	*107*		*86 - 115*		*10/16/15 16:44*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/16/15 16:44*	*1*

Method: 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		10/19/15 12:53	10/22/15 19:42	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/19/15 12:53	10/22/15 19:42	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-406C

Date Collected: 10/13/15 16:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-17

Matrix: Water

Method: 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			10/16/15 08:16	1
1,1,1-Trichloroethane	ND	F1	2.0	0.82	ug/L			10/16/15 08:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 08:16	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 08:16	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 08:16	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 08:16	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 08:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 08:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 08:16	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 08:16	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 08:16	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 08:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 08:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 08:16	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 08:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 08:16	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 08:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 08:16	1
Acetone	ND		10	3.0	ug/L			10/16/15 08:16	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 08:16	1
Acrolein	ND		20	0.91	ug/L			10/16/15 08:16	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 08:16	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 08:16	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 08:16	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 08:16	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 08:16	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 08:16	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 08:16	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 08:16	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 08:16	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 08:16	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 08:16	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 08:16	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 08:16	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 08:16	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 08:16	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 08:16	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 08:16	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 08:16	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 08:16	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 08:16	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 08:16	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 08:16	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 08:16	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 08:16	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 08:16	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 08:16	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 08:16	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 08:16	1

Client Sample ID: MP-406C

Date Collected: 10/13/15 16:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-17
Matrix: Water

Method: 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			10/16/15 08:16	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 08:16	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 08:16	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 08:16	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 08:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 08:16	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 08:16	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 08:16	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 08:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 08:16	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*86 - 118*		*10/16/15 08:16*	*1*
4-Bromofluorobenzene (Surr)	*107*		*86 - 115*		*10/16/15 08:16*	*1*
Toluene-d8 (Surr)	*107*		*88 - 110*		*10/16/15 08:16*	*1*

Method: 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		10/20/15 11:22	10/20/15 19:47	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/20/15 11:22	10/20/15 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 16:26	1
PCB-1221	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 16:26	1
PCB-1232	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 16:26	1
PCB-1242	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 16:26	1
PCB-1248	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 16:26	1
PCB-1254	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 16:26	1
PCB-1260	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*24 - 150*	*10/17/15 08:38*	*10/19/15 16:26*	*1*
DCB Decachlorobiphenyl	*75*		*24 - 150*	*10/17/15 08:38*	*10/19/15 16:26*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.15**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 14:24	1
Calcium, Dissolved	**79.2**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 14:24	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 14:24	1
Magnesium, Dissolved	**30.6**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 14:24	1
Potassium, Dissolved	**3.6**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 14:24	1
Sodium, Dissolved	**74.9**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0038**		0.0010	0.00027	mg/L		10/16/15 15:30	10/18/15 00:54	1
Cadmium, Dissolved	**0.00014**	**J**	0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 00:54	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 00:54	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 00:54	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-406C

Date Collected: 10/13/15 16:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 00:54	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.3**		0.50	0.28	mg/L			10/17/15 00:12	1
Sulfate	**53.1**		2.0	0.35	mg/L			10/17/15 00:12	1
Total Organic Carbon	**0.88**	**J**	1.0	0.43	mg/L			10/25/15 21:00	1
Alkalinity, Total	**381**	**F1**	5.0	0.79	mg/L			10/17/15 00:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.26**				SU			10/13/15 16:00	1
Field Conductivity	**957**				umhos/cm			10/13/15 16:00	1
Field Temperature	**15.5**				Degrees C			10/13/15 16:00	1
Field Turbidity	**4.66**				NTU			10/13/15 16:00	1
Oxidation Reduction Potential	**-28.3**				millivolts			10/13/15 16:00	1
Oxygen, Dissolved	**0.33**				mg/L			10/13/15 16:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-280

Date Collected: 10/13/15 13:30
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.0	0.70	ug/L			10/16/15 17:11	2
1,1,1-Trichloroethane	ND		4.0	1.6	ug/L			10/16/15 17:11	2
1,1,2,2-Tetrachloroethane	ND		4.0	0.42	ug/L			10/16/15 17:11	2
1,1,2-Trichloroethane	ND		4.0	0.46	ug/L			10/16/15 17:11	2
1,1-Dichloroethane	ND		4.0	0.76	ug/L			10/16/15 17:11	2
1,1-Dichloroethene	ND		4.0	0.58	ug/L			10/16/15 17:11	2
1,2,3-Trichloropropane	ND		4.0	1.8	ug/L			10/16/15 17:11	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/16/15 17:11	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/16/15 17:11	2
1,2-Dichloroethane	ND		4.0	0.42	ug/L			10/16/15 17:11	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			10/16/15 17:11	2
1,2-Dichloropropane	ND		4.0	1.4	ug/L			10/16/15 17:11	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/16/15 17:11	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/16/15 17:11	2
1,4-Dioxane	ND		80	19	ug/L			10/16/15 17:11	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/16/15 17:11	2
2-Hexanone	ND		20	2.5	ug/L			10/16/15 17:11	2
4-Methyl-2-pentanone (MIBK)	ND		20	4.2	ug/L			10/16/15 17:11	2
Acetone	ND		20	6.0	ug/L			10/16/15 17:11	2
Acetonitrile	ND		340	9.8	ug/L			10/16/15 17:11	2
Acrolein	ND		40	1.8	ug/L			10/16/15 17:11	2
Acrylonitrile	ND		40	1.7	ug/L			10/16/15 17:11	2
Allyl chloride	ND		4.0	0.88	ug/L			10/16/15 17:11	2
Benzene	ND		4.0	0.82	ug/L			10/16/15 17:11	2
Bromodichloromethane	ND		4.0	0.78	ug/L			10/16/15 17:11	2
Bromoform	ND		4.0	0.52	ug/L			10/16/15 17:11	2
Bromomethane	ND		4.0	1.4	ug/L			10/16/15 17:11	2
Carbon disulfide	ND		4.0	0.38	ug/L			10/16/15 17:11	2
Carbon tetrachloride	ND		4.0	0.54	ug/L			10/16/15 17:11	2
Chlorobenzene	ND		4.0	1.5	ug/L			10/16/15 17:11	2
Chloroethane	ND		4.0	0.64	ug/L			10/16/15 17:11	2
Chloroform	ND		4.0	0.68	ug/L			10/16/15 17:11	2
Chloromethane	ND		4.0	0.70	ug/L			10/16/15 17:11	2
Chloroprene	ND		4.0	0.98	ug/L			10/16/15 17:11	2
cis-1,3-Dichloropropene	ND		4.0	0.72	ug/L			10/16/15 17:11	2
Dibromochloromethane	ND		4.0	0.64	ug/L			10/16/15 17:11	2
Dibromomethane	ND		4.0	0.82	ug/L			10/16/15 17:11	2
Dichlorodifluoromethane	ND		4.0	1.4	ug/L			10/16/15 17:11	2
Ethyl methacrylate	ND		4.0	1.2	ug/L			10/16/15 17:11	2
Ethylbenzene	ND		4.0	1.5	ug/L			10/16/15 17:11	2
Hexachlorobutadiene	ND		2.0	0.56	ug/L			10/16/15 17:11	2
Iodomethane	ND		4.0	0.60	ug/L			10/16/15 17:11	2
Isobutyl alcohol	ND		2000	9.6	ug/L			10/16/15 17:11	2
Methacrylonitrile	ND		20	1.4	ug/L			10/16/15 17:11	2
Methyl methacrylate	ND		20	1.2	ug/L			10/16/15 17:11	2
Methylene Chloride	ND		4.0	0.88	ug/L			10/16/15 17:11	2
Naphthalene	ND		2.0	0.86	ug/L			10/16/15 17:11	2
Pentachloroethane	ND		2.0	0.68	ug/L			10/16/15 17:11	2
Propionitrile	ND		100	12	ug/L			10/16/15 17:11	2

Client Sample ID: MP-280

Date Collected: 10/13/15 13:30
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.0	1.5	ug/L			10/16/15 17:11	2
Tetrachloroethene	ND		4.0	0.72	ug/L			10/16/15 17:11	2
Tetrahydrofuran	ND		10	2.5	ug/L			10/16/15 17:11	2
Toluene	ND		4.0	1.0	ug/L			10/16/15 17:11	2
trans-1,3-Dichloropropene	ND		4.0	0.74	ug/L			10/16/15 17:11	2
trans-1,4-Dichloro-2-butene	ND		10	0.44	ug/L			10/16/15 17:11	2
Trichloroethene	ND		4.0	0.92	ug/L			10/16/15 17:11	2
Trichlorofluoromethane	ND		4.0	1.8	ug/L			10/16/15 17:11	2
Vinyl acetate	ND		20	1.7	ug/L			10/16/15 17:11	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/16/15 17:11	2
Xylenes, Total	ND		6.0	1.3	ug/L			10/16/15 17:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*86 - 118*		*10/16/15 17:11*	*2*
4-Bromofluorobenzene (Surr)	*106*		*86 - 115*		*10/16/15 17:11*	*2*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/16/15 17:11*	*2*

Method: 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	0.0073	ug/L		10/20/15 11:22	10/20/15 20:14	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/20/15 11:22	10/20/15 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 17:14	1
PCB-1221	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 17:14	1
PCB-1232	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 17:14	1
PCB-1242	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 17:14	1
PCB-1248	ND		0.47	0.17	ug/L		10/17/15 08:38	10/19/15 17:14	1
PCB-1254	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 17:14	1
PCB-1260	ND		0.47	0.24	ug/L		10/17/15 08:38	10/19/15 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*24 - 150*	*10/17/15 08:38*	*10/19/15 17:14*	*1*
DCB Decachlorobiphenyl	*71*		*24 - 150*	*10/17/15 08:38*	*10/19/15 17:14*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.30**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 14:40	1
Calcium, Dissolved	**92.2**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 14:40	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 14:40	1
Magnesium, Dissolved	**44.2**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 14:40	1
Potassium, Dissolved	**2.4**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 14:40	1
Sodium, Dissolved	**131**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.024**		0.0010	0.00027	mg/L		10/16/15 15:30	10/18/15 01:24	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 01:24	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 01:24	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 01:24	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-280

Date Collected: 10/13/15 13:30
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.00077	J	0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 01:24	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		2.5	1.4	mg/L			10/16/15 21:46	5
Sulfate	ND		2.0	0.35	mg/L			10/19/15 19:48	1
Total Organic Carbon	11.6		1.0	0.43	mg/L			10/25/15 22:55	1
Alkalinity, Total	524		5.0	0.79	mg/L			10/17/15 01:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.56				SU			10/13/15 13:30	1
Field Conductivity	1400				umhos/cm			10/13/15 13:30	1
Field Temperature	14.7				Degrees C			10/13/15 13:30	1
Field Turbidity	11.6				NTU			10/13/15 13:30	1
Oxidation Reduction Potential	-138.8				millivolts			10/13/15 13:30	1
Oxygen, Dissolved	0.04				mg/L			10/13/15 13:30	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-231AR

Date Collected: 10/13/15 11:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-19

Matrix: Water

Method: 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			10/16/15 17:38	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 17:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 17:38	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 17:38	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 17:38	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 17:38	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 17:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 17:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 17:38	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 17:38	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 17:38	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 17:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 17:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 17:38	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 17:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 17:38	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 17:38	1
Acetone	ND		10	3.0	ug/L			10/16/15 17:38	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 17:38	1
Acrolein	ND		20	0.91	ug/L			10/16/15 17:38	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 17:38	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 17:38	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 17:38	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 17:38	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 17:38	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 17:38	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 17:38	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 17:38	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 17:38	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 17:38	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 17:38	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 17:38	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 17:38	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 17:38	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 17:38	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 17:38	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 17:38	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 17:38	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 17:38	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 17:38	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 17:38	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 17:38	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 17:38	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 17:38	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 17:38	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 17:38	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 17:38	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 17:38	1

Client Sample ID: MP-231AR

Lab Sample ID: 480-89213-19

Date Collected: 10/13/15 11:55

Matrix: Water

Date Received: 10/15/15 07:15

Method: 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			10/16/15 17:38	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 17:38	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 17:38	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 17:38	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 17:38	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 17:38	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 17:38	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 17:38	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 17:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 17:38	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*86 - 118*		*10/16/15 17:38*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/16/15 17:38*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/16/15 17:38*	*1*

Method: 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		10/20/15 11:22	10/20/15 20:41	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/20/15 11:22	10/20/15 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 17:30	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 17:30	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 17:30	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 17:30	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:38	10/19/15 17:30	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 17:30	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:38	10/19/15 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*24 - 150*	*10/17/15 08:38*	*10/19/15 17:30*	*1*
DCB Decachlorobiphenyl	*85*		*24 - 150*	*10/17/15 08:38*	*10/19/15 17:30*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0050**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 14:43	1
Calcium, Dissolved	**469**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 14:43	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 14:43	1
Magnesium, Dissolved	**201**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 14:43	1
Potassium, Dissolved	**5.6**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 14:43	1
Sodium, Dissolved	**78.2**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 14:43	1

Method: 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		10/16/15 15:30	10/18/15 01:30	1
Cadmium, Dissolved	**0.000096**	**J**	0.0010	0.000071	mg/L		10/16/15 15:30	10/18/15 01:30	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/18/15 01:30	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/18/15 01:30	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-231AR

Lab Sample ID: 480-89213-19

Date Collected: 10/13/15 11:55
Matrix: Water
Date Received: 10/15/15 07:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.00078	J	0.015	0.00044	mg/L		10/16/15 15:30	10/18/15 01:30	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		0.50	0.28	mg/L			10/16/15 21:54	1
Sulfate	1750		40.0	7.0	mg/L			10/21/15 17:07	20
Total Organic Carbon	1.0		1.0	0.43	mg/L			10/27/15 21:19	1
Alkalinity, Total	299		5.0	0.79	mg/L			10/17/15 01:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.30				SU			10/13/15 11:55	1
Field Conductivity	3183				umhos/cm			10/13/15 11:55	1
Field Temperature	15.0				Degrees C			10/13/15 11:55	1
Field Turbidity	0.78				NTU			10/13/15 11:55	1
Oxidation Reduction Potential	-79.7				millivolts			10/13/15 11:55	1
Oxygen, Dissolved	0.15				mg/L			10/13/15 11:55	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-280A

Date Collected: 10/13/15 14:10
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-20

Matrix: Water

Method: 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			10/16/15 18:06	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 18:06	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 18:06	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 18:06	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 18:06	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 18:06	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 18:06	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 18:06	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 18:06	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 18:06	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 18:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 18:06	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 18:06	1
Acetone	ND		10	3.0	ug/L			10/16/15 18:06	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 18:06	1
Acrolein	ND		20	0.91	ug/L			10/16/15 18:06	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 18:06	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 18:06	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 18:06	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 18:06	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 18:06	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 18:06	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 18:06	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 18:06	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 18:06	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 18:06	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 18:06	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 18:06	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 18:06	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 18:06	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 18:06	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 18:06	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 18:06	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 18:06	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 18:06	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 18:06	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 18:06	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 18:06	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 18:06	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 18:06	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 18:06	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 18:06	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 18:06	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 18:06	1

Client Sample ID: MP-280A

Lab Sample ID: 480-89213-20

Date Collected: 10/13/15 14:10

Matrix: Water

Date Received: 10/15/15 07:15

Method: 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			10/16/15 18:06	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 18:06	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 18:06	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 18:06	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 18:06	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 18:06	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 18:06	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 18:06	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 18:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 18:06	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/16/15 18:06*	*1*
4-Bromofluorobenzene (Surr)	*102*		*86 - 115*		*10/16/15 18:06*	*1*
Toluene-d8 (Surr)	*100*		*88 - 110*		*10/16/15 18:06*	*1*

Method: 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	0.0073	ug/L		10/20/15 11:22	10/20/15 21:08	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0055	ug/L		10/20/15 11:22	10/20/15 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:05	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:05	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:05	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:05	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:05	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:53	10/19/15 19:05	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:53	10/19/15 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:05*	*1*
DCB Decachlorobiphenyl	*64*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:05*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.025**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 12:18	1
Calcium, Dissolved	**219**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 12:18	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 12:18	1
Magnesium, Dissolved	**61.7**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 12:18	1
Potassium, Dissolved	**3.7**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 12:18	1
Sodium, Dissolved	**62.4**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.019**		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:25	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:25	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:25	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:25	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-280A

Date Collected: 10/13/15 14:10
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:25	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.5**		5.0	2.8	mg/L			10/16/15 22:02	10
Sulfate	**515**		20.0	3.5	mg/L			10/16/15 22:02	10
Total Organic Carbon	**1.2**		1.0	0.43	mg/L			10/26/15 01:15	1
Alkalinity, Total	**426**		5.0	0.79	mg/L			10/17/15 01:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.87**				SU			10/13/15 14:10	1
Field Conductivity	**1578**				umhos/cm			10/13/15 14:10	1
Field Temperature	**14.3**				Degrees C			10/13/15 14:10	1
Field Turbidity	**1.70**				NTU			10/13/15 14:10	1
Oxidation Reduction Potential	**-48.0**				millivolts			10/13/15 14:10	1
Oxygen, Dissolved	**0.03**				mg/L			10/13/15 14:10	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-227R

Date Collected: 10/13/15 15:49
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-21

Matrix: Water

Method: 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			10/16/15 18:33	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 18:33	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 18:33	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 18:33	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 18:33	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 18:33	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 18:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 18:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 18:33	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 18:33	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 18:33	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 18:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 18:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 18:33	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 18:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 18:33	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 18:33	1
Acetone	ND		10	3.0	ug/L			10/16/15 18:33	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 18:33	1
Acrolein	ND		20	0.91	ug/L			10/16/15 18:33	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 18:33	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 18:33	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 18:33	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 18:33	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 18:33	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 18:33	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 18:33	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 18:33	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 18:33	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 18:33	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 18:33	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 18:33	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 18:33	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 18:33	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 18:33	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 18:33	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 18:33	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 18:33	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 18:33	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 18:33	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 18:33	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 18:33	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 18:33	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 18:33	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 18:33	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 18:33	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 18:33	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 18:33	1

Client Sample ID: MP-227R

Lab Sample ID: 480-89213-21

Date Collected: 10/13/15 15:49

Matrix: Water

Date Received: 10/15/15 07:15

Method: 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			10/16/15 18:33	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 18:33	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 18:33	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 18:33	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 18:33	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 18:33	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 18:33	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 18:33	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 18:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 18:33	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*86 - 118*		*10/16/15 18:33*	*1*
4-Bromofluorobenzene (Surr)	*108*		*86 - 115*		*10/16/15 18:33*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/16/15 18:33*	*1*

Method: 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	0.0073	ug/L		10/20/15 11:22	10/20/15 21:35	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/20/15 11:22	10/20/15 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:21	1
PCB-1221	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:21	1
PCB-1232	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:21	1
PCB-1242	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:21	1
PCB-1248	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:21	1
PCB-1254	ND		0.47	0.23	ug/L		10/17/15 08:53	10/19/15 19:21	1
PCB-1260	ND		0.47	0.23	ug/L		10/17/15 08:53	10/19/15 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:21*	*1*
DCB Decachlorobiphenyl	*61*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:21*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.021**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 12:21	1
Calcium, Dissolved	**40.7**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 12:21	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 12:21	1
Magnesium, Dissolved	**46.4**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 12:21	1
Potassium, Dissolved	**8.8**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 12:21	1
Sodium, Dissolved	**54.9**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0028**		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:31	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:31	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:31	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:31	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-227R

Date Collected: 10/13/15 15:49
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:31	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.8**		0.50	0.28	mg/L			10/16/15 22:10	1
Sulfate	**131**		4.0	0.70	mg/L			10/19/15 16:08	2
Total Organic Carbon	**1.6**		1.0	0.43	mg/L			10/26/15 02:13	1
Alkalinity, Total	**205**		5.0	0.79	mg/L			10/19/15 04:55	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**9.20**				SU			10/13/15 15:49	1
Field Conductivity	**881**				umhos/cm			10/13/15 15:49	1
Field Temperature	**15.0**				Degrees C			10/13/15 15:49	1
Field Turbidity	**371**				NTU			10/13/15 15:49	1
Oxidation Reduction Potential	**-71.0**				millivolts			10/13/15 15:49	1
Oxygen, Dissolved	**1.45**				mg/L			10/13/15 15:49	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-286C

Date Collected: 10/13/15 18:09
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-22

Matrix: Water

Method: 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			10/16/15 19:00	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 19:00	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 19:00	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 19:00	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 19:00	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 19:00	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 19:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 19:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 19:00	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 19:00	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 19:00	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 19:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 19:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 19:00	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 19:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 19:00	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 19:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 19:00	1
Acetone	ND		10	3.0	ug/L			10/16/15 19:00	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 19:00	1
Acrolein	ND		20	0.91	ug/L			10/16/15 19:00	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 19:00	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 19:00	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 19:00	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 19:00	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 19:00	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 19:00	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 19:00	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 19:00	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 19:00	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 19:00	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 19:00	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 19:00	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 19:00	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 19:00	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 19:00	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 19:00	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 19:00	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 19:00	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 19:00	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 19:00	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 19:00	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 19:00	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 19:00	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 19:00	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 19:00	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 19:00	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 19:00	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 19:00	1

Client Sample ID: MP-286C

Lab Sample ID: 480-89213-22

Date Collected: 10/13/15 18:09

Matrix: Water

Date Received: 10/15/15 07:15

Method: 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			10/16/15 19:00	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 19:00	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 19:00	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 19:00	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 19:00	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 19:00	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 19:00	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 19:00	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 19:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 19:00	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*86 - 118*		*10/16/15 19:00*	*1*
4-Bromofluorobenzene (Surr)	*109*		*86 - 115*		*10/16/15 19:00*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/16/15 19:00*	*1*

Method: 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		10/20/15 11:22	10/20/15 22:03	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/20/15 11:22	10/20/15 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:37	1
PCB-1221	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:37	1
PCB-1232	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:37	1
PCB-1242	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:37	1
PCB-1248	ND		0.47	0.16	ug/L		10/17/15 08:53	10/19/15 19:37	1
PCB-1254	ND		0.47	0.23	ug/L		10/17/15 08:53	10/19/15 19:37	1
PCB-1260	ND		0.47	0.23	ug/L		10/17/15 08:53	10/19/15 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:37*	*1*
DCB Decachlorobiphenyl	*76*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:37*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.14**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 12:25	1
Calcium, Dissolved	**70.3**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 12:25	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 12:25	1
Magnesium, Dissolved	**43.6**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 12:25	1
Potassium, Dissolved	**3.3**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 12:25	1
Sodium, Dissolved	**86.2**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0039**		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:36	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:36	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:36	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:36	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-286C

Date Collected: 10/13/15 18:09
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.6**		1.0	0.56	mg/L			10/19/15 20:13	2
Sulfate	**90.7**		4.0	0.70	mg/L			10/19/15 20:13	2
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			10/26/15 02:41	1
Alkalinity, Total	**399**		5.0	0.79	mg/L			10/19/15 04:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.65**				SU			10/13/15 18:09	1
Field Conductivity	**1217**				umhos/cm			10/13/15 18:09	1
Field Temperature	**12.6**				Degrees C			10/13/15 18:09	1
Field Turbidity	**1.78**				NTU			10/13/15 18:09	1
Oxidation Reduction Potential	**-127.2**				millivolts			10/13/15 18:09	1
Oxygen, Dissolved	**0.06**				mg/L			10/13/15 18:09	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-89213-23

Date Collected: 10/13/15 18:09
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 19:28	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 19:28	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 19:28	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 19:28	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 19:28	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 19:28	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 19:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 19:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 19:28	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 19:28	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 19:28	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 19:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 19:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 19:28	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 19:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 19:28	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 19:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 19:28	1
Acetone	ND		10	3.0	ug/L			10/16/15 19:28	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 19:28	1
Acrolein	ND		20	0.91	ug/L			10/16/15 19:28	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 19:28	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 19:28	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 19:28	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 19:28	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 19:28	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 19:28	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 19:28	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 19:28	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 19:28	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 19:28	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 19:28	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 19:28	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 19:28	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 19:28	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 19:28	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 19:28	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 19:28	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 19:28	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 19:28	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 19:28	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 19:28	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 19:28	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 19:28	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 19:28	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 19:28	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 19:28	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 19:28	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 19:28	1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-89213-23

Date Collected: 10/13/15 18:09
Matrix: Water
Date Received: 10/15/15 07:15

Method: 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			10/16/15 19:28	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 19:28	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 19:28	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 19:28	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 19:28	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 19:28	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 19:28	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 19:28	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 19:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 19:28	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*86 - 118*		*10/16/15 19:28*	*1*
4-Bromofluorobenzene (Surr)	*107*		*86 - 115*		*10/16/15 19:28*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/16/15 19:28*	*1*

Method: 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		10/20/15 11:22	10/21/15 15:20	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/20/15 11:22	10/21/15 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:53	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:53	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:53	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:53	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 19:53	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:53	10/19/15 19:53	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:53	10/19/15 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:53*	*1*
DCB Decachlorobiphenyl	*74*		*24 - 150*	*10/17/15 08:53*	*10/19/15 19:53*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.13**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 12:28	1
Calcium, Dissolved	**69.2**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 12:28	1
Chromium, Dissolved	**0.0011**	**J**	0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 12:28	1
Magnesium, Dissolved	**43.1**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 12:28	1
Potassium, Dissolved	**3.2**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 12:28	1
Sodium, Dissolved	**85.0**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0036**		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:42	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:42	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:42	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:42	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-89213-23

Date Collected: 10/13/15 18:09
Matrix: Water
Date Received: 10/15/15 07:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:42	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.4**		1.0	0.56	mg/L			10/16/15 22:26	2
Sulfate	**91.8**		4.0	0.70	mg/L			10/16/15 22:26	2
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			10/26/15 03:09	1
Alkalinity, Total	**399**		5.0	0.79	mg/L			10/19/15 04:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.65**				SU			10/13/15 18:09	1
Field Conductivity	**1217**				umhos/cm			10/13/15 18:09	1
Field Temperature	**12.6**				Degrees C			10/13/15 18:09	1
Field Turbidity	**1.98**				NTU			10/13/15 18:09	1
Oxidation Reduction Potential	**-127.1**				millivolts			10/13/15 18:09	1
Oxygen, Dissolved	**0.06**				mg/L			10/13/15 18:09	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-234AR

Date Collected: 10/14/15 08:16
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-24

Matrix: Water

Method: 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			10/16/15 19:55	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 19:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 19:55	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 19:55	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 19:55	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 19:55	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 19:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 19:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 19:55	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 19:55	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 19:55	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 19:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 19:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 19:55	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 19:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 19:55	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 19:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 19:55	1
Acetone	ND		10	3.0	ug/L			10/16/15 19:55	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 19:55	1
Acrolein	ND		20	0.91	ug/L			10/16/15 19:55	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 19:55	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 19:55	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 19:55	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 19:55	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 19:55	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 19:55	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 19:55	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 19:55	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 19:55	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 19:55	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 19:55	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 19:55	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 19:55	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 19:55	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 19:55	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 19:55	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 19:55	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 19:55	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 19:55	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 19:55	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 19:55	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 19:55	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 19:55	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 19:55	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 19:55	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 19:55	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 19:55	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 19:55	1

Client Sample ID: MP-234AR

Lab Sample ID: 480-89213-24

Date Collected: 10/14/15 08:16

Matrix: Water

Date Received: 10/15/15 07:15

Method: 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			10/16/15 19:55	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 19:55	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 19:55	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 19:55	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 19:55	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 19:55	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 19:55	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 19:55	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 19:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 19:55	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*86 - 118*		*10/16/15 19:55*	*1*
4-Bromofluorobenzene (Surr)	*107*		*86 - 115*		*10/16/15 19:55*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/16/15 19:55*	*1*

Method: 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		10/20/15 11:22	10/21/15 15:47	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/20/15 11:22	10/21/15 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/17/15 08:53	10/19/15 20:09	1
PCB-1221	ND		0.48	0.17	ug/L		10/17/15 08:53	10/19/15 20:09	1
PCB-1232	ND		0.48	0.17	ug/L		10/17/15 08:53	10/19/15 20:09	1
PCB-1242	ND		0.48	0.17	ug/L		10/17/15 08:53	10/19/15 20:09	1
PCB-1248	ND		0.48	0.17	ug/L		10/17/15 08:53	10/19/15 20:09	1
PCB-1254	ND		0.48	0.24	ug/L		10/17/15 08:53	10/19/15 20:09	1
PCB-1260	ND		0.48	0.24	ug/L		10/17/15 08:53	10/19/15 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*24 - 150*	*10/17/15 08:53*	*10/19/15 20:09*	*1*
DCB Decachlorobiphenyl	*75*		*24 - 150*	*10/17/15 08:53*	*10/19/15 20:09*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.052**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 12:31	1
Calcium, Dissolved	**162**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 12:31	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 12:31	1
Magnesium, Dissolved	**92.6**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 12:31	1
Potassium, Dissolved	**15.9**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 12:31	1
Sodium, Dissolved	**480**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0082**		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:48	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:48	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:48	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-234AR

Date Collected: 10/14/15 08:16
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:48	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.1**		10.0	5.6	mg/L			10/16/15 22:34	20
Sulfate	**1230**		40.0	7.0	mg/L			10/16/15 22:34	20
Total Organic Carbon	**1.2**		1.0	0.43	mg/L			10/26/15 03:37	1
Alkalinity, Total	**453**		5.0	0.79	mg/L			10/19/15 04:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.74**				SU			10/14/15 08:16	1
Field Conductivity	**3038**				umhos/cm			10/14/15 08:16	1
Field Temperature	**14.6**				Degrees C			10/14/15 08:16	1
Field Turbidity	**4.05**				NTU			10/14/15 08:16	1
Oxidation Reduction Potential	**-12.0**				millivolts			10/14/15 08:16	1
Oxygen, Dissolved	**0.20**				mg/L			10/14/15 08:16	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-234R

Date Collected: 10/14/15 08:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-25

Matrix: Water

Method: 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			10/16/15 20:23	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 20:23	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 20:23	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 20:23	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 20:23	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 20:23	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 20:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 20:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 20:23	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 20:23	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 20:23	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 20:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 20:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 20:23	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 20:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 20:23	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 20:23	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 20:23	1
Acetone	ND		10	3.0	ug/L			10/16/15 20:23	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 20:23	1
Acrolein	ND		20	0.91	ug/L			10/16/15 20:23	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 20:23	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 20:23	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 20:23	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 20:23	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 20:23	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 20:23	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 20:23	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 20:23	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 20:23	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 20:23	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 20:23	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 20:23	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 20:23	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 20:23	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 20:23	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 20:23	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 20:23	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 20:23	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 20:23	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 20:23	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 20:23	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 20:23	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 20:23	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 20:23	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 20:23	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 20:23	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 20:23	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 20:23	1

Client Sample ID: MP-234R

Date Collected: 10/14/15 08:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-25
Matrix: Water

Method: 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			10/16/15 20:23	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 20:23	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 20:23	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 20:23	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 20:23	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 20:23	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 20:23	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 20:23	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 20:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 20:23	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*86 - 118*		*10/16/15 20:23*	*1*
4-Bromofluorobenzene (Surr)	*108*		*86 - 115*		*10/16/15 20:23*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/16/15 20:23*	*1*

Method: 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	0.0073	ug/L		10/20/15 11:22	10/21/15 16:14	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0055	ug/L		10/20/15 11:22	10/21/15 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/17/15 08:53	10/19/15 20:25	1
PCB-1221	ND		0.47	0.17	ug/L		10/17/15 08:53	10/19/15 20:25	1
PCB-1232	ND		0.47	0.17	ug/L		10/17/15 08:53	10/19/15 20:25	1
PCB-1242	ND		0.47	0.17	ug/L		10/17/15 08:53	10/19/15 20:25	1
PCB-1248	ND		0.47	0.17	ug/L		10/17/15 08:53	10/19/15 20:25	1
PCB-1254	ND		0.47	0.23	ug/L		10/17/15 08:53	10/19/15 20:25	1
PCB-1260	ND		0.47	0.23	ug/L		10/17/15 08:53	10/19/15 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*24 - 150*	*10/17/15 08:53*	*10/19/15 20:25*	*1*
DCB Decachlorobiphenyl	*87*		*24 - 150*	*10/17/15 08:53*	*10/19/15 20:25*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0097**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 12:35	1
Calcium, Dissolved	**343**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 12:35	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 12:35	1
Magnesium, Dissolved	**160**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 12:35	1
Potassium, Dissolved	**5.3**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 12:35	1
Sodium, Dissolved	**113**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0029**		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:53	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:53	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:53	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:53	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-234R

Date Collected: 10/14/15 08:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.00045	J	0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		10.0	5.6	mg/L			10/19/15 15:36	20
Sulfate	117		40.0	7.0	mg/L			10/19/15 15:36	20
Total Organic Carbon	ND		1.0	0.43	mg/L			10/26/15 04:05	1
Alkalinity, Total	185		5.0	0.79	mg/L			10/19/15 04:26	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.15				SU			10/14/15 08:55	1
Field Conductivity	5019				umhos/cm			10/14/15 08:55	1
Field Temperature	14.1				Degrees C			10/14/15 08:55	1
Field Turbidity	3.51				NTU			10/14/15 08:55	1
Oxidation Reduction Potential	-12.9				millivolts			10/14/15 08:55	1
Oxygen, Dissolved	0.34				mg/L			10/14/15 08:55	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-402A

Date Collected: 10/14/15 09:48
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-26

Matrix: Water

Method: 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			10/16/15 20:50	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 20:50	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 20:50	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 20:50	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 20:50	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 20:50	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 20:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 20:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 20:50	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 20:50	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 20:50	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 20:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 20:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 20:50	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 20:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 20:50	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 20:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 20:50	1
Acetone	ND		10	3.0	ug/L			10/16/15 20:50	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 20:50	1
Acrolein	ND		20	0.91	ug/L			10/16/15 20:50	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 20:50	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 20:50	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 20:50	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 20:50	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 20:50	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 20:50	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 20:50	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 20:50	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 20:50	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 20:50	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 20:50	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 20:50	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 20:50	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 20:50	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 20:50	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 20:50	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 20:50	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 20:50	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 20:50	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 20:50	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 20:50	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 20:50	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 20:50	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 20:50	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 20:50	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 20:50	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 20:50	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 20:50	1

Client Sample ID: MP-402A

Lab Sample ID: 480-89213-26

Date Collected: 10/14/15 09:48

Matrix: Water

Date Received: 10/15/15 07:15

Method: 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			10/16/15 20:50	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 20:50	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 20:50	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 20:50	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 20:50	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 20:50	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 20:50	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 20:50	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 20:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 20:50	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*86 - 118*		*10/16/15 20:50*	*1*
4-Bromofluorobenzene (Surr)	*105*		*86 - 115*		*10/16/15 20:50*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/16/15 20:50*	*1*

Method: 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	0.0073	ug/L		10/20/15 11:22	10/21/15 16:42	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/20/15 11:22	10/21/15 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 20:40	1
PCB-1221	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 20:40	1
PCB-1232	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 20:40	1
PCB-1242	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 20:40	1
PCB-1248	ND		0.46	0.16	ug/L		10/17/15 08:53	10/19/15 20:40	1
PCB-1254	ND		0.46	0.23	ug/L		10/17/15 08:53	10/19/15 20:40	1
PCB-1260	ND		0.46	0.23	ug/L		10/17/15 08:53	10/19/15 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*24 - 150*	*10/17/15 08:53*	*10/19/15 20:40*	*1*
DCB Decachlorobiphenyl	*80*		*24 - 150*	*10/17/15 08:53*	*10/19/15 20:40*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.014**		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 12:38	1
Calcium, Dissolved	**240**		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 12:38	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 12:38	1
Magnesium, Dissolved	**103**		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 12:38	1
Potassium, Dissolved	**3.9**		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 12:38	1
Sodium, Dissolved	**247**		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.016**		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:59	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:59	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:59	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:59	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-402A

Date Collected: 10/14/15 09:48
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-26

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.0**		1.0	0.56	mg/L			10/19/15 20:04	2
Sulfate	**1040**		100	17.5	mg/L			10/16/15 23:31	50
Total Organic Carbon	**1.5**		1.0	0.43	mg/L			10/26/15 04:33	1
Alkalinity, Total	**453**		5.0	0.79	mg/L			10/19/15 04:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.85**				SU			10/14/15 09:48	1
Field Conductivity	**2828**				umhos/cm			10/14/15 09:48	1
Field Temperature	**15.9**				Degrees C			10/14/15 09:48	1
Field Turbidity	**2.47**				NTU			10/14/15 09:48	1
Oxidation Reduction Potential	**-54.5**				millivolts			10/14/15 09:48	1
Oxygen, Dissolved	**0.17**				mg/L			10/14/15 09:48	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-214BR

Date Collected: 10/14/15 12:45
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-1

Matrix: Water

Method: 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			10/24/15 12:36	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 12:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 12:36	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 12:36	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 12:36	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 12:36	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 12:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 12:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 12:36	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 12:36	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 12:36	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 12:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 12:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 12:36	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 12:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 12:36	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 12:36	1
Acetone	ND		10	3.0	ug/L			10/24/15 12:36	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 12:36	1
Acrolein	ND		20	0.91	ug/L			10/24/15 12:36	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 12:36	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 12:36	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 12:36	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 12:36	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 12:36	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 12:36	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 12:36	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 12:36	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 12:36	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 12:36	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 12:36	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 12:36	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 12:36	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 12:36	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 12:36	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 12:36	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 12:36	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 12:36	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 12:36	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 12:36	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 12:36	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 12:36	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 12:36	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 12:36	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 12:36	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 12:36	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 12:36	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 12:36	1

Client Sample ID: MP-214BR

Date Collected: 10/14/15 12:45
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-1
Matrix: Water

Method: 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			10/24/15 12:36	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 12:36	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 12:36	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 12:36	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 12:36	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 12:36	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 12:36	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 12:36	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 12:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 12:36	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*86 - 118*		*10/24/15 12:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*86 - 115*		*10/24/15 12:36*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/24/15 12:36*	*1*

Method: 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		10/21/15 12:46	10/21/15 20:20	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/21/15 12:46	10/21/15 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:12	1
PCB-1221	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:12	1
PCB-1232	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:12	1
PCB-1242	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:12	1
PCB-1248	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:12	1
PCB-1254	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 09:12	1
PCB-1260	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*24 - 150*	*10/22/15 14:39*	*10/23/15 09:12*	*1*
DCB Decachlorobiphenyl	*76*		*24 - 150*	*10/22/15 14:39*	*10/23/15 09:12*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0081**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 12:40	1
Calcium, Dissolved	**265**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 12:40	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 12:40	1
Magnesium, Dissolved	**157**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 12:40	1
Potassium, Dissolved	**3.8**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 12:40	1
Sodium, Dissolved	**126**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0027**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 08:40	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 08:40	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 08:40	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 08:40	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-214BR

Date Collected: 10/14/15 12:45
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 08:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.7**		2.5	1.4	mg/L			10/21/15 16:42	5
Sulfate	**1230**		100	17.5	mg/L			10/20/15 00:46	50
Total Organic Carbon	**1.6**		1.0	0.43	mg/L			10/26/15 06:53	1
Alkalinity, Total	**487**	**B**	5.0	0.79	mg/L			10/20/15 03:14	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.74**				SU			10/14/15 12:45	1
Field Conductivity	**3153**				umhos/cm			10/14/15 12:45	1
Field Temperature	**13.6**				Degrees C			10/14/15 12:45	1
Field Turbidity	**25.1**				NTU			10/14/15 12:45	1
Oxidation Reduction Potential	**16.5**				millivolts			10/14/15 12:45	1
Oxygen, Dissolved	**0.16**				mg/L			10/14/15 12:45	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-403A

Date Collected: 10/14/15 13:10
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-2

Matrix: Water

Method: 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			10/24/15 12:58	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 12:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 12:58	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 12:58	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 12:58	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 12:58	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 12:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 12:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 12:58	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 12:58	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 12:58	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 12:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 12:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 12:58	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 12:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 12:58	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 12:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 12:58	1
Acetone	ND		10	3.0	ug/L			10/24/15 12:58	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 12:58	1
Acrolein	ND		20	0.91	ug/L			10/24/15 12:58	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 12:58	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 12:58	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 12:58	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 12:58	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 12:58	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 12:58	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 12:58	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 12:58	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 12:58	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 12:58	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 12:58	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 12:58	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 12:58	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 12:58	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 12:58	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 12:58	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 12:58	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 12:58	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 12:58	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 12:58	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 12:58	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 12:58	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 12:58	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 12:58	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 12:58	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 12:58	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 12:58	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 12:58	1

Client Sample ID: MP-403A

Date Collected: 10/14/15 13:10
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-2
Matrix: Water

Method: 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			10/24/15 12:58	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 12:58	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 12:58	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 12:58	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 12:58	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 12:58	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 12:58	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 12:58	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 12:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 12:58	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*86 - 118*		*10/24/15 12:58*	*1*
4-Bromofluorobenzene (Surr)	*100*		*86 - 115*		*10/24/15 12:58*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/24/15 12:58*	*1*

Method: 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		10/21/15 12:46	10/21/15 20:47	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/21/15 12:46	10/21/15 20:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:28	1
PCB-1221	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:28	1
PCB-1232	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:28	1
PCB-1242	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:28	1
PCB-1248	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 09:28	1
PCB-1254	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 09:28	1
PCB-1260	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 09:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*24 - 150*	*10/22/15 14:39*	*10/23/15 09:28*	*1*
DCB Decachlorobiphenyl	*79*		*24 - 150*	*10/22/15 14:39*	*10/23/15 09:28*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.014**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 12:43	1
Calcium, Dissolved	**275**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 12:43	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 12:43	1
Magnesium, Dissolved	**164**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 12:43	1
Potassium, Dissolved	**3.3**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 12:43	1
Sodium, Dissolved	**192**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00067**	**J**	0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 09:26	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 09:26	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 09:26	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 09:26	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-403A

Date Collected: 10/14/15 13:10
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 09:26	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.8**		2.5	1.4	mg/L			10/21/15 16:51	5
Sulfate	**1150**		40.0	7.0	mg/L			10/20/15 01:01	20
Total Organic Carbon	**1.6**		1.0	0.43	mg/L			10/26/15 07:21	1
Alkalinity, Total	**502**	**B**	5.0	0.79	mg/L			10/20/15 03:22	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.83**				SU			10/14/15 13:10	1
Field Conductivity	**3359**				umhos/cm			10/14/15 13:10	1
Field Temperature	**16.8**				Degrees C			10/14/15 13:10	1
Field Turbidity	**14.0**				NTU			10/14/15 13:10	1
Oxidation Reduction Potential	**18.1**				millivolts			10/14/15 13:10	1
Oxygen, Dissolved	**2.81**				mg/L			10/14/15 13:10	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-233R

Date Collected: 10/14/15 14:02
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-3

Matrix: Water

Method: 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			10/24/15 13:21	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 13:21	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 13:21	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 13:21	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 13:21	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 13:21	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 13:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 13:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 13:21	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 13:21	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 13:21	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 13:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 13:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 13:21	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 13:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 13:21	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 13:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 13:21	1
Acetone	ND		10	3.0	ug/L			10/24/15 13:21	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 13:21	1
Acrolein	ND		20	0.91	ug/L			10/24/15 13:21	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 13:21	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 13:21	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 13:21	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 13:21	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 13:21	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 13:21	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 13:21	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 13:21	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 13:21	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 13:21	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 13:21	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 13:21	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 13:21	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 13:21	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 13:21	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 13:21	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 13:21	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 13:21	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 13:21	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 13:21	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 13:21	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 13:21	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 13:21	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 13:21	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 13:21	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 13:21	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 13:21	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 13:21	1

Client Sample ID: MP-233R

Date Collected: 10/14/15 14:02
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-3

Matrix: Water

Method: 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			10/24/15 13:21	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 13:21	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 13:21	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 13:21	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 13:21	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 13:21	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 13:21	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 13:21	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 13:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 13:21	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*86 - 118*		*10/24/15 13:21*	*1*
4-Bromofluorobenzene (Surr)	*101*		*86 - 115*		*10/24/15 13:21*	*1*
Toluene-d8 (Surr)	*103*		*88 - 110*		*10/24/15 13:21*	*1*

Method: 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	0.0072	ug/L		10/21/15 12:46	10/21/15 21:14	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0055	ug/L		10/21/15 12:46	10/21/15 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 09:44	1
PCB-1221	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 09:44	1
PCB-1232	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 09:44	1
PCB-1242	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 09:44	1
PCB-1248	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 09:44	1
PCB-1254	ND		0.47	0.24	ug/L		10/22/15 14:39	10/23/15 09:44	1
PCB-1260	ND		0.47	0.24	ug/L		10/22/15 14:39	10/23/15 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*24 - 150*	*10/22/15 14:39*	*10/23/15 09:44*	*1*
DCB Decachlorobiphenyl	*81*		*24 - 150*	*10/22/15 14:39*	*10/23/15 09:44*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.45**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 12:46	1
Calcium, Dissolved	**71.8**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 12:46	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 12:46	1
Magnesium, Dissolved	**42.9**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 12:46	1
Potassium, Dissolved	**5.5**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 12:46	1
Sodium, Dissolved	**224**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0055**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 09:32	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 09:32	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 09:32	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 09:32	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-233R

Date Collected: 10/14/15 14:02
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 09:32	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**461**		5.0	2.8	mg/L			10/20/15 01:15	10
Sulfate	ND		2.0	0.35	mg/L			10/21/15 16:59	1
Total Organic Carbon	**4.5**		1.0	0.43	mg/L			10/26/15 08:18	1
Alkalinity, Total	**274**	**B**	5.0	0.79	mg/L			10/20/15 03:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.25**				SU			10/14/15 14:02	1
Field Conductivity	**2155**				umhos/cm			10/14/15 14:02	1
Field Temperature	**16.5**				Degrees C			10/14/15 14:02	1
Field Turbidity	**1.55**				NTU			10/14/15 14:02	1
Oxidation Reduction Potential	**-100.6**				millivolts			10/14/15 14:02	1
Oxygen, Dissolved	**0.03**				mg/L			10/14/15 14:02	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-250

Date Collected: 10/14/15 11:09
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-4

Matrix: Water

Method: 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			10/24/15 13:44	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 13:44	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 13:44	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 13:44	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 13:44	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 13:44	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 13:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 13:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 13:44	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 13:44	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 13:44	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 13:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 13:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 13:44	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 13:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 13:44	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 13:44	1
Acetone	ND		10	3.0	ug/L			10/24/15 13:44	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 13:44	1
Acrolein	ND		20	0.91	ug/L			10/24/15 13:44	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 13:44	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 13:44	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 13:44	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 13:44	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 13:44	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 13:44	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 13:44	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 13:44	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 13:44	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 13:44	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 13:44	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 13:44	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 13:44	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 13:44	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 13:44	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 13:44	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 13:44	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 13:44	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 13:44	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 13:44	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 13:44	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 13:44	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 13:44	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 13:44	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 13:44	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 13:44	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 13:44	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 13:44	1

Client Sample ID: MP-250

Date Collected: 10/14/15 11:09
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-4

Matrix: Water

Method: 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			10/24/15 13:44	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 13:44	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 13:44	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 13:44	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 13:44	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 13:44	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 13:44	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 13:44	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 13:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 13:44	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*86 - 118*		*10/24/15 13:44*	*1*
4-Bromofluorobenzene (Surr)	*105*		*86 - 115*		*10/24/15 13:44*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/24/15 13:44*	*1*

Method: 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		10/21/15 12:46	10/21/15 21:41	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/21/15 12:46	10/21/15 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 10:00	1
PCB-1221	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 10:00	1
PCB-1232	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 10:00	1
PCB-1242	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 10:00	1
PCB-1248	ND		0.47	0.17	ug/L		10/22/15 14:39	10/23/15 10:00	1
PCB-1254	ND		0.47	0.24	ug/L		10/22/15 14:39	10/23/15 10:00	1
PCB-1260	ND		0.47	0.24	ug/L		10/22/15 14:39	10/23/15 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*24 - 150*	*10/22/15 14:39*	*10/23/15 10:00*	*1*
DCB Decachlorobiphenyl	*85*		*24 - 150*	*10/22/15 14:39*	*10/23/15 10:00*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.042**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 12:50	1
Calcium, Dissolved	**68.5**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 12:50	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 12:50	1
Magnesium, Dissolved	**32.5**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 12:50	1
Potassium, Dissolved	**3.6**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 12:50	1
Sodium, Dissolved	**72.5**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 09:37	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 09:37	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 09:37	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 09:37	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-250

Date Collected: 10/14/15 11:09
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 09:37	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.1**		5.0	2.8	mg/L			10/20/15 01:30	10
Sulfate	**132**		20.0	3.5	mg/L			10/20/15 01:30	10
Total Organic Carbon	**0.60**	**J**	1.0	0.43	mg/L			10/26/15 08:47	1
Alkalinity, Total	**330**	**B**	5.0	0.79	mg/L			10/20/15 03:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.06**				SU			10/14/15 11:09	1
Field Conductivity	**1033**				umhos/cm			10/14/15 11:09	1
Field Temperature	**14.0**				Degrees C			10/14/15 11:09	1
Field Turbidity	**0.80**				NTU			10/14/15 11:09	1
Oxidation Reduction Potential	**-10.1**				millivolts			10/14/15 11:09	1
Oxygen, Dissolved	**0.16**				mg/L			10/14/15 11:09	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-250A

Date Collected: 10/14/15 11:44
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-5

Matrix: Water

Method: 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			10/24/15 14:07	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 14:07	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 14:07	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 14:07	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 14:07	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 14:07	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 14:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 14:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 14:07	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 14:07	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 14:07	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 14:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 14:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 14:07	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 14:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 14:07	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 14:07	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 14:07	1
Acetone	ND		10	3.0	ug/L			10/24/15 14:07	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 14:07	1
Acrolein	ND		20	0.91	ug/L			10/24/15 14:07	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 14:07	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 14:07	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 14:07	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 14:07	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 14:07	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 14:07	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 14:07	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 14:07	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 14:07	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 14:07	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 14:07	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 14:07	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 14:07	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 14:07	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 14:07	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 14:07	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 14:07	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 14:07	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 14:07	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 14:07	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 14:07	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 14:07	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 14:07	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 14:07	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 14:07	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 14:07	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 14:07	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 14:07	1

Client Sample ID: MP-250A

Date Collected: 10/14/15 11:44
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-5
Matrix: Water

Method: 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			10/24/15 14:07	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 14:07	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 14:07	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 14:07	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 14:07	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 14:07	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 14:07	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 14:07	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 14:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 14:07	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*10/24/15 14:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*86 - 115*		*10/24/15 14:07*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/24/15 14:07*	*1*

Method: 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		10/21/15 12:46	10/21/15 22:08	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/21/15 12:46	10/21/15 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 10:16	1
PCB-1221	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 10:16	1
PCB-1232	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 10:16	1
PCB-1242	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 10:16	1
PCB-1248	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 10:16	1
PCB-1254	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 10:16	1
PCB-1260	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*24 - 150*	*10/22/15 14:39*	*10/23/15 10:16*	*1*
DCB Decachlorobiphenyl	*94*		*24 - 150*	*10/22/15 14:39*	*10/23/15 10:16*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.033**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 12:53	1
Calcium, Dissolved	**131**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 12:53	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 12:53	1
Magnesium, Dissolved	**61.6**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 12:53	1
Potassium, Dissolved	**4.3**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 12:53	1
Sodium, Dissolved	**64.5**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0052**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 09:43	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 09:43	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 09:43	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 09:43	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-250A

Date Collected: 10/14/15 11:44
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 09:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.5**		5.0	2.8	mg/L			10/20/15 01:45	10
Sulfate	**289**		20.0	3.5	mg/L			10/20/15 01:45	10
Total Organic Carbon	**0.67**	**J**	1.0	0.43	mg/L			10/26/15 09:43	1
Alkalinity, Total	**445**	**B**	5.0	0.79	mg/L			10/20/15 03:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.95**				SU			10/14/15 11:44	1
Field Conductivity	**1421**				umhos/cm			10/14/15 11:44	1
Field Temperature	**14.2**				Degrees C			10/14/15 11:44	1
Field Turbidity	**1.23**				NTU			10/14/15 11:44	1
Oxidation Reduction Potential	**-40.1**				millivolts			10/14/15 11:44	1
Oxygen, Dissolved	**0.07**				mg/L			10/14/15 11:44	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-233AR

Date Collected: 10/14/15 14:10
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-6

Matrix: Water

Method: 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			10/24/15 14:30	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 14:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 14:30	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 14:30	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 14:30	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 14:30	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 14:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 14:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 14:30	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 14:30	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 14:30	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 14:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 14:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 14:30	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 14:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 14:30	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 14:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 14:30	1
Acetone	ND		10	3.0	ug/L			10/24/15 14:30	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 14:30	1
Acrolein	ND		20	0.91	ug/L			10/24/15 14:30	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 14:30	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 14:30	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 14:30	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 14:30	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 14:30	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 14:30	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 14:30	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 14:30	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 14:30	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 14:30	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 14:30	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 14:30	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 14:30	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 14:30	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 14:30	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 14:30	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 14:30	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 14:30	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 14:30	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 14:30	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 14:30	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 14:30	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 14:30	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 14:30	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 14:30	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 14:30	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 14:30	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 14:30	1

Client Sample ID: MP-233AR

Date Collected: 10/14/15 14:10
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-6
Matrix: Water

Method: 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			10/24/15 14:30	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 14:30	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 14:30	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 14:30	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 14:30	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 14:30	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 14:30	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 14:30	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 14:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 14:30	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*86 - 118*		*10/24/15 14:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*86 - 115*		*10/24/15 14:30*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/24/15 14:30*	*1*

Method: 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		10/21/15 12:46	10/21/15 22:35	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/21/15 12:46	10/21/15 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:03	1
PCB-1221	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:03	1
PCB-1232	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:03	1
PCB-1242	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:03	1
PCB-1248	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:03	1
PCB-1254	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 11:03	1
PCB-1260	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:03*	*1*
DCB Decachlorobiphenyl	*86*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:03*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.022**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 12:56	1
Calcium, Dissolved	**161**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 12:56	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 12:56	1
Magnesium, Dissolved	**61.7**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 12:56	1
Potassium, Dissolved	**2.2**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 12:56	1
Sodium, Dissolved	**65.7**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0090**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 09:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 09:48	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 09:48	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 09:48	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-233AR

Date Collected: 10/14/15 14:10
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 09:48	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.7**		5.0	2.8	mg/L			10/20/15 01:59	10
Sulfate	**388**		20.0	3.5	mg/L			10/20/15 01:59	10
Total Organic Carbon	**2.0**		1.0	0.43	mg/L			10/26/15 10:12	1
Alkalinity, Total	**434**	**B**	5.0	0.79	mg/L			10/20/15 03:50	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.12**				SU			10/14/15 14:10	1
Field Conductivity	**1542**				umhos/cm			10/14/15 14:10	1
Field Temperature	**17.5**				Degrees C			10/14/15 14:10	1
Field Turbidity	**5.17**				NTU			10/14/15 14:10	1
Oxidation Reduction Potential	**-20.9**				millivolts			10/14/15 14:10	1
Oxygen, Dissolved	**0.79**				mg/L			10/14/15 14:10	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-244ARR

Date Collected: 10/14/15 12:52
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-7

Matrix: Water

Method: 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			10/24/15 14:53	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 14:53	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 14:53	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 14:53	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 14:53	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 14:53	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 14:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 14:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 14:53	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 14:53	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 14:53	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 14:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 14:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 14:53	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 14:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 14:53	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 14:53	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 14:53	1
Acetone	ND		10	3.0	ug/L			10/24/15 14:53	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 14:53	1
Acrolein	ND		20	0.91	ug/L			10/24/15 14:53	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 14:53	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 14:53	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 14:53	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 14:53	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 14:53	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 14:53	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 14:53	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 14:53	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 14:53	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 14:53	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 14:53	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 14:53	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 14:53	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 14:53	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 14:53	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 14:53	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 14:53	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 14:53	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 14:53	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 14:53	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 14:53	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 14:53	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 14:53	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 14:53	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 14:53	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 14:53	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 14:53	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 14:53	1

Client Sample ID: MP-244ARR

Date Collected: 10/14/15 12:52
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-7
Matrix: Water

Method: 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			10/24/15 14:53	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 14:53	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 14:53	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 14:53	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 14:53	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 14:53	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 14:53	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 14:53	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 14:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 14:53	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*10/24/15 14:53*	*1*
4-Bromofluorobenzene (Surr)	*106*		*86 - 115*		*10/24/15 14:53*	*1*
Toluene-d8 (Surr)	*109*		*88 - 110*		*10/24/15 14:53*	*1*

Method: 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		10/21/15 12:46	10/21/15 23:03	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/21/15 12:46	10/21/15 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:19	1
PCB-1221	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:19	1
PCB-1232	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:19	1
PCB-1242	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:19	1
PCB-1248	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:19	1
PCB-1254	ND		0.47	0.23	ug/L		10/22/15 14:39	10/23/15 11:19	1
PCB-1260	ND		0.47	0.23	ug/L		10/22/15 14:39	10/23/15 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:19*	*1*
DCB Decachlorobiphenyl	*92*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:19*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.061**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:00	1
Calcium, Dissolved	**132**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:00	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:00	1
Magnesium, Dissolved	**67.3**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:00	1
Potassium, Dissolved	**1.4**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:00	1
Sodium, Dissolved	**46.5**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.016**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 09:54	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 09:54	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 09:54	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 09:54	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-244ARR

Date Collected: 10/14/15 12:52
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 09:54	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.6**		5.0	2.8	mg/L			10/20/15 03:41	10
Sulfate	**193**		20.0	3.5	mg/L			10/20/15 03:41	10
Total Organic Carbon	**0.95**	**J B**	1.0	0.43	mg/L			10/25/15 21:01	1
Alkalinity, Total	**488**	**B**	5.0	0.79	mg/L			10/20/15 03:58	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.04**				SU			10/14/15 12:52	1
Field Conductivity	**1253**				umhos/cm			10/14/15 12:52	1
Field Temperature	**15.2**				Degrees C			10/14/15 12:52	1
Field Turbidity	**0.03**				NTU			10/14/15 12:52	1
Oxidation Reduction Potential	**-91.4**				millivolts			10/14/15 12:52	1
Oxygen, Dissolved	**0.44**				mg/L			10/14/15 12:52	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-244R

Date Collected: 10/14/15 12:40
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-8

Matrix: Water

Method: 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			10/24/15 15:16	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 15:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 15:16	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 15:16	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 15:16	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 15:16	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 15:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 15:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 15:16	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 15:16	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 15:16	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 15:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 15:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 15:16	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 15:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 15:16	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 15:16	1
Acetone	ND		10	3.0	ug/L			10/24/15 15:16	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 15:16	1
Acrolein	ND		20	0.91	ug/L			10/24/15 15:16	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 15:16	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 15:16	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 15:16	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 15:16	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 15:16	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 15:16	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 15:16	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 15:16	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 15:16	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 15:16	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 15:16	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 15:16	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 15:16	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 15:16	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 15:16	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 15:16	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 15:16	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 15:16	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 15:16	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 15:16	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 15:16	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 15:16	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 15:16	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 15:16	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 15:16	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 15:16	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 15:16	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 15:16	1

Client Sample ID: MP-244R

Date Collected: 10/14/15 12:40
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-8

Matrix: Water

Method: 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			10/24/15 15:16	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 15:16	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 15:16	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 15:16	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 15:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 15:16	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 15:16	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 15:16	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 15:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 15:16	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*86 - 118*		*10/24/15 15:16*	*1*
4-Bromofluorobenzene (Surr)	*107*		*86 - 115*		*10/24/15 15:16*	*1*
Toluene-d8 (Surr)	*109*		*88 - 110*		*10/24/15 15:16*	*1*

Method: 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		10/21/15 12:46	10/21/15 23:57	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/21/15 12:46	10/21/15 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:35	1
PCB-1221	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:35	1
PCB-1232	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:35	1
PCB-1242	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:35	1
PCB-1248	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 11:35	1
PCB-1254	ND		0.47	0.23	ug/L		10/22/15 14:39	10/23/15 11:35	1
PCB-1260	ND		0.47	0.23	ug/L		10/22/15 14:39	10/23/15 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:35*	*1*
DCB Decachlorobiphenyl	*96*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:35*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.021**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:13	1
Calcium, Dissolved	**57.6**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:13	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:13	1
Magnesium, Dissolved	**33.7**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:13	1
Potassium, Dissolved	**8.5**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:13	1
Sodium, Dissolved	**150**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:13	1

Method: 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		10/19/15 11:25	10/23/15 09:59	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 09:59	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 09:59	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 09:59	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-244R

Date Collected: 10/14/15 12:40
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 09:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**175**		2.5	1.4	mg/L			10/20/15 03:56	5
Sulfate	**139**		10.0	1.7	mg/L			10/20/15 03:56	5
Total Organic Carbon	ND		1.0	0.43	mg/L			10/25/15 21:56	1
Alkalinity, Total	**281**	**B**	5.0	0.79	mg/L			10/20/15 04:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.48**				SU			10/14/15 12:40	1
Field Conductivity	**1293**				umhos/cm			10/14/15 12:40	1
Field Temperature	**15.9**				Degrees C			10/14/15 12:40	1
Field Turbidity	**0.04**				NTU			10/14/15 12:40	1
Oxidation Reduction Potential	**-97.2**				millivolts			10/14/15 12:40	1
Oxygen, Dissolved	**0.68**				mg/L			10/14/15 12:40	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-407

Date Collected: 10/14/15 13:35
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-9

Matrix: Water

Method: 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			10/24/15 15:39	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 15:39	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 15:39	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 15:39	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 15:39	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 15:39	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 15:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 15:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 15:39	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 15:39	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 15:39	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 15:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 15:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 15:39	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 15:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 15:39	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 15:39	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 15:39	1
Acetone	ND		10	3.0	ug/L			10/24/15 15:39	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 15:39	1
Acrolein	ND		20	0.91	ug/L			10/24/15 15:39	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 15:39	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 15:39	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 15:39	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 15:39	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 15:39	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 15:39	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 15:39	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 15:39	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 15:39	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 15:39	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 15:39	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 15:39	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 15:39	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 15:39	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 15:39	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 15:39	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 15:39	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 15:39	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 15:39	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 15:39	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 15:39	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 15:39	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 15:39	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 15:39	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 15:39	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 15:39	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 15:39	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 15:39	1

Client Sample ID: MP-407

Date Collected: 10/14/15 13:35
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-9

Matrix: Water

Method: 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			10/24/15 15:39	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 15:39	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 15:39	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 15:39	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 15:39	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 15:39	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 15:39	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 15:39	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 15:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 15:39	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/24/15 15:39*	*1*
4-Bromofluorobenzene (Surr)	*102*		*86 - 115*		*10/24/15 15:39*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/24/15 15:39*	*1*

Method: 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		10/21/15 12:46	10/22/15 00:25	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/21/15 12:46	10/22/15 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:51	1
PCB-1221	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:51	1
PCB-1232	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:51	1
PCB-1242	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:51	1
PCB-1248	ND		0.48	0.17	ug/L		10/22/15 14:39	10/23/15 11:51	1
PCB-1254	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 11:51	1
PCB-1260	ND		0.48	0.24	ug/L		10/22/15 14:39	10/23/15 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:51*	*1*
DCB Decachlorobiphenyl	*84*		*24 - 150*	*10/22/15 14:39*	*10/23/15 11:51*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.71**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:16	1
Calcium, Dissolved	**78.6**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:16	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:16	1
Magnesium, Dissolved	**47.5**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:16	1
Potassium, Dissolved	**6.7**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:16	1
Sodium, Dissolved	**214**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0039**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 10:05	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 10:05	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 10:05	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 10:05	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-407

Date Collected: 10/14/15 13:35
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 10:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**497**		5.0	2.8	mg/L			10/20/15 04:11	10
Sulfate	ND		20.0	3.5	mg/L			10/20/15 04:11	10
Total Organic Carbon	**2.5**	**B**	1.0	0.43	mg/L			10/25/15 22:52	1
Alkalinity, Total	**229**	**B**	5.0	0.79	mg/L			10/20/15 04:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.39**				SU			10/14/15 13:35	1
Field Conductivity	**1946**				umhos/cm			10/14/15 13:35	1
Field Temperature	**17.0**				Degrees C			10/14/15 13:35	1
Field Turbidity	**1.29**				NTU			10/14/15 13:35	1
Oxidation Reduction Potential	**-113.4**				millivolts			10/14/15 13:35	1
Oxygen, Dissolved	**0.03**				mg/L			10/14/15 13:35	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-401A

Date Collected: 10/14/15 12:54
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-10

Matrix: Water

Method: 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			10/24/15 16:01	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 16:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 16:01	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 16:01	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 16:01	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 16:01	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 16:01	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 16:01	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 16:01	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 16:01	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 16:01	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 16:01	1
Acetone	ND		10	3.0	ug/L			10/24/15 16:01	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 16:01	1
Acrolein	ND		20	0.91	ug/L			10/24/15 16:01	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 16:01	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 16:01	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 16:01	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 16:01	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 16:01	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 16:01	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 16:01	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 16:01	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 16:01	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 16:01	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 16:01	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 16:01	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 16:01	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 16:01	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 16:01	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 16:01	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 16:01	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 16:01	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 16:01	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 16:01	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 16:01	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 16:01	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 16:01	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 16:01	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 16:01	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 16:01	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 16:01	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 16:01	1

Client Sample ID: MP-401A

Lab Sample ID: 480-89266-10

Date Collected: 10/14/15 12:54
Matrix: Water
Date Received: 10/16/15 09:00

Method: 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			10/24/15 16:01	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 16:01	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 16:01	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 16:01	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 16:01	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 16:01	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 16:01	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 16:01	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 16:01	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/24/15 16:01*	*1*
4-Bromofluorobenzene (Surr)	*106*		*86 - 115*		*10/24/15 16:01*	*1*
Toluene-d8 (Surr)	*108*		*88 - 110*		*10/24/15 16:01*	*1*

Method: 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		10/21/15 12:46	10/22/15 00:52	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/21/15 12:46	10/22/15 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:07	1
PCB-1221	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:07	1
PCB-1232	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:07	1
PCB-1242	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:07	1
PCB-1248	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:07	1
PCB-1254	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 12:07	1
PCB-1260	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:07*	*1*
DCB Decachlorobiphenyl	*96*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:07*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.038**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:19	1
Calcium, Dissolved	**172**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:19	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:19	1
Magnesium, Dissolved	**80.6**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:19	1
Potassium, Dissolved	**1.9**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:19	1
Sodium, Dissolved	**85.7**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 10:34	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 10:34	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 10:34	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 10:34	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-401A

Date Collected: 10/14/15 12:54
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 10:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		2.5	1.4	mg/L			10/20/15 04:25	5
Sulfate	**372**		10.0	1.7	mg/L			10/20/15 04:25	5
Total Organic Carbon	**1.6**	**B**	1.0	0.43	mg/L			10/25/15 23:20	1
Alkalinity, Total	**466**	**B**	5.0	0.79	mg/L			10/20/15 04:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.72**				SU			10/14/15 12:54	1
Field Conductivity	**1872**				umhos/cm			10/14/15 12:54	1
Field Temperature	**17.6**				Degrees C			10/14/15 12:54	1
Field Turbidity	**1.27**				NTU			10/14/15 12:54	1
Oxidation Reduction Potential	**58.6**				millivolts			10/14/15 12:54	1
Oxygen, Dissolved	**0.16**				mg/L			10/14/15 12:54	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-401B

Date Collected: 10/14/15 13:32
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-11

Matrix: Water

Method: 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			10/24/15 16:23	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 16:23	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 16:23	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 16:23	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 16:23	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 16:23	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 16:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 16:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 16:23	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 16:23	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 16:23	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 16:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 16:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 16:23	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 16:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 16:23	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 16:23	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 16:23	1
Acetone	ND		10	3.0	ug/L			10/24/15 16:23	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 16:23	1
Acrolein	ND		20	0.91	ug/L			10/24/15 16:23	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 16:23	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 16:23	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 16:23	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 16:23	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 16:23	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 16:23	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 16:23	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 16:23	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 16:23	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 16:23	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 16:23	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 16:23	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 16:23	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 16:23	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 16:23	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 16:23	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 16:23	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 16:23	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 16:23	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 16:23	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 16:23	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 16:23	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 16:23	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 16:23	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 16:23	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 16:23	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 16:23	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 16:23	1

Client Sample ID: MP-401B

Lab Sample ID: 480-89266-11

Date Collected: 10/14/15 13:32
Date Received: 10/16/15 09:00

Matrix: Water

Method: 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			10/24/15 16:23	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 16:23	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 16:23	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 16:23	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 16:23	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 16:23	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 16:23	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 16:23	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 16:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 16:23	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*10/24/15 16:23*	*1*
4-Bromofluorobenzene (Surr)	*105*		*86 - 115*		*10/24/15 16:23*	*1*
Toluene-d8 (Surr)	*107*		*88 - 110*		*10/24/15 16:23*	*1*

Method: 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		10/21/15 12:46	10/22/15 01:19	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/21/15 12:46	10/22/15 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:23	1
PCB-1221	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:23	1
PCB-1232	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:23	1
PCB-1242	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:23	1
PCB-1248	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:23	1
PCB-1254	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 12:23	1
PCB-1260	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:23*	*1*
DCB Decachlorobiphenyl	*87*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:23*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.042**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:23	1
Calcium, Dissolved	**132**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:23	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:23	1
Magnesium, Dissolved	**61.1**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:23	1
Potassium, Dissolved	**2.7**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:23	1
Sodium, Dissolved	**58.9**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0056**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 10:39	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 10:39	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 10:39	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 10:39	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-401B

Date Collected: 10/14/15 13:32
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 10:39	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.1**		2.5	1.4	mg/L			10/19/15 22:55	5
Sulfate	**261**		10.0	1.7	mg/L			10/19/15 22:55	5
Total Organic Carbon	ND		1.0	0.43	mg/L			10/25/15 23:48	1
Alkalinity, Total	**453**	**B**	5.0	0.79	mg/L			10/20/15 04:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.06**				SU			10/14/15 13:32	1
Field Conductivity	**1399**				umhos/cm			10/14/15 13:32	1
Field Temperature	**15.8**				Degrees C			10/14/15 13:32	1
Field Turbidity	**10.0**				NTU			10/14/15 13:32	1
Oxidation Reduction Potential	**-101.7**				millivolts			10/14/15 13:32	1
Oxygen, Dissolved	**0.17**				mg/L			10/14/15 13:32	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPICATE DMP #3

Lab Sample ID: 480-89266-12

Date Collected: 10/14/15 12:54
Matrix: Water
Date Received: 10/16/15 09:00

Method: 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			10/24/15 16:46	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 16:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 16:46	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 16:46	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 16:46	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 16:46	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 16:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 16:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 16:46	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 16:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 16:46	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 16:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 16:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 16:46	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 16:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 16:46	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 16:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 16:46	1
Acetone	ND		10	3.0	ug/L			10/24/15 16:46	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 16:46	1
Acrolein	ND		20	0.91	ug/L			10/24/15 16:46	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 16:46	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 16:46	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 16:46	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 16:46	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 16:46	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 16:46	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 16:46	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 16:46	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 16:46	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 16:46	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 16:46	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 16:46	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 16:46	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 16:46	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 16:46	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 16:46	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 16:46	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 16:46	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 16:46	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 16:46	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 16:46	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 16:46	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 16:46	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 16:46	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 16:46	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 16:46	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 16:46	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 16:46	1

Client Sample ID: DUPICATE DMP #3

Lab Sample ID: 480-89266-12

Date Collected: 10/14/15 12:54
Matrix: Water
Date Received: 10/16/15 09:00

Method: 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			10/24/15 16:46	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 16:46	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 16:46	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 16:46	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 16:46	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 16:46	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 16:46	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 16:46	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 16:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 16:46	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*86 - 118*		*10/24/15 16:46*	*1*
4-Bromofluorobenzene (Surr)	*101*		*86 - 115*		*10/24/15 16:46*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/24/15 16:46*	*1*

Method: 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		10/21/15 12:46	10/22/15 01:46	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/21/15 12:46	10/22/15 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 12:38	1
PCB-1221	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 12:38	1
PCB-1232	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 12:38	1
PCB-1242	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 12:38	1
PCB-1248	ND		0.47	0.16	ug/L		10/22/15 14:39	10/23/15 12:38	1
PCB-1254	ND		0.47	0.23	ug/L		10/22/15 14:39	10/23/15 12:38	1
PCB-1260	ND		0.47	0.23	ug/L		10/22/15 14:39	10/23/15 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:38*	*1*
DCB Decachlorobiphenyl	*86*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:38*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.038**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:26	1
Calcium, Dissolved	**175**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:26	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:26	1
Magnesium, Dissolved	**81.7**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:26	1
Potassium, Dissolved	**1.9**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:26	1
Sodium, Dissolved	**87.0**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:26	1

Method: 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		10/19/15 11:25	10/23/15 10:45	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 10:45	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 10:45	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 10:45	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPICATE DMP #3

Lab Sample ID: 480-89266-12

Date Collected: 10/14/15 12:54
Matrix: Water
Date Received: 10/16/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 10:45	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		1.0	0.56	mg/L			10/19/15 23:03	2
Sulfate	**360**		10.0	1.7	mg/L			10/21/15 18:04	5
Total Organic Carbon	**1.6**	**B**	1.0	0.43	mg/L			10/26/15 00:16	1
Alkalinity, Total	**465**	**B**	5.0	0.79	mg/L			10/20/15 04:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.72**				SU			10/14/15 12:54	1
Field Conductivity	**1872**				umhos/cm			10/14/15 12:54	1
Field Temperature	**17.5**				Degrees C			10/14/15 12:54	1
Field Turbidity	**0.81**				NTU			10/14/15 12:54	1
Oxidation Reduction Potential	**58.3**				millivolts			10/14/15 12:54	1
Oxygen, Dissolved	**0.16**				mg/L			10/14/15 12:54	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-238R

Date Collected: 10/13/15 14:23
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-13

Matrix: Water

Method: 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			10/24/15 17:08	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 17:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 17:08	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 17:08	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 17:08	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 17:08	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 17:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 17:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 17:08	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 17:08	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 17:08	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 17:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 17:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 17:08	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 17:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 17:08	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 17:08	1
Acetone	ND		10	3.0	ug/L			10/24/15 17:08	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 17:08	1
Acrolein	ND		20	0.91	ug/L			10/24/15 17:08	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 17:08	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 17:08	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 17:08	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 17:08	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 17:08	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 17:08	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 17:08	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 17:08	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 17:08	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 17:08	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 17:08	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 17:08	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 17:08	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 17:08	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 17:08	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 17:08	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 17:08	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 17:08	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 17:08	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 17:08	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 17:08	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 17:08	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 17:08	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 17:08	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 17:08	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 17:08	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 17:08	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 17:08	1

Client Sample ID: MP-238R

Date Collected: 10/13/15 14:23
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-13

Matrix: Water

Method: 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			10/24/15 17:08	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 17:08	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 17:08	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 17:08	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 17:08	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 17:08	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 17:08	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 17:08	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 17:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 17:08	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*86 - 118*		*10/24/15 17:08*	*1*
4-Bromofluorobenzene (Surr)	*106*		*86 - 115*		*10/24/15 17:08*	*1*
Toluene-d8 (Surr)	*108*		*88 - 110*		*10/24/15 17:08*	*1*

Method: 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		10/22/15 12:16	10/22/15 21:57	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/22/15 12:16	10/22/15 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:54	1
PCB-1221	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:54	1
PCB-1232	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:54	1
PCB-1242	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:54	1
PCB-1248	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 12:54	1
PCB-1254	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 12:54	1
PCB-1260	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:54*	*1*
DCB Decachlorobiphenyl	*83*		*24 - 150*	*10/22/15 14:39*	*10/23/15 12:54*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.042**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:29	1
Calcium, Dissolved	**55.6**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:29	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:29	1
Magnesium, Dissolved	**32.7**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:29	1
Potassium, Dissolved	**4.3**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:29	1
Sodium, Dissolved	**79.2**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00045**	**J**	0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 10:51	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 10:51	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 10:51	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 10:51	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-238R

Date Collected: 10/13/15 14:23
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 10:51	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.3**		5.0	2.8	mg/L			10/19/15 23:11	10
Sulfate	**166**		20.0	3.5	mg/L			10/19/15 23:11	10
Total Organic Carbon	ND		1.0	0.43	mg/L			10/26/15 01:40	1
Alkalinity, Total	**285**	**B**	5.0	0.79	mg/L			10/20/15 05:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.36**				SU			10/13/15 14:23	1
Field Conductivity	**957**				umhos/cm			10/13/15 14:23	1
Field Temperature	**16.6**				Degrees C			10/13/15 14:23	1
Field Turbidity	**2.70**				NTU			10/13/15 14:23	1
Oxidation Reduction Potential	**33.4**				millivolts			10/13/15 14:23	1
Oxygen, Dissolved	**0.46**				mg/L			10/13/15 14:23	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-237

Date Collected: 10/13/15 15:27
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-14

Matrix: Water

Method: 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			10/24/15 17:31	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 17:31	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 17:31	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 17:31	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 17:31	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 17:31	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 17:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 17:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 17:31	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 17:31	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 17:31	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 17:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 17:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 17:31	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 17:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 17:31	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 17:31	1
Acetone	ND		10	3.0	ug/L			10/24/15 17:31	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 17:31	1
Acrolein	ND		20	0.91	ug/L			10/24/15 17:31	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 17:31	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 17:31	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 17:31	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 17:31	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 17:31	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 17:31	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 17:31	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 17:31	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 17:31	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 17:31	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 17:31	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 17:31	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 17:31	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 17:31	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 17:31	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 17:31	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 17:31	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 17:31	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 17:31	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 17:31	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 17:31	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 17:31	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 17:31	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 17:31	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 17:31	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 17:31	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 17:31	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 17:31	1

Client Sample ID: MP-237

Date Collected: 10/13/15 15:27
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-14

Matrix: Water

Method: 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			10/24/15 17:31	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 17:31	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 17:31	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 17:31	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 17:31	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 17:31	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 17:31	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 17:31	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 17:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 17:31	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*86 - 118*		*10/24/15 17:31*	*1*
4-Bromofluorobenzene (Surr)	*106*		*86 - 115*		*10/24/15 17:31*	*1*
Toluene-d8 (Surr)	*110*		*88 - 110*		*10/24/15 17:31*	*1*

Method: 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		10/22/15 12:16	10/22/15 22:24	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/22/15 12:16	10/22/15 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 13:10	1
PCB-1221	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 13:10	1
PCB-1232	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 13:10	1
PCB-1242	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 13:10	1
PCB-1248	ND		0.46	0.16	ug/L		10/22/15 14:39	10/23/15 13:10	1
PCB-1254	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 13:10	1
PCB-1260	ND		0.46	0.23	ug/L		10/22/15 14:39	10/23/15 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*24 - 150*	*10/22/15 14:39*	*10/23/15 13:10*	*1*
DCB Decachlorobiphenyl	*76*		*24 - 150*	*10/22/15 14:39*	*10/23/15 13:10*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.027**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:33	1
Calcium, Dissolved	**52.8**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:33	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:33	1
Magnesium, Dissolved	**33.3**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:33	1
Potassium, Dissolved	**6.8**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:33	1
Sodium, Dissolved	**109**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0012**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 10:56	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 10:56	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 10:56	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 10:56	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-237

Date Collected: 10/13/15 15:27
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 10:56	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 17:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		2.5	1.4	mg/L			10/19/15 23:20	5
Sulfate	**101**		10.0	1.7	mg/L			10/19/15 23:20	5
Total Organic Carbon	ND		1.0	0.43	mg/L			10/26/15 02:35	1
Alkalinity, Total	**277**	**B**	5.0	0.79	mg/L			10/20/15 05:12	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.51**				SU			10/13/15 15:27	1
Field Conductivity	**1196**				umhos/cm			10/13/15 15:27	1
Field Temperature	**14.3**				Degrees C			10/13/15 15:27	1
Field Turbidity	**3.97**				NTU			10/13/15 15:27	1
Oxidation Reduction Potential	**-79.5**				millivolts			10/13/15 15:27	1
Oxygen, Dissolved	**0.16**				mg/L			10/13/15 15:27	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-241R

Date Collected: 10/14/15 11:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-15

Matrix: Water

Method: 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			10/24/15 17:54	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 17:54	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 17:54	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 17:54	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 17:54	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 17:54	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 17:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 17:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 17:54	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 17:54	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 17:54	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 17:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 17:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 17:54	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 17:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 17:54	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 17:54	1
Acetone	ND		10	3.0	ug/L			10/24/15 17:54	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 17:54	1
Acrolein	ND		20	0.91	ug/L			10/24/15 17:54	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 17:54	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 17:54	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 17:54	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 17:54	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 17:54	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 17:54	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 17:54	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 17:54	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 17:54	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 17:54	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 17:54	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 17:54	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 17:54	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 17:54	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 17:54	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 17:54	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 17:54	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 17:54	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 17:54	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 17:54	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 17:54	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 17:54	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 17:54	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 17:54	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 17:54	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 17:54	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 17:54	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 17:54	1

Client Sample ID: MP-241R

Lab Sample ID: 480-89266-15

Date Collected: 10/14/15 11:20

Matrix: Water

Date Received: 10/16/15 09:00

Method: 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			10/24/15 17:54	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 17:54	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 17:54	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 17:54	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 17:54	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 17:54	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 17:54	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 17:54	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 17:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 17:54	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*10/24/15 17:54*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/24/15 17:54*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/24/15 17:54*	*1*

Method: 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		10/22/15 12:16	10/22/15 22:51	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/22/15 12:16	10/22/15 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.45	0.16	ug/L		10/22/15 14:39	10/23/15 13:26	1
PCB-1221	ND		0.45	0.16	ug/L		10/22/15 14:39	10/23/15 13:26	1
PCB-1232	ND		0.45	0.16	ug/L		10/22/15 14:39	10/23/15 13:26	1
PCB-1242	ND		0.45	0.16	ug/L		10/22/15 14:39	10/23/15 13:26	1
PCB-1248	ND		0.45	0.16	ug/L		10/22/15 14:39	10/23/15 13:26	1
PCB-1254	ND		0.45	0.23	ug/L		10/22/15 14:39	10/23/15 13:26	1
PCB-1260	ND		0.45	0.23	ug/L		10/22/15 14:39	10/23/15 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*24 - 150*	*10/22/15 14:39*	*10/23/15 13:26*	*1*
DCB Decachlorobiphenyl	*89*		*24 - 150*	*10/22/15 14:39*	*10/23/15 13:26*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.043**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:36	1
Calcium, Dissolved	**34.7**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:36	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:36	1
Magnesium, Dissolved	**26.0**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:36	1
Potassium, Dissolved	**4.8**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:36	1
Sodium, Dissolved	**97.2**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:36	1

Method: 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		10/19/15 11:25	10/23/15 11:02	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 11:02	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 11:02	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 11:02	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-241R

Date Collected: 10/14/15 11:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 11:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.1**		1.0	0.56	mg/L			10/19/15 23:28	2
Sulfate	**86.5**		4.0	0.70	mg/L			10/19/15 23:28	2
Total Organic Carbon	ND		1.0	0.43	mg/L			10/26/15 03:31	1
Alkalinity, Total	**250**	**B**	5.0	0.79	mg/L			10/20/15 05:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.83**				SU			10/14/15 11:20	1
Field Conductivity	**961**				umhos/cm			10/14/15 11:20	1
Field Temperature	**15.4**				Degrees C			10/14/15 11:20	1
Field Turbidity	**2.27**				NTU			10/14/15 11:20	1
Oxidation Reduction Potential	**-131.2**				millivolts			10/14/15 11:20	1
Oxygen, Dissolved	**0.26**				mg/L			10/14/15 11:20	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-228AR

Date Collected: 10/14/15 08:18
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-16

Matrix: Water

Method: 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			10/24/15 18:16	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 18:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 18:16	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 18:16	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 18:16	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 18:16	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 18:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 18:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 18:16	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 18:16	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 18:16	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 18:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 18:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 18:16	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 18:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 18:16	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 18:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 18:16	1
Acetone	ND		10	3.0	ug/L			10/24/15 18:16	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 18:16	1
Acrolein	ND		20	0.91	ug/L			10/24/15 18:16	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 18:16	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 18:16	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 18:16	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 18:16	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 18:16	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 18:16	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 18:16	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 18:16	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 18:16	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 18:16	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 18:16	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 18:16	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 18:16	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 18:16	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 18:16	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 18:16	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 18:16	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 18:16	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 18:16	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 18:16	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 18:16	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 18:16	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 18:16	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 18:16	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 18:16	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 18:16	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 18:16	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 18:16	1

Client Sample ID: MP-228AR

Lab Sample ID: 480-89266-16

Date Collected: 10/14/15 08:18
Matrix: Water
Date Received: 10/16/15 09:00

Method: 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			10/24/15 18:16	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 18:16	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 18:16	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 18:16	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 18:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 18:16	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 18:16	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 18:16	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 18:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 18:16	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*86 - 118*		*10/24/15 18:16*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/24/15 18:16*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/24/15 18:16*	*1*

Method: 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		10/22/15 12:16	10/22/15 23:18	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/22/15 12:16	10/22/15 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:15	1
PCB-1221	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:15	1
PCB-1232	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:15	1
PCB-1242	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:15	1
PCB-1248	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:15	1
PCB-1254	ND		0.46	0.23	ug/L		10/23/15 08:29	10/23/15 17:15	1
PCB-1260	ND		0.46	0.23	ug/L		10/23/15 08:29	10/23/15 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*24 - 150*	*10/23/15 08:29*	*10/23/15 17:15*	*1*
DCB Decachlorobiphenyl	*78*		*24 - 150*	*10/23/15 08:29*	*10/23/15 17:15*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.026**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:39	1
Calcium, Dissolved	**146**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:39	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:39	1
Magnesium, Dissolved	**62.5**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:39	1
Potassium, Dissolved	**1.9**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:39	1
Sodium, Dissolved	**59.9**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0076**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 11:07	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 11:07	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 11:07	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 11:07	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-228AR

Date Collected: 10/14/15 08:18
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 11:07	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.1**		5.0	2.8	mg/L			10/20/15 00:08	10
Sulfate	**301**		20.0	3.5	mg/L			10/20/15 00:08	10
Total Organic Carbon	**1.1**	**B**	1.0	0.43	mg/L			10/26/15 03:59	1
Alkalinity, Total	**424**		5.0	0.79	mg/L			10/20/15 05:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.67**				SU			10/14/15 08:18	1
Field Conductivity	**1555**				umhos/cm			10/14/15 08:18	1
Field Temperature	**13.4**				Degrees C			10/14/15 08:18	1
Field Turbidity	**1.85**				NTU			10/14/15 08:18	1
Oxidation Reduction Potential	**-51.3**				millivolts			10/14/15 08:18	1
Oxygen, Dissolved	**0.05**				mg/L			10/14/15 08:18	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-230A

Date Collected: 10/14/15 09:40
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-17

Matrix: Water

Method: 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			10/24/15 18:39	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 18:39	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 18:39	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 18:39	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 18:39	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 18:39	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 18:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 18:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 18:39	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 18:39	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 18:39	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 18:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 18:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 18:39	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 18:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 18:39	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 18:39	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 18:39	1
Acetone	ND		10	3.0	ug/L			10/24/15 18:39	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 18:39	1
Acrolein	ND		20	0.91	ug/L			10/24/15 18:39	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 18:39	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 18:39	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 18:39	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 18:39	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 18:39	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 18:39	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 18:39	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 18:39	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 18:39	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 18:39	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 18:39	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 18:39	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 18:39	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 18:39	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 18:39	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 18:39	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 18:39	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 18:39	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 18:39	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 18:39	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 18:39	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 18:39	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 18:39	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 18:39	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 18:39	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 18:39	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 18:39	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 18:39	1

Client Sample ID: MP-230A

Lab Sample ID: 480-89266-17

Date Collected: 10/14/15 09:40
Matrix: Water
Date Received: 10/16/15 09:00

Method: 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			10/24/15 18:39	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 18:39	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 18:39	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 18:39	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 18:39	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 18:39	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 18:39	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 18:39	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 18:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 18:39	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*86 - 118*		*10/24/15 18:39*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/24/15 18:39*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/24/15 18:39*	*1*

Method: 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		10/22/15 12:16	10/22/15 23:45	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/22/15 12:16	10/22/15 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:30	1
PCB-1221	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:30	1
PCB-1232	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:30	1
PCB-1242	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:30	1
PCB-1248	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 17:30	1
PCB-1254	ND		0.46	0.23	ug/L		10/23/15 08:29	10/23/15 17:30	1
PCB-1260	ND		0.46	0.23	ug/L		10/23/15 08:29	10/23/15 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*24 - 150*	*10/23/15 08:29*	*10/23/15 17:30*	*1*
DCB Decachlorobiphenyl	*83*		*24 - 150*	*10/23/15 08:29*	*10/23/15 17:30*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.037**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:52	1
Calcium, Dissolved	**124**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:52	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:52	1
Magnesium, Dissolved	**52.4**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:52	1
Potassium, Dissolved	**2.8**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:52	1
Sodium, Dissolved	**56.4**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:52	1

Method: 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		10/19/15 11:25	10/23/15 11:13	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 11:13	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 11:13	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 11:13	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-230A

Date Collected: 10/14/15 09:40
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 11:13	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.7**		5.0	2.8	mg/L			10/20/15 00:17	10
Sulfate	**258**		20.0	3.5	mg/L			10/20/15 00:17	10
Total Organic Carbon	**0.76**	**J B**	1.0	0.43	mg/L			10/26/15 04:27	1
Alkalinity, Total	**352**	**F1**	5.0	0.79	mg/L			10/20/15 06:04	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.87**				SU			10/14/15 09:40	1
Field Conductivity	**1268**				umhos/cm			10/14/15 09:40	1
Field Temperature	**14.7**				Degrees C			10/14/15 09:40	1
Field Turbidity	**1.14**				NTU			10/14/15 09:40	1
Oxidation Reduction Potential	**-169.5**				millivolts			10/14/15 09:40	1
Oxygen, Dissolved	**0.16**				mg/L			10/14/15 09:40	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-232A

Date Collected: 10/14/15 10:28
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-18

Matrix: Water

Method: 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			10/25/15 00:47	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/25/15 00:47	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/25/15 00:47	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/25/15 00:47	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/25/15 00:47	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/25/15 00:47	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/25/15 00:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/15 00:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/15 00:47	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/25/15 00:47	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/25/15 00:47	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/25/15 00:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/15 00:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/15 00:47	1
1,4-Dioxane	ND		40	9.3	ug/L			10/25/15 00:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/15 00:47	1
2-Hexanone	ND		10	1.2	ug/L			10/25/15 00:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/25/15 00:47	1
Acetone	ND		10	3.0	ug/L			10/25/15 00:47	1
Acetonitrile	ND		170	4.9	ug/L			10/25/15 00:47	1
Acrolein	ND		20	0.91	ug/L			10/25/15 00:47	1
Acrylonitrile	ND		20	0.83	ug/L			10/25/15 00:47	1
Allyl chloride	ND		2.0	0.44	ug/L			10/25/15 00:47	1
Benzene	ND		2.0	0.41	ug/L			10/25/15 00:47	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/25/15 00:47	1
Bromoform	ND		2.0	0.26	ug/L			10/25/15 00:47	1
Bromomethane	ND		2.0	0.69	ug/L			10/25/15 00:47	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/25/15 00:47	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/25/15 00:47	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/25/15 00:47	1
Chloroethane	ND		2.0	0.32	ug/L			10/25/15 00:47	1
Chloroform	ND		2.0	0.34	ug/L			10/25/15 00:47	1
Chloromethane	ND		2.0	0.35	ug/L			10/25/15 00:47	1
Chloroprene	ND		2.0	0.49	ug/L			10/25/15 00:47	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/25/15 00:47	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/25/15 00:47	1
Dibromomethane	ND		2.0	0.41	ug/L			10/25/15 00:47	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/25/15 00:47	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/25/15 00:47	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/25/15 00:47	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/25/15 00:47	1
Iodomethane	ND		2.0	0.30	ug/L			10/25/15 00:47	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/25/15 00:47	1
Methacrylonitrile	ND		10	0.69	ug/L			10/25/15 00:47	1
Methyl methacrylate	ND		10	0.61	ug/L			10/25/15 00:47	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/25/15 00:47	1
Naphthalene	ND		1.0	0.43	ug/L			10/25/15 00:47	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/25/15 00:47	1
Propionitrile	ND		50	5.8	ug/L			10/25/15 00:47	1

Client Sample ID: MP-232A

Lab Sample ID: 480-89266-18

Date Collected: 10/14/15 10:28
Matrix: Water
Date Received: 10/16/15 09:00

Method: 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			10/25/15 00:47	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/25/15 00:47	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/25/15 00:47	1
Toluene	ND		2.0	0.51	ug/L			10/25/15 00:47	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/25/15 00:47	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/25/15 00:47	1
Trichloroethene	ND		2.0	0.46	ug/L			10/25/15 00:47	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/25/15 00:47	1
Vinyl acetate	ND		10	0.85	ug/L			10/25/15 00:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/15 00:47	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/25/15 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/25/15 00:47*	*1*
4-Bromofluorobenzene (Surr)	*106*		*86 - 115*		*10/25/15 00:47*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/25/15 00:47*	*1*

Method: 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		10/22/15 12:16	10/23/15 00:12	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/22/15 12:16	10/23/15 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/23/15 08:29	10/23/15 17:46	1
PCB-1221	ND		0.47	0.17	ug/L		10/23/15 08:29	10/23/15 17:46	1
PCB-1232	ND		0.47	0.17	ug/L		10/23/15 08:29	10/23/15 17:46	1
PCB-1242	ND		0.47	0.17	ug/L		10/23/15 08:29	10/23/15 17:46	1
PCB-1248	ND		0.47	0.17	ug/L		10/23/15 08:29	10/23/15 17:46	1
PCB-1254	ND		0.47	0.24	ug/L		10/23/15 08:29	10/23/15 17:46	1
PCB-1260	ND		0.47	0.24	ug/L		10/23/15 08:29	10/23/15 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*24 - 150*	*10/23/15 08:29*	*10/23/15 17:46*	*1*
DCB Decachlorobiphenyl	*73*		*24 - 150*	*10/23/15 08:29*	*10/23/15 17:46*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.029**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 13:56	1
Calcium, Dissolved	**166**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 13:56	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 13:56	1
Magnesium, Dissolved	**71.1**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 13:56	1
Potassium, Dissolved	**2.4**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 13:56	1
Sodium, Dissolved	**67.5**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0068**		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 11:18	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 11:18	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 11:18	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 11:18	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-232A

Date Collected: 10/14/15 10:28
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 11:18	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.8**		5.0	2.8	mg/L			10/20/15 00:25	10
Sulfate	**343**		20.0	3.5	mg/L			10/20/15 00:25	10
Total Organic Carbon	**2.1**	**B**	1.0	0.43	mg/L			10/26/15 04:54	1
Alkalinity, Total	**436**		5.0	0.79	mg/L			10/20/15 06:19	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.78**				SU			10/14/15 10:28	1
Field Conductivity	**1722**				umhos/cm			10/14/15 10:28	1
Field Temperature	**14.6**				Degrees C			10/14/15 10:28	1
Field Turbidity	**1.00**				NTU			10/14/15 10:28	1
Oxidation Reduction Potential	**-13.7**				millivolts			10/14/15 10:28	1
Oxygen, Dissolved	**0.11**				mg/L			10/14/15 10:28	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-281

Date Collected: 10/14/15 09:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-19

Matrix: Water

Method: 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			10/25/15 01:09	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/25/15 01:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/25/15 01:09	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/25/15 01:09	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/25/15 01:09	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/25/15 01:09	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/25/15 01:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/15 01:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/15 01:09	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/25/15 01:09	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/25/15 01:09	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/25/15 01:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/15 01:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/15 01:09	1
1,4-Dioxane	ND		40	9.3	ug/L			10/25/15 01:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/15 01:09	1
2-Hexanone	ND		10	1.2	ug/L			10/25/15 01:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/25/15 01:09	1
Acetone	ND		10	3.0	ug/L			10/25/15 01:09	1
Acetonitrile	ND		170	4.9	ug/L			10/25/15 01:09	1
Acrolein	ND		20	0.91	ug/L			10/25/15 01:09	1
Acrylonitrile	ND		20	0.83	ug/L			10/25/15 01:09	1
Allyl chloride	ND		2.0	0.44	ug/L			10/25/15 01:09	1
Benzene	ND		2.0	0.41	ug/L			10/25/15 01:09	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/25/15 01:09	1
Bromoform	ND		2.0	0.26	ug/L			10/25/15 01:09	1
Bromomethane	ND		2.0	0.69	ug/L			10/25/15 01:09	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/25/15 01:09	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/25/15 01:09	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/25/15 01:09	1
Chloroethane	ND		2.0	0.32	ug/L			10/25/15 01:09	1
Chloroform	ND		2.0	0.34	ug/L			10/25/15 01:09	1
Chloromethane	ND		2.0	0.35	ug/L			10/25/15 01:09	1
Chloroprene	ND		2.0	0.49	ug/L			10/25/15 01:09	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/25/15 01:09	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/25/15 01:09	1
Dibromomethane	ND		2.0	0.41	ug/L			10/25/15 01:09	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/25/15 01:09	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/25/15 01:09	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/25/15 01:09	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/25/15 01:09	1
Iodomethane	ND		2.0	0.30	ug/L			10/25/15 01:09	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/25/15 01:09	1
Methacrylonitrile	ND		10	0.69	ug/L			10/25/15 01:09	1
Methyl methacrylate	ND		10	0.61	ug/L			10/25/15 01:09	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/25/15 01:09	1
Naphthalene	ND		1.0	0.43	ug/L			10/25/15 01:09	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/25/15 01:09	1
Propionitrile	ND		50	5.8	ug/L			10/25/15 01:09	1

Client Sample ID: MP-281

Date Collected: 10/14/15 09:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-19

Matrix: Water

Method: 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			10/25/15 01:09	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/25/15 01:09	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/25/15 01:09	1
Toluene	ND		2.0	0.51	ug/L			10/25/15 01:09	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/25/15 01:09	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/25/15 01:09	1
Trichloroethene	ND		2.0	0.46	ug/L			10/25/15 01:09	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/25/15 01:09	1
Vinyl acetate	ND		10	0.85	ug/L			10/25/15 01:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/15 01:09	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/25/15 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*86 - 118*		*10/25/15 01:09*	*1*
4-Bromofluorobenzene (Surr)	*108*		*86 - 115*		*10/25/15 01:09*	*1*
Toluene-d8 (Surr)	*109*		*88 - 110*		*10/25/15 01:09*	*1*

Method: 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		10/22/15 12:16	10/23/15 00:39	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/22/15 12:16	10/23/15 00:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/23/15 08:29	10/23/15 18:02	1
PCB-1221	ND		0.48	0.17	ug/L		10/23/15 08:29	10/23/15 18:02	1
PCB-1232	ND		0.48	0.17	ug/L		10/23/15 08:29	10/23/15 18:02	1
PCB-1242	ND		0.48	0.17	ug/L		10/23/15 08:29	10/23/15 18:02	1
PCB-1248	ND		0.48	0.17	ug/L		10/23/15 08:29	10/23/15 18:02	1
PCB-1254	ND		0.48	0.24	ug/L		10/23/15 08:29	10/23/15 18:02	1
PCB-1260	ND		0.48	0.24	ug/L		10/23/15 08:29	10/23/15 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:02*	*1*
DCB Decachlorobiphenyl	*84*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:02*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.28**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 14:35	1
Calcium, Dissolved	**69.9**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 14:35	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 14:35	1
Magnesium, Dissolved	**41.4**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 14:35	1
Potassium, Dissolved	**6.2**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 14:35	1
Sodium, Dissolved	**156**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0018**		0.0010	0.00027	mg/L		10/19/15 13:05	10/21/15 10:11	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 13:05	10/21/15 10:11	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 13:05	10/21/15 10:11	1
Silver, Dissolved	**0.00014**	**J**	0.0030	0.000036	mg/L		10/19/15 13:05	10/21/15 20:41	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-281

Date Collected: 10/14/15 09:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 13:05	10/21/15 10:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**266**		2.5	1.4	mg/L			10/20/15 00:33	5
Sulfate	ND		10.0	1.7	mg/L			10/20/15 00:33	5
Total Organic Carbon	**2.6**	**B**	1.0	0.43	mg/L			10/26/15 05:23	1
Alkalinity, Total	**328**		5.0	0.79	mg/L			10/20/15 06:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.19**				SU			10/14/15 09:00	1
Field Conductivity	**1457**				umhos/cm			10/14/15 09:00	1
Field Temperature	**14.0**				Degrees C			10/14/15 09:00	1
Field Turbidity	**7.10**				NTU			10/14/15 09:00	1
Oxidation Reduction Potential	**-48.2**				millivolts			10/14/15 09:00	1
Oxygen, Dissolved	**0.06**				mg/L			10/14/15 09:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-281C

Date Collected: 10/14/15 08:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-20

Matrix: Water

Method: 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			10/25/15 01:32	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/25/15 01:32	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/25/15 01:32	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/25/15 01:32	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/25/15 01:32	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/25/15 01:32	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/25/15 01:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/15 01:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/15 01:32	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/25/15 01:32	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/25/15 01:32	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/25/15 01:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/15 01:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/15 01:32	1
1,4-Dioxane	ND		40	9.3	ug/L			10/25/15 01:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/15 01:32	1
2-Hexanone	ND		10	1.2	ug/L			10/25/15 01:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/25/15 01:32	1
Acetone	ND		10	3.0	ug/L			10/25/15 01:32	1
Acetonitrile	ND		170	4.9	ug/L			10/25/15 01:32	1
Acrolein	ND		20	0.91	ug/L			10/25/15 01:32	1
Acrylonitrile	ND		20	0.83	ug/L			10/25/15 01:32	1
Allyl chloride	ND		2.0	0.44	ug/L			10/25/15 01:32	1
Benzene	ND		2.0	0.41	ug/L			10/25/15 01:32	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/25/15 01:32	1
Bromoform	ND		2.0	0.26	ug/L			10/25/15 01:32	1
Bromomethane	ND		2.0	0.69	ug/L			10/25/15 01:32	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/25/15 01:32	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/25/15 01:32	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/25/15 01:32	1
Chloroethane	ND		2.0	0.32	ug/L			10/25/15 01:32	1
Chloroform	ND		2.0	0.34	ug/L			10/25/15 01:32	1
Chloromethane	ND		2.0	0.35	ug/L			10/25/15 01:32	1
Chloroprene	ND		2.0	0.49	ug/L			10/25/15 01:32	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/25/15 01:32	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/25/15 01:32	1
Dibromomethane	ND		2.0	0.41	ug/L			10/25/15 01:32	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/25/15 01:32	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/25/15 01:32	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/25/15 01:32	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/25/15 01:32	1
Iodomethane	ND		2.0	0.30	ug/L			10/25/15 01:32	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/25/15 01:32	1
Methacrylonitrile	ND		10	0.69	ug/L			10/25/15 01:32	1
Methyl methacrylate	ND		10	0.61	ug/L			10/25/15 01:32	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/25/15 01:32	1
Naphthalene	ND		1.0	0.43	ug/L			10/25/15 01:32	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/25/15 01:32	1
Propionitrile	ND		50	5.8	ug/L			10/25/15 01:32	1

Client Sample ID: MP-281C

Lab Sample ID: 480-89266-20

Date Collected: 10/14/15 08:20

Matrix: Water

Date Received: 10/16/15 09:00

Method: 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			10/25/15 01:32	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/25/15 01:32	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/25/15 01:32	1
Toluene	ND		2.0	0.51	ug/L			10/25/15 01:32	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/25/15 01:32	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/25/15 01:32	1
Trichloroethene	ND		2.0	0.46	ug/L			10/25/15 01:32	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/25/15 01:32	1
Vinyl acetate	ND		10	0.85	ug/L			10/25/15 01:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/15 01:32	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/25/15 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*86 - 118*		*10/25/15 01:32*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/25/15 01:32*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/25/15 01:32*	*1*

Method: 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		10/22/15 12:16	10/23/15 01:33	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		10/22/15 12:16	10/23/15 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:18	1
PCB-1221	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:18	1
PCB-1232	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:18	1
PCB-1242	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:18	1
PCB-1248	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:18	1
PCB-1254	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 18:18	1
PCB-1260	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:18*	*1*
DCB Decachlorobiphenyl	*91*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:18*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.053**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 14:38	1
Calcium, Dissolved	**116**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 14:38	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 14:38	1
Magnesium, Dissolved	**41.3**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 14:38	1
Potassium, Dissolved	**2.9**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 14:38	1
Sodium, Dissolved	**73.0**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 14:38	1

Method: 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		10/19/15 13:05	10/21/15 10:56	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 13:05	10/21/15 10:56	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 13:05	10/21/15 10:56	1
Silver, Dissolved	**0.00022**	**J**	0.0030	0.000036	mg/L		10/19/15 13:05	10/21/15 21:14	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-281C

Date Collected: 10/14/15 08:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 13:05	10/21/15 10:56	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.9**		5.0	2.8	mg/L			10/20/15 00:41	10
Sulfate	**173**		20.0	3.5	mg/L			10/20/15 00:41	10
Total Organic Carbon	ND		1.0	0.43	mg/L			10/26/15 05:50	1
Alkalinity, Total	**397**		5.0	0.79	mg/L			10/20/15 06:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.00**				SU			10/14/15 08:20	1
Field Conductivity	**1136**				umhos/cm			10/14/15 08:20	1
Field Temperature	**13.4**				Degrees C			10/14/15 08:20	1
Field Turbidity	**0.78**				NTU			10/14/15 08:20	1
Oxidation Reduction Potential	**-22.8**				millivolts			10/14/15 08:20	1
Oxygen, Dissolved	**0.22**				mg/L			10/14/15 08:20	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-251A

Date Collected: 10/14/15 12:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-21

Matrix: Water

Method: 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			10/25/15 01:54	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/25/15 01:54	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/25/15 01:54	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/25/15 01:54	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/25/15 01:54	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/25/15 01:54	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/25/15 01:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/15 01:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/15 01:54	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/25/15 01:54	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/25/15 01:54	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/25/15 01:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/15 01:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/15 01:54	1
1,4-Dioxane	ND		40	9.3	ug/L			10/25/15 01:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/15 01:54	1
2-Hexanone	ND		10	1.2	ug/L			10/25/15 01:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/25/15 01:54	1
Acetone	ND		10	3.0	ug/L			10/25/15 01:54	1
Acetonitrile	ND		170	4.9	ug/L			10/25/15 01:54	1
Acrolein	ND		20	0.91	ug/L			10/25/15 01:54	1
Acrylonitrile	ND		20	0.83	ug/L			10/25/15 01:54	1
Allyl chloride	ND		2.0	0.44	ug/L			10/25/15 01:54	1
Benzene	ND		2.0	0.41	ug/L			10/25/15 01:54	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/25/15 01:54	1
Bromoform	ND		2.0	0.26	ug/L			10/25/15 01:54	1
Bromomethane	ND		2.0	0.69	ug/L			10/25/15 01:54	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/25/15 01:54	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/25/15 01:54	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/25/15 01:54	1
Chloroethane	ND		2.0	0.32	ug/L			10/25/15 01:54	1
Chloroform	ND		2.0	0.34	ug/L			10/25/15 01:54	1
Chloromethane	ND		2.0	0.35	ug/L			10/25/15 01:54	1
Chloroprene	ND		2.0	0.49	ug/L			10/25/15 01:54	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/25/15 01:54	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/25/15 01:54	1
Dibromomethane	ND		2.0	0.41	ug/L			10/25/15 01:54	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/25/15 01:54	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/25/15 01:54	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/25/15 01:54	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/25/15 01:54	1
Iodomethane	ND		2.0	0.30	ug/L			10/25/15 01:54	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/25/15 01:54	1
Methacrylonitrile	ND		10	0.69	ug/L			10/25/15 01:54	1
Methyl methacrylate	ND		10	0.61	ug/L			10/25/15 01:54	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/25/15 01:54	1
Naphthalene	ND		1.0	0.43	ug/L			10/25/15 01:54	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/25/15 01:54	1
Propionitrile	ND		50	5.8	ug/L			10/25/15 01:54	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-251A

Date Collected: 10/14/15 12:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-21

Matrix: Water

Method: 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			10/25/15 01:54	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/25/15 01:54	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/25/15 01:54	1
Toluene	ND		2.0	0.51	ug/L			10/25/15 01:54	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/25/15 01:54	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/25/15 01:54	1
Trichloroethene	ND		2.0	0.46	ug/L			10/25/15 01:54	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/25/15 01:54	1
Vinyl acetate	ND		10	0.85	ug/L			10/25/15 01:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/15 01:54	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/25/15 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*86 - 118*		*10/25/15 01:54*	*1*
4-Bromofluorobenzene (Surr)	*102*		*86 - 115*		*10/25/15 01:54*	*1*
Toluene-d8 (Surr)	*102*		*88 - 110*		*10/25/15 01:54*	*1*

Method: 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		10/22/15 12:16	10/23/15 02:00	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		10/22/15 12:16	10/23/15 02:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:34	1
PCB-1221	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:34	1
PCB-1232	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:34	1
PCB-1242	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:34	1
PCB-1248	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:34	1
PCB-1254	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 18:34	1
PCB-1260	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:34*	*1*
DCB Decachlorobiphenyl	*75*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:34*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.11**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 14:41	1
Calcium, Dissolved	**70.7**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 14:41	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 14:41	1
Magnesium, Dissolved	**33.3**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 14:41	1
Potassium, Dissolved	**4.0**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 14:41	1
Sodium, Dissolved	**53.6**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0026**		0.0010	0.00027	mg/L		10/19/15 13:05	10/21/15 11:02	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 13:05	10/21/15 11:02	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 13:05	10/21/15 11:02	1
Silver, Dissolved	**0.00021**	**J**	0.0030	0.000036	mg/L		10/19/15 13:05	10/21/15 21:21	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-251A

Date Collected: 10/14/15 12:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 13:05	10/21/15 11:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.5**		5.0	2.8	mg/L			10/20/15 00:49	10
Sulfate	**47.3**		20.0	3.5	mg/L			10/20/15 00:49	10
Total Organic Carbon	**0.88**	**J B**	1.0	0.43	mg/L			10/26/15 08:09	1
Alkalinity, Total	**373**		5.0	0.79	mg/L			10/20/15 06:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.87**				SU			10/14/15 12:00	1
Field Conductivity	**869**				umhos/cm			10/14/15 12:00	1
Field Temperature	**15.2**				Degrees C			10/14/15 12:00	1
Field Turbidity	**2.11**				NTU			10/14/15 12:00	1
Oxidation Reduction Potential	**-122.0**				millivolts			10/14/15 12:00	1
Oxygen, Dissolved	**0.05**				mg/L			10/14/15 12:00	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-279

Date Collected: 10/14/15 11:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-22

Matrix: Water

Method: 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			10/25/15 02:17	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/25/15 02:17	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/25/15 02:17	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/25/15 02:17	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/25/15 02:17	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/25/15 02:17	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/25/15 02:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/15 02:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/15 02:17	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/25/15 02:17	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/25/15 02:17	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/25/15 02:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/15 02:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/15 02:17	1
1,4-Dioxane	ND		40	9.3	ug/L			10/25/15 02:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/15 02:17	1
2-Hexanone	ND		10	1.2	ug/L			10/25/15 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/25/15 02:17	1
Acetone	ND		10	3.0	ug/L			10/25/15 02:17	1
Acetonitrile	ND		170	4.9	ug/L			10/25/15 02:17	1
Acrolein	ND		20	0.91	ug/L			10/25/15 02:17	1
Acrylonitrile	ND		20	0.83	ug/L			10/25/15 02:17	1
Allyl chloride	ND		2.0	0.44	ug/L			10/25/15 02:17	1
Benzene	ND		2.0	0.41	ug/L			10/25/15 02:17	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/25/15 02:17	1
Bromoform	ND		2.0	0.26	ug/L			10/25/15 02:17	1
Bromomethane	ND		2.0	0.69	ug/L			10/25/15 02:17	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/25/15 02:17	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/25/15 02:17	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/25/15 02:17	1
Chloroethane	ND		2.0	0.32	ug/L			10/25/15 02:17	1
Chloroform	ND		2.0	0.34	ug/L			10/25/15 02:17	1
Chloromethane	ND		2.0	0.35	ug/L			10/25/15 02:17	1
Chloroprene	ND		2.0	0.49	ug/L			10/25/15 02:17	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/25/15 02:17	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/25/15 02:17	1
Dibromomethane	ND		2.0	0.41	ug/L			10/25/15 02:17	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/25/15 02:17	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/25/15 02:17	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/25/15 02:17	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/25/15 02:17	1
Iodomethane	ND		2.0	0.30	ug/L			10/25/15 02:17	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/25/15 02:17	1
Methacrylonitrile	ND		10	0.69	ug/L			10/25/15 02:17	1
Methyl methacrylate	ND		10	0.61	ug/L			10/25/15 02:17	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/25/15 02:17	1
Naphthalene	ND		1.0	0.43	ug/L			10/25/15 02:17	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/25/15 02:17	1
Propionitrile	ND		50	5.8	ug/L			10/25/15 02:17	1

Client Sample ID: MP-279

Lab Sample ID: 480-89266-22

Date Collected: 10/14/15 11:20
Matrix: Water
Date Received: 10/16/15 09:00

Method: 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			10/25/15 02:17	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/25/15 02:17	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/25/15 02:17	1
Toluene	ND		2.0	0.51	ug/L			10/25/15 02:17	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/25/15 02:17	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/25/15 02:17	1
Trichloroethene	ND		2.0	0.46	ug/L			10/25/15 02:17	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/25/15 02:17	1
Vinyl acetate	ND		10	0.85	ug/L			10/25/15 02:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/15 02:17	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/25/15 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*		*10/25/15 02:17*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/25/15 02:17*	*1*
Toluene-d8 (Surr)	*107*		*88 - 110*		*10/25/15 02:17*	*1*

Method: 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		10/22/15 12:16	10/23/15 02:27	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/22/15 12:16	10/23/15 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:50	1
PCB-1221	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:50	1
PCB-1232	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:50	1
PCB-1242	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:50	1
PCB-1248	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 18:50	1
PCB-1254	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 18:50	1
PCB-1260	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:50*	*1*
DCB Decachlorobiphenyl	*69*		*24 - 150*	*10/23/15 08:29*	*10/23/15 18:50*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.89**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 14:45	1
Calcium, Dissolved	**266**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 14:45	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 14:45	1
Magnesium, Dissolved	**164**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 14:45	1
Potassium, Dissolved	**14.9**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 14:45	1
Sodium, Dissolved	**830**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.015**		0.0010	0.00027	mg/L		10/19/15 13:05	10/21/15 11:07	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 13:05	10/21/15 11:07	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 13:05	10/21/15 11:07	1
Silver, Dissolved	**0.00032**	**J**	0.0030	0.000036	mg/L		10/19/15 13:05	10/21/15 21:28	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-279

Date Collected: 10/14/15 11:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 13:05	10/21/15 11:07	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2150**		25.0	14.1	mg/L			10/21/15 18:12	50
Sulfate	ND		20.0	3.5	mg/L			10/20/15 00:57	10
Total Organic Carbon	**2.3**	**B**	1.0	0.43	mg/L			10/26/15 09:06	1
Alkalinity, Total	**238**	**B**	5.0	0.79	mg/L			10/21/15 19:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.13**				SU			10/14/15 11:20	1
Field Conductivity	**6974**				umhos/cm			10/14/15 11:20	1
Field Temperature	**15.0**				Degrees C			10/14/15 11:20	1
Field Turbidity	**3.40**				NTU			10/14/15 11:20	1
Oxidation Reduction Potential	**-52.6**				millivolts			10/14/15 11:20	1
Oxygen, Dissolved	**0.05**				mg/L			10/14/15 11:20	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-274

Date Collected: 10/14/15 10:37
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-23

Matrix: Water

Method: 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			10/25/15 02:40	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/25/15 02:40	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/25/15 02:40	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/25/15 02:40	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/25/15 02:40	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/25/15 02:40	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/25/15 02:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/15 02:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/15 02:40	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/25/15 02:40	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/25/15 02:40	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/25/15 02:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/15 02:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/15 02:40	1
1,4-Dioxane	ND		40	9.3	ug/L			10/25/15 02:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/15 02:40	1
2-Hexanone	ND		10	1.2	ug/L			10/25/15 02:40	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/25/15 02:40	1
Acetone	ND		10	3.0	ug/L			10/25/15 02:40	1
Acetonitrile	ND		170	4.9	ug/L			10/25/15 02:40	1
Acrolein	ND		20	0.91	ug/L			10/25/15 02:40	1
Acrylonitrile	ND		20	0.83	ug/L			10/25/15 02:40	1
Allyl chloride	ND		2.0	0.44	ug/L			10/25/15 02:40	1
Benzene	ND		2.0	0.41	ug/L			10/25/15 02:40	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/25/15 02:40	1
Bromoform	ND		2.0	0.26	ug/L			10/25/15 02:40	1
Bromomethane	ND		2.0	0.69	ug/L			10/25/15 02:40	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/25/15 02:40	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/25/15 02:40	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/25/15 02:40	1
Chloroethane	ND		2.0	0.32	ug/L			10/25/15 02:40	1
Chloroform	ND		2.0	0.34	ug/L			10/25/15 02:40	1
Chloromethane	ND		2.0	0.35	ug/L			10/25/15 02:40	1
Chloroprene	ND		2.0	0.49	ug/L			10/25/15 02:40	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/25/15 02:40	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/25/15 02:40	1
Dibromomethane	ND		2.0	0.41	ug/L			10/25/15 02:40	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/25/15 02:40	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/25/15 02:40	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/25/15 02:40	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/25/15 02:40	1
Iodomethane	ND		2.0	0.30	ug/L			10/25/15 02:40	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/25/15 02:40	1
Methacrylonitrile	ND		10	0.69	ug/L			10/25/15 02:40	1
Methyl methacrylate	ND		10	0.61	ug/L			10/25/15 02:40	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/25/15 02:40	1
Naphthalene	ND		1.0	0.43	ug/L			10/25/15 02:40	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/25/15 02:40	1
Propionitrile	ND		50	5.8	ug/L			10/25/15 02:40	1

Client Sample ID: MP-274

Date Collected: 10/14/15 10:37
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-23

Matrix: Water

Method: 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			10/25/15 02:40	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/25/15 02:40	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/25/15 02:40	1
Toluene	ND		2.0	0.51	ug/L			10/25/15 02:40	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/25/15 02:40	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/25/15 02:40	1
Trichloroethene	ND		2.0	0.46	ug/L			10/25/15 02:40	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/25/15 02:40	1
Vinyl acetate	ND		10	0.85	ug/L			10/25/15 02:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/15 02:40	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/25/15 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*86 - 118*		*10/25/15 02:40*	*1*
4-Bromofluorobenzene (Surr)	*105*		*86 - 115*		*10/25/15 02:40*	*1*
Toluene-d8 (Surr)	*104*		*88 - 110*		*10/25/15 02:40*	*1*

Method: 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		10/22/15 12:16	10/23/15 02:54	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/22/15 12:16	10/23/15 02:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 19:37	1
PCB-1221	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 19:37	1
PCB-1232	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 19:37	1
PCB-1242	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 19:37	1
PCB-1248	ND		0.46	0.16	ug/L		10/23/15 08:29	10/23/15 19:37	1
PCB-1254	ND		0.46	0.23	ug/L		10/23/15 08:29	10/23/15 19:37	1
PCB-1260	ND		0.46	0.23	ug/L		10/23/15 08:29	10/23/15 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*24 - 150*	*10/23/15 08:29*	*10/23/15 19:37*	*1*
DCB Decachlorobiphenyl	*67*		*24 - 150*	*10/23/15 08:29*	*10/23/15 19:37*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.40**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 14:48	1
Calcium, Dissolved	**54.5**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 14:48	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 14:48	1
Magnesium, Dissolved	**29.5**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 14:48	1
Potassium, Dissolved	**2.9**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 14:48	1
Sodium, Dissolved	**117**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 14:48	1

Method: 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		10/19/15 13:05	10/21/15 11:42	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 13:05	10/21/15 11:42	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 13:05	10/21/15 11:42	1
Silver, Dissolved	**0.00012**	**J**	0.0030	0.000036	mg/L		10/19/15 13:05	10/21/15 21:35	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-274

Date Collected: 10/14/15 10:37
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 13:05	10/21/15 11:42	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**205**		5.0	2.8	mg/L			10/20/15 01:05	10
Sulfate	ND		20.0	3.5	mg/L			10/20/15 01:05	10
Total Organic Carbon	**2.1**	**B**	1.0	0.43	mg/L			10/26/15 10:03	1
Alkalinity, Total	**269**	**B**	5.0	0.79	mg/L			10/21/15 19:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.49**				SU			10/14/15 10:37	1
Field Conductivity	**1143**				umhos/cm			10/14/15 10:37	1
Field Temperature	**14.4**				Degrees C			10/14/15 10:37	1
Field Turbidity	**1.41**				NTU			10/14/15 10:37	1
Oxidation Reduction Potential	**-76.6**				millivolts			10/14/15 10:37	1
Oxygen, Dissolved	**0.09**				mg/L			10/14/15 10:37	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-274A

Date Collected: 10/14/15 10:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-24

Matrix: Water

Method: 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			10/25/15 03:02	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/25/15 03:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/25/15 03:02	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/25/15 03:02	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/25/15 03:02	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/25/15 03:02	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/25/15 03:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/15 03:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/15 03:02	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/25/15 03:02	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/25/15 03:02	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/25/15 03:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/15 03:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/15 03:02	1
1,4-Dioxane	ND		40	9.3	ug/L			10/25/15 03:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/15 03:02	1
2-Hexanone	ND		10	1.2	ug/L			10/25/15 03:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/25/15 03:02	1
Acetone	ND		10	3.0	ug/L			10/25/15 03:02	1
Acetonitrile	ND		170	4.9	ug/L			10/25/15 03:02	1
Acrolein	ND		20	0.91	ug/L			10/25/15 03:02	1
Acrylonitrile	ND		20	0.83	ug/L			10/25/15 03:02	1
Allyl chloride	ND		2.0	0.44	ug/L			10/25/15 03:02	1
Benzene	ND		2.0	0.41	ug/L			10/25/15 03:02	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/25/15 03:02	1
Bromoform	ND		2.0	0.26	ug/L			10/25/15 03:02	1
Bromomethane	ND		2.0	0.69	ug/L			10/25/15 03:02	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/25/15 03:02	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/25/15 03:02	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/25/15 03:02	1
Chloroethane	ND		2.0	0.32	ug/L			10/25/15 03:02	1
Chloroform	ND		2.0	0.34	ug/L			10/25/15 03:02	1
Chloromethane	ND		2.0	0.35	ug/L			10/25/15 03:02	1
Chloroprene	ND		2.0	0.49	ug/L			10/25/15 03:02	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/25/15 03:02	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/25/15 03:02	1
Dibromomethane	ND		2.0	0.41	ug/L			10/25/15 03:02	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/25/15 03:02	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/25/15 03:02	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/25/15 03:02	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/25/15 03:02	1
Iodomethane	ND		2.0	0.30	ug/L			10/25/15 03:02	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/25/15 03:02	1
Methacrylonitrile	ND		10	0.69	ug/L			10/25/15 03:02	1
Methyl methacrylate	ND		10	0.61	ug/L			10/25/15 03:02	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/25/15 03:02	1
Naphthalene	ND		1.0	0.43	ug/L			10/25/15 03:02	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/25/15 03:02	1
Propionitrile	ND		50	5.8	ug/L			10/25/15 03:02	1

Client Sample ID: MP-274A

Lab Sample ID: 480-89266-24

Date Collected: 10/14/15 10:00
Date Received: 10/16/15 09:00

Matrix: Water

Method: 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			10/25/15 03:02	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/25/15 03:02	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/25/15 03:02	1
Toluene	ND		2.0	0.51	ug/L			10/25/15 03:02	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/25/15 03:02	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/25/15 03:02	1
Trichloroethene	ND		2.0	0.46	ug/L			10/25/15 03:02	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/25/15 03:02	1
Vinyl acetate	ND		10	0.85	ug/L			10/25/15 03:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/15 03:02	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/25/15 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*10/25/15 03:02*	*1*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*		*10/25/15 03:02*	*1*
Toluene-d8 (Surr)	*105*		*88 - 110*		*10/25/15 03:02*	*1*

Method: 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		10/22/15 12:16	10/23/15 03:22	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/22/15 12:16	10/23/15 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 19:53	1
PCB-1221	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 19:53	1
PCB-1232	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 19:53	1
PCB-1242	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 19:53	1
PCB-1248	ND		0.47	0.16	ug/L		10/23/15 08:29	10/23/15 19:53	1
PCB-1254	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 19:53	1
PCB-1260	ND		0.47	0.23	ug/L		10/23/15 08:29	10/23/15 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*24 - 150*	*10/23/15 08:29*	*10/23/15 19:53*	*1*
DCB Decachlorobiphenyl	*69*		*24 - 150*	*10/23/15 08:29*	*10/23/15 19:53*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.026**		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 14:52	1
Calcium, Dissolved	**154**		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 14:52	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 14:52	1
Magnesium, Dissolved	**59.8**		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 14:52	1
Potassium, Dissolved	**2.7**		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 14:52	1
Sodium, Dissolved	**77.4**		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 14:52	1

Method: 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		10/19/15 13:05	10/21/15 11:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 13:05	10/21/15 11:48	1
Lead, Dissolved	**0.000079**	**J**	0.0050	0.000069	mg/L		10/19/15 13:05	10/21/15 11:48	1
Silver, Dissolved	**0.00013**	**J**	0.0030	0.000036	mg/L		10/19/15 13:05	10/21/15 21:42	1

Client Sample Results

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-274A

Date Collected: 10/14/15 10:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 13:05	10/21/15 11:48	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.3**		5.0	2.8	mg/L			10/20/15 01:13	10
Sulfate	**359**		20.0	3.5	mg/L			10/20/15 01:13	10
Total Organic Carbon	**0.54**	**J B**	1.0	0.43	mg/L			10/26/15 10:30	1
Alkalinity, Total	**404**	**B**	5.0	0.79	mg/L			10/21/15 19:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.86**				SU			10/14/15 10:00	1
Field Conductivity	**1431**				umhos/cm			10/14/15 10:00	1
Field Temperature	**14.0**				Degrees C			10/14/15 10:00	1
Field Turbidity	**23.8**				NTU			10/14/15 10:00	1
Oxidation Reduction Potential	**-15.7**				millivolts			10/14/15 10:00	1
Oxygen, Dissolved	**0.01**				mg/L			10/14/15 10:00	1

Surrogate Summary

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

TestAmerica Job ID: 480-89213-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	12DCE (86-118)	BFB (86-115)	TOL (88-110)					
480-89213-1	MP-409	103	101	105					
480-89213-2	MP-211BR	102	104	106					
480-89213-3	MP-405A	105	104	105					
480-89213-4	MP-404A	105	104	104					
480-89213-5	MP-404	101	103	104					
480-89213-6	MP-210AR	109	105	106					
480-89213-7	FIELD BLANK DMP	103	104	104					
480-89213-8	MP-206AR	103	101	101					
480-89213-9	MP-277A	105	101	102					
480-89213-10	MP-235R	111	104	104					
480-89213-11	MP-235BR	103	103	109					
480-89213-12	MP-235CR	107	104	107					
480-89213-13	DUPLICATE DMP #1	106	103	107					
480-89213-14	MP-213A	103	103	104					
480-89213-15	MP-408	110	105	103					
480-89213-16	TRIP BLANKS	106	107	105					
480-89213-17	MP-406C	109	107	107					
480-89213-17MS	MP-406C	111	112	104					
480-89213-17MSD	MP-406C	105	108	106					
480-89213-18	MP-280	110	106	106					
480-89213-19	MP-231AR	108	103	105					
480-89213-20	MP-280A	105	102	100					
480-89213-21	MP-227R	113	108	105					
480-89213-22	MP-286C	113	109	106					
480-89213-23	DUPLICATE DMP #2	113	107	104					
480-89213-24	MP-234AR	117	107	106					
480-89213-25	MP-234R	114	108	104					
480-89213-26	MP-402A	115	105	105					
480-89266-1	MP-214BR	102	101	104					
480-89266-2	MP-403A	109	100	104					
480-89266-3	MP-233R	107	101	103					
480-89266-4	MP-250	109	105	106					
480-89266-5	MP-250A	106	99	105					
480-89266-6	MP-233AR	109	102	106					
480-89266-7	MP-244ARR	106	106	109					
480-89266-8	MP-244R	104	107	109					
480-89266-9	MP-407	105	102	105					
480-89266-10	MP-401A	105	106	108					
480-89266-11	MP-401B	106	105	107					
480-89266-12	DUPICATE DMP #3	107	101	104					
480-89266-13	MP-238R	110	106	108					
480-89266-14	MP-237	112	106	110					
480-89266-15	MP-241R	106	104	106					
480-89266-16	MP-228AR	108	103	104					
480-89266-17	MP-230A	107	103	104					
480-89266-18	MP-232A	105	106	106					
480-89266-19	MP-281	110	108	109					
480-89266-20	MP-281C	104	103	105					
480-89266-21	MP-251A	102	102	102					

Surrogate Summary

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

TestAmerica Job ID: 480-89213-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(86-118)	(86-115)	(88-110)
480-89266-22	MP-279	105	103	107
480-89266-23	MP-274	104	105	104
480-89266-24	MP-274A	106	104	105
LCS 480-269104/8	Lab Control Sample	97	100	103
LCS 480-269184/4	Lab Control Sample	101	102	104
LCS 480-270863/5	Lab Control Sample	105	104	104
LCS 480-270943/4	Lab Control Sample	107	104	104
MB 480-269104/10	Method Blank	97	102	106
MB 480-269184/6	Method Blank	98	100	108
MB 480-270863/7	Method Blank	104	103	107
MB 480-270943/6	Method Blank	103	103	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID			
LCSD 480-269184/7	Lab Control Sample Dup			

Surrogate Legend

12DCE = 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)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(24-150)	(24-150)
480-89213-1	MP-409	80	87
480-89213-2	MP-211BR	72	84
480-89213-3	MP-405A	77	78
480-89213-4	MP-404A	78	80
480-89213-5	MP-404	74	85
480-89213-6	MP-210AR	67	74
480-89213-7	FIELD BLANK DMP	74	58
480-89213-8	MP-206AR	72	74
480-89213-9	MP-277A	67	82
480-89213-10	MP-235R	70	84
480-89213-11	MP-235BR	80	88
480-89213-12	MP-235CR	74	82
480-89213-13	DUPLICATE DMP #1	74	72
480-89213-14	MP-213A	69	68

Surrogate Summary

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

TestAmerica Job ID: 480-89213-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (24-150)	DCB1 (24-150)
480-89213-15	MP-408	77	77
480-89213-17	MP-406C	77	75
480-89213-17MS	MP-406C	84	78
480-89213-17MSD	MP-406C	77	80
480-89213-18	MP-280	78	71
480-89213-19	MP-231AR	84	85
480-89213-20	MP-280A	74	64
480-89213-21	MP-227R	81	61
480-89213-22	MP-286C	79	76
480-89213-23	DUPLICATE DMP #2	75	74
480-89213-24	MP-234AR	79	75
480-89213-25	MP-234R	85	87
480-89213-26	MP-402A	82	80
480-89266-1	MP-214BR	99	76
480-89266-2	MP-403A	97	79
480-89266-3	MP-233R	98	81
480-89266-4	MP-250	101	85
480-89266-5	MP-250A	96	94
480-89266-6	MP-233AR	95	86
480-89266-7	MP-244ARR	104	92
480-89266-8	MP-244R	96	96
480-89266-9	MP-407	94	84
480-89266-10	MP-401A	100	96
480-89266-11	MP-401B	98	87
480-89266-12	DUPICATE DMP #3	96	86
480-89266-13	MP-238R	96	83
480-89266-14	MP-237	77	76
480-89266-15	MP-241R	101	89
480-89266-16	MP-228AR	101	78
480-89266-17	MP-230A	94	83
480-89266-18	MP-232A	88	73
480-89266-19	MP-281	102	84
480-89266-20	MP-281C	107	91
480-89266-21	MP-251A	101	75
480-89266-22	MP-279	100	69
480-89266-23	MP-274	101	67
480-89266-24	MP-274A	99	69
LCS 480-269387/2-A	Lab Control Sample	84	90
LCS 480-269397/2-A	Lab Control Sample	78	47
LCS 480-270470/2-A	Lab Control Sample	100	72
LCS 480-270626/2-A	Lab Control Sample	101	59
LCSD 480-269397/3-A	Lab Control Sample Dup	85	49
LCSD 480-270626/3-A	Lab Control Sample Dup	96	55
MB 480-269387/1-A	Method Blank	77	88
MB 480-269397/1-A	Method Blank	76	44
MB 480-270470/1-A	Method Blank	94	97
MB 480-270626/1-A	Method Blank	100	76

Surrogate Legend

Surrogate Summary

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

TestAmerica Job ID: 480-89213-1

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 480-269104/10
Matrix: Water
Analysis Batch: 269104

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			10/16/15 03:01	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 03:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 03:01	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 03:01	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 03:01	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 03:01	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 03:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 03:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 03:01	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 03:01	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 03:01	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 03:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 03:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 03:01	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 03:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 03:01	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 03:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 03:01	1
Acetone	ND		10	3.0	ug/L			10/16/15 03:01	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 03:01	1
Acrolein	ND		20	0.91	ug/L			10/16/15 03:01	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 03:01	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 03:01	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 03:01	1
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 03:01	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 03:01	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 03:01	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 03:01	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 03:01	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 03:01	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 03:01	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 03:01	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 03:01	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 03:01	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 03:01	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 03:01	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 03:01	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 03:01	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 03:01	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 03:01	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 03:01	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 03:01	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 03:01	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 03:01	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 03:01	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 03:01	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 03:01	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 03:01	1

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

Lab Sample ID: MB 480-269104/10
Matrix: Water
Analysis Batch: 269104

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			10/16/15 03:01	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 03:01	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 03:01	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 03:01	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 03:01	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 03:01	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 03:01	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 03:01	1
Styrene	ND		2.0	0.73	ug/L			10/16/15 03:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 03:01	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 03:01	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 03:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*86 - 118*		*10/16/15 03:01*	*1*
4-Bromofluorobenzene (Surr)	*102*		*86 - 115*		*10/16/15 03:01*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/16/15 03:01*	*1*

Lab Sample ID: LCS 480-269104/8
Matrix: Water
Analysis Batch: 269104

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	26.2		ug/L		105	72 - 127
Benzene	25.0	26.3		ug/L		105	78 - 124
Chlorobenzene	25.0	25.2		ug/L		101	78 - 124
Toluene	25.0	25.9		ug/L		104	77 - 123
Trichloroethene	25.0	25.6		ug/L		103	75 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*86 - 118*
4-Bromofluorobenzene (Surr)	*100*		*86 - 115*
Toluene-d8 (Surr)	*103*		*88 - 110*

Lab Sample ID: 480-89213-17MS
Matrix: Water
Analysis Batch: 269104

Client Sample ID: MP-406C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		25.0	27.9		ug/L		112	68 - 137
Benzene	ND		25.0	27.7		ug/L		111	69 - 133
Chlorobenzene	ND		25.0	27.8		ug/L		111	65 - 136
Toluene	ND		25.0	27.1		ug/L		109	60 - 138
Trichloroethene	ND		25.0	28.1		ug/L		112	63 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*86 - 118*

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

Lab Sample ID: 480-89213-17MS
Matrix: Water
Analysis Batch: 269104

Client Sample ID: MP-406C
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*86 - 115*
Toluene-d8 (Surr)	*104*		*88 - 110*

Lab Sample ID: 480-89213-17MSD
Matrix: Water
Analysis Batch: 269104

Client Sample ID: MP-406C
Prep Type: Total/NA

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	28.4		ug/L		114	68 - 137	2	18
Benzene	ND		25.0	28.5		ug/L		114	69 - 133	3	18
Chlorobenzene	ND		25.0	28.2		ug/L		113	65 - 136	1	18
Toluene	ND		25.0	28.3		ug/L		113	60 - 138	4	19
Trichloroethene	ND		25.0	28.2		ug/L		113	63 - 136	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*
4-Bromofluorobenzene (Surr)	*108*		*86 - 115*
Toluene-d8 (Surr)	*106*		*88 - 110*

Lab Sample ID: MB 480-269184/6
Matrix: Water
Analysis Batch: 269184

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			10/16/15 13:46	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/16/15 13:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/16/15 13:46	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/16/15 13:46	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/16/15 13:46	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/16/15 13:46	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/16/15 13:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/15 13:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/15 13:46	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/16/15 13:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/16/15 13:46	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/16/15 13:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/15 13:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/15 13:46	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/15 13:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/15 13:46	1
2-Hexanone	ND		10	1.2	ug/L			10/16/15 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/16/15 13:46	1
Acetone	ND		10	3.0	ug/L			10/16/15 13:46	1
Acetonitrile	ND		170	4.9	ug/L			10/16/15 13:46	1
Acrolein	ND		20	0.91	ug/L			10/16/15 13:46	1
Acrylonitrile	ND		20	0.83	ug/L			10/16/15 13:46	1
Benzene	ND		2.0	0.41	ug/L			10/16/15 13:46	1
Bromoform	ND		2.0	0.26	ug/L			10/16/15 13:46	1

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

Lab Sample ID: MB 480-269184/6
Matrix: Water
Analysis Batch: 269184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.0	0.69	ug/L			10/16/15 13:46	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/16/15 13:46	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/16/15 13:46	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/16/15 13:46	1
Chloroethane	ND		2.0	0.32	ug/L			10/16/15 13:46	1
Chloroform	ND		2.0	0.34	ug/L			10/16/15 13:46	1
Chloromethane	ND		2.0	0.35	ug/L			10/16/15 13:46	1
Chloroprene	ND		2.0	0.49	ug/L			10/16/15 13:46	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/16/15 13:46	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/16/15 13:46	1
Dibromomethane	ND		2.0	0.41	ug/L			10/16/15 13:46	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/16/15 13:46	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/16/15 13:46	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/16/15 13:46	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/16/15 13:46	1
Iodomethane	ND		2.0	0.30	ug/L			10/16/15 13:46	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/16/15 13:46	1
Methacrylonitrile	ND		10	0.69	ug/L			10/16/15 13:46	1
Methyl methacrylate	ND		10	0.61	ug/L			10/16/15 13:46	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/16/15 13:46	1
Naphthalene	ND		1.0	0.43	ug/L			10/16/15 13:46	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/16/15 13:46	1
Propionitrile	ND		50	5.8	ug/L			10/16/15 13:46	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/16/15 13:46	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/16/15 13:46	1
Toluene	ND		2.0	0.51	ug/L			10/16/15 13:46	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/16/15 13:46	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/16/15 13:46	1
Trichloroethene	ND		2.0	0.46	ug/L			10/16/15 13:46	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/16/15 13:46	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/16/15 13:46	1
Vinyl acetate	ND		10	0.85	ug/L			10/16/15 13:46	1
Styrene	ND		2.0	0.73	ug/L			10/16/15 13:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/15 13:46	1
Allyl chloride	ND		2.0	0.44	ug/L			10/16/15 13:46	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/16/15 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*86 - 118*		*10/16/15 13:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*86 - 115*		*10/16/15 13:46*	*1*
Toluene-d8 (Surr)	*108*		*88 - 110*		*10/16/15 13:46*	*1*

Lab Sample ID: LCS 480-269184/4
Matrix: Water
Analysis Batch: 269184

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	24.9		ug/L		99	72 - 127		

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

Lab Sample ID: LCS 480-269184/4
Matrix: Water
Analysis Batch: 269184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.0		ug/L		100	78 - 124
Chlorobenzene	25.0	24.3		ug/L		97	78 - 124
Toluene	25.0	24.6		ug/L		98	77 - 123
Trichloroethene	25.0	24.7		ug/L		99	75 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*86 - 118*
4-Bromofluorobenzene (Surr)	*102*		*86 - 115*
Toluene-d8 (Surr)	*104*		*88 - 110*

Lab Sample ID: LCSD 480-269184/7
Matrix: Water
Analysis Batch: 269184

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	23.7		ug/L					
Benzene	25.0	24.5		ug/L					
Chlorobenzene	25.0	24.5		ug/L					
Toluene	25.0	25.2		ug/L					
Trichloroethene	25.0	23.5		ug/L					

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)			
4-Bromofluorobenzene (Surr)			
Toluene-d8 (Surr)			

Lab Sample ID: MB 480-270863/7
Matrix: Water
Analysis Batch: 270863

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			10/24/15 11:38	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 11:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 11:38	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 11:38	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 11:38	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 11:38	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 11:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 11:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 11:38	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 11:38	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 11:38	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 11:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 11:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 11:38	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 11:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 11:38	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 11:38	1

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

Lab Sample ID: MB 480-270863/7
Matrix: Water
Analysis Batch: 270863

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 11:38	1
Acetone	ND		10	3.0	ug/L			10/24/15 11:38	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 11:38	1
Acrolein	ND		20	0.91	ug/L			10/24/15 11:38	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 11:38	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 11:38	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 11:38	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 11:38	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 11:38	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 11:38	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 11:38	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 11:38	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 11:38	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 11:38	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 11:38	1
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 11:38	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 11:38	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 11:38	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 11:38	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 11:38	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 11:38	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 11:38	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 11:38	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 11:38	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 11:38	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 11:38	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 11:38	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 11:38	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 11:38	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 11:38	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 11:38	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 11:38	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 11:38	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 11:38	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 11:38	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 11:38	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 11:38	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 11:38	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 11:38	1
Styrene	ND		2.0	0.73	ug/L			10/24/15 11:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 11:38	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 11:38	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*86 - 118*		*10/24/15 11:38*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/24/15 11:38*	*1*
Toluene-d8 (Surr)	*107*		*88 - 110*		*10/24/15 11:38*	*1*

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

Lab Sample ID: LCS 480-270863/5
Matrix: Water
Analysis Batch: 270863

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	72 - 127
Benzene	25.0	24.9		ug/L		100	78 - 124
Chlorobenzene	25.0	25.5		ug/L		102	78 - 124
Toluene	25.0	23.8		ug/L		95	77 - 123
Trichloroethene	25.0	25.3		ug/L		101	75 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*86 - 118*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*
Toluene-d8 (Surr)	*104*		*88 - 110*

Lab Sample ID: MB 480-270943/6
Matrix: Water
Analysis Batch: 270943

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			10/24/15 21:13	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			10/24/15 21:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			10/24/15 21:13	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			10/24/15 21:13	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			10/24/15 21:13	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			10/24/15 21:13	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			10/24/15 21:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/15 21:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/15 21:13	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			10/24/15 21:13	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			10/24/15 21:13	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			10/24/15 21:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/15 21:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/15 21:13	1
1,4-Dioxane	ND		40	9.3	ug/L			10/24/15 21:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/15 21:13	1
2-Hexanone	ND		10	1.2	ug/L			10/24/15 21:13	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			10/24/15 21:13	1
Acetone	ND		10	3.0	ug/L			10/24/15 21:13	1
Acetonitrile	ND		170	4.9	ug/L			10/24/15 21:13	1
Acrolein	ND		20	0.91	ug/L			10/24/15 21:13	1
Acrylonitrile	ND		20	0.83	ug/L			10/24/15 21:13	1
Benzene	ND		2.0	0.41	ug/L			10/24/15 21:13	1
Bromoform	ND		2.0	0.26	ug/L			10/24/15 21:13	1
Bromomethane	ND		2.0	0.69	ug/L			10/24/15 21:13	1
Carbon disulfide	ND		2.0	0.19	ug/L			10/24/15 21:13	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			10/24/15 21:13	1
Chlorobenzene	ND		2.0	0.75	ug/L			10/24/15 21:13	1
Chloroethane	ND		2.0	0.32	ug/L			10/24/15 21:13	1
Chloroform	ND		2.0	0.34	ug/L			10/24/15 21:13	1
Chloromethane	ND		2.0	0.35	ug/L			10/24/15 21:13	1
Chloroprene	ND		2.0	0.49	ug/L			10/24/15 21:13	1

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

Lab Sample ID: MB 480-270943/6
Matrix: Water
Analysis Batch: 270943

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		2.0	0.39	ug/L			10/24/15 21:13	1
Dibromochloromethane	ND		2.0	0.32	ug/L			10/24/15 21:13	1
Dibromomethane	ND		2.0	0.41	ug/L			10/24/15 21:13	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			10/24/15 21:13	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			10/24/15 21:13	1
Ethylbenzene	ND		2.0	0.74	ug/L			10/24/15 21:13	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			10/24/15 21:13	1
Iodomethane	ND		2.0	0.30	ug/L			10/24/15 21:13	1
Isobutyl alcohol	ND		1000	4.8	ug/L			10/24/15 21:13	1
Methacrylonitrile	ND		10	0.69	ug/L			10/24/15 21:13	1
Methyl methacrylate	ND		10	0.61	ug/L			10/24/15 21:13	1
Methylene Chloride	ND		2.0	0.44	ug/L			10/24/15 21:13	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/15 21:13	1
Pentachloroethane	ND		1.0	0.34	ug/L			10/24/15 21:13	1
Propionitrile	ND		50	5.8	ug/L			10/24/15 21:13	1
Tetrachloroethene	ND		2.0	0.36	ug/L			10/24/15 21:13	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/24/15 21:13	1
Toluene	ND		2.0	0.51	ug/L			10/24/15 21:13	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			10/24/15 21:13	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			10/24/15 21:13	1
Trichloroethene	ND		2.0	0.46	ug/L			10/24/15 21:13	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			10/24/15 21:13	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			10/24/15 21:13	1
Vinyl acetate	ND		10	0.85	ug/L			10/24/15 21:13	1
Styrene	ND		2.0	0.73	ug/L			10/24/15 21:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/15 21:13	1
Allyl chloride	ND		2.0	0.44	ug/L			10/24/15 21:13	1
Xylenes, Total	ND		3.0	0.66	ug/L			10/24/15 21:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*86 - 118*		*10/24/15 21:13*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*10/24/15 21:13*	*1*
Toluene-d8 (Surr)	*106*		*88 - 110*		*10/24/15 21:13*	*1*

Lab Sample ID: LCS 480-270943/4
Matrix: Water
Analysis Batch: 270943

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	24.2		ug/L		97	72 - 127
Benzene	25.0	25.6		ug/L		102	78 - 124
Chlorobenzene	25.0	26.4		ug/L		106	78 - 124
Toluene	25.0	25.1		ug/L		101	77 - 123
Trichloroethene	25.0	25.6		ug/L		103	75 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*86 - 118*

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

Lab Sample ID: LCS 480-270943/4
Matrix: Water
Analysis Batch: 270943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*
Toluene-d8 (Surr)	*104*		*88 - 110*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 480-269623/1-A
Matrix: Water
Analysis Batch: 270386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		10/19/15 12:53	10/22/15 11:03	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/19/15 12:53	10/22/15 11:03	1

Lab Sample ID: LCS 480-269623/2-A
Matrix: Water
Analysis Batch: 270386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.219	0.171		ug/L		78	46 - 157
1,2-Dibromo-3-Chloropropane	0.219	0.167		ug/L		76	43 - 173

Lab Sample ID: LCSD 480-269623/3-A
Matrix: Water
Analysis Batch: 270386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 269623

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.217	0.164		ug/L		76	46 - 157	4	40
1,2-Dibromo-3-Chloropropane	0.217	0.168		ug/L		77	43 - 173	1	40

Lab Sample ID: MB 480-269832/1-A
Matrix: Water
Analysis Batch: 269948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/20/15 11:22	10/20/15 17:58	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/20/15 11:22	10/20/15 17:58	1

Lab Sample ID: LCS 480-269832/2-A
Matrix: Water
Analysis Batch: 269948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.219	0.192		ug/L		88	46 - 157
1,2-Dibromo-3-Chloropropane	0.219	0.194		ug/L		88	43 - 173

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 480-89213-17MS — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269948 — **Prep Batch: 269832**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	ND		0.216	0.201		ug/L		93	41 - 150
1,2-Dibromo-3-Chloropropane	ND		0.216	0.189		ug/L		88	42 - 152

Lab Sample ID: 480-89213-17MSD — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269948 — **Prep Batch: 269832**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		0.219	0.191		ug/L		88	41 - 150	5	40
1,2-Dibromo-3-Chloropropane	ND		0.219	0.196		ug/L		90	42 - 152	4	40

Lab Sample ID: MB 480-270111/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270156 — **Prep Batch: 270111**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		10/21/15 12:46	10/21/15 18:58	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		10/21/15 12:46	10/21/15 18:58	1

Lab Sample ID: LCS 480-270111/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270156 — **Prep Batch: 270111**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.217	0.197		ug/L		91	46 - 157
1,2-Dibromo-3-Chloropropane	0.217	0.187		ug/L		86	43 - 173

Lab Sample ID: LCSD 480-270111/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270156 — **Prep Batch: 270111**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.219	0.198		ug/L		91	46 - 157	0	40
1,2-Dibromo-3-Chloropropane	0.219	0.192		ug/L		88	43 - 173	3	40

Lab Sample ID: MB 480-270424/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270386 — **Prep Batch: 270424**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		10/22/15 12:16	10/22/15 20:36	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		10/22/15 12:16	10/22/15 20:36	1

Lab Sample ID: LCS 480-270424/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270386 — **Prep Batch: 270424**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.219	0.243		ug/L		111	46 - 157

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 480-270424/2-A
Matrix: Water
Analysis Batch: 270386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.219	0.215		ug/L		98	43 - 173

Lab Sample ID: LCSD 480-270424/3-A
Matrix: Water
Analysis Batch: 270386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270424

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.216	0.226		ug/L		104	46 - 157	7	40
1,2-Dibromo-3-Chloropropane	0.216	0.206		ug/L		95	43 - 173	4	40

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

Lab Sample ID: MB 480-269387/1-A
Matrix: Water
Analysis Batch: 269590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/17/15 08:38	10/19/15 10:53	1
PCB-1221	ND		0.50	0.18	ug/L		10/17/15 08:38	10/19/15 10:53	1
PCB-1232	ND		0.50	0.18	ug/L		10/17/15 08:38	10/19/15 10:53	1
PCB-1242	ND		0.50	0.18	ug/L		10/17/15 08:38	10/19/15 10:53	1
PCB-1248	ND		0.50	0.18	ug/L		10/17/15 08:38	10/19/15 10:53	1
PCB-1254	ND		0.50	0.25	ug/L		10/17/15 08:38	10/19/15 10:53	1
PCB-1260	ND		0.50	0.25	ug/L		10/17/15 08:38	10/19/15 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*24 - 150*	*10/17/15 08:38*	*10/19/15 10:53*	*1*
DCB Decachlorobiphenyl	*88*		*24 - 150*	*10/17/15 08:38*	*10/19/15 10:53*	*1*

Lab Sample ID: LCS 480-269387/2-A
Matrix: Water
Analysis Batch: 269590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.39		ug/L		85	29 - 123
PCB-1260	4.00	3.84		ug/L		96	50 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*84*		*24 - 150*
DCB Decachlorobiphenyl	*90*		*24 - 150*

Lab Sample ID: 480-89213-17MS
Matrix: Water
Analysis Batch: 269590

Client Sample ID: MP-406C
Prep Type: Total/NA
Prep Batch: 269387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		3.70	3.31		ug/L		90	29 - 123
PCB-1260	ND		3.70	3.51		ug/L		95	50 - 122

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

Lab Sample ID: 480-89213-17MS
Matrix: Water
Analysis Batch: 269590

Client Sample ID: MP-406C
Prep Type: Total/NA
Prep Batch: 269387

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*84*		*24 - 150*
DCB Decachlorobiphenyl	*78*		*24 - 150*

Lab Sample ID: 480-89213-17MSD
Matrix: Water
Analysis Batch: 269590

Client Sample ID: MP-406C
Prep Type: Total/NA
Prep Batch: 269387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		3.74	3.17		ug/L		85	29 - 123	4	30
PCB-1260	ND		3.74	3.39		ug/L		91	50 - 122	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*77*		*24 - 150*
DCB Decachlorobiphenyl	*80*		*24 - 150*

Lab Sample ID: MB 480-269397/1-A
Matrix: Water
Analysis Batch: 269590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 269397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/17/15 08:53	10/19/15 18:17	1
PCB-1221	ND		0.50	0.18	ug/L		10/17/15 08:53	10/19/15 18:17	1
PCB-1232	ND		0.50	0.18	ug/L		10/17/15 08:53	10/19/15 18:17	1
PCB-1242	ND		0.50	0.18	ug/L		10/17/15 08:53	10/19/15 18:17	1
PCB-1248	ND		0.50	0.18	ug/L		10/17/15 08:53	10/19/15 18:17	1
PCB-1254	ND		0.50	0.25	ug/L		10/17/15 08:53	10/19/15 18:17	1
PCB-1260	ND		0.50	0.25	ug/L		10/17/15 08:53	10/19/15 18:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*24 - 150*	*10/17/15 08:53*	*10/19/15 18:17*	*1*
DCB Decachlorobiphenyl	*44*		*24 - 150*	*10/17/15 08:53*	*10/19/15 18:17*	*1*

Lab Sample ID: LCS 480-269397/2-A
Matrix: Water
Analysis Batch: 269590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 269397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.45		ug/L		86	29 - 123
PCB-1260	4.00	3.15		ug/L		79	50 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*78*		*24 - 150*
DCB Decachlorobiphenyl	*47*		*24 - 150*

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

Lab Sample ID: LCSD 480-269397/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269590 — **Prep Batch: 269397**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	4.00	3.52		ug/L		88	29 - 123	2	30
PCB-1260	4.00	3.01		ug/L		75	50 - 122	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*24 - 150*
DCB Decachlorobiphenyl	*49*		*24 - 150*

Lab Sample ID: MB 480-270470/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270589 — **Prep Batch: 270470**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/22/15 14:39	10/23/15 07:53	1
PCB-1221	ND		0.50	0.18	ug/L		10/22/15 14:39	10/23/15 07:53	1
PCB-1232	ND		0.50	0.18	ug/L		10/22/15 14:39	10/23/15 07:53	1
PCB-1242	ND		0.50	0.18	ug/L		10/22/15 14:39	10/23/15 07:53	1
PCB-1248	ND		0.50	0.18	ug/L		10/22/15 14:39	10/23/15 07:53	1
PCB-1254	ND		0.50	0.25	ug/L		10/22/15 14:39	10/23/15 07:53	1
PCB-1260	ND		0.50	0.25	ug/L		10/22/15 14:39	10/23/15 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*24 - 150*	*10/22/15 14:39*	*10/23/15 07:53*	*1*
DCB Decachlorobiphenyl	*97*		*24 - 150*	*10/22/15 14:39*	*10/23/15 07:53*	*1*

Lab Sample ID: LCS 480-270470/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270589 — **Prep Batch: 270470**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.90		ug/L		98	29 - 123
PCB-1260	4.00	4.17		ug/L		104	50 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*24 - 150*
DCB Decachlorobiphenyl	*72*		*24 - 150*

Lab Sample ID: MB 480-270626/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270760 — **Prep Batch: 270626**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/23/15 08:29	10/23/15 16:27	1
PCB-1221	ND		0.50	0.18	ug/L		10/23/15 08:29	10/23/15 16:27	1
PCB-1232	ND		0.50	0.18	ug/L		10/23/15 08:29	10/23/15 16:27	1
PCB-1242	ND		0.50	0.18	ug/L		10/23/15 08:29	10/23/15 16:27	1
PCB-1248	ND		0.50	0.18	ug/L		10/23/15 08:29	10/23/15 16:27	1
PCB-1254	ND		0.50	0.25	ug/L		10/23/15 08:29	10/23/15 16:27	1

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

Lab Sample ID: MB 480-270626/1-A
Matrix: Water
Analysis Batch: 270760

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 270626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.50	0.25	ug/L		10/23/15 08:29	10/23/15 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*24 - 150*	*10/23/15 08:29*	*10/23/15 16:27*	*1*
DCB Decachlorobiphenyl	*76*		*24 - 150*	*10/23/15 08:29*	*10/23/15 16:27*	*1*

Lab Sample ID: LCS 480-270626/2-A
Matrix: Water
Analysis Batch: 270760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 270626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.82		ug/L		95	29 - 123
PCB-1260	4.00	3.91		ug/L		98	50 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*101*		*24 - 150*
DCB Decachlorobiphenyl	*59*		*24 - 150*

Lab Sample ID: LCSD 480-270626/3-A
Matrix: Water
Analysis Batch: 270760

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 270626

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	4.00	3.68		ug/L		92	29 - 123	4	30
PCB-1260	4.00	3.56		ug/L		89	50 - 122	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*96*		*24 - 150*
DCB Decachlorobiphenyl	*55*		*24 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-269260/1-A
Matrix: Water
Analysis Batch: 270129

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 269260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 11:20	1
Calcium, Dissolved	ND		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 11:20	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 11:20	1
Magnesium, Dissolved	ND		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 11:20	1
Potassium, Dissolved	ND		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 11:20	1
Sodium, Dissolved	ND		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 11:20	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-269260/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 270129 — **Prep Batch: 269260**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.200	0.200		mg/L		100	80 - 120
Calcium, Dissolved	10.0	9.62		mg/L		96	80 - 120
Chromium, Dissolved	0.200	0.198		mg/L		99	80 - 120
Magnesium, Dissolved	10.0	9.88		mg/L		99	80 - 120
Potassium, Dissolved	10.0	10.44		mg/L		104	80 - 120
Sodium, Dissolved	10.0	10.22		mg/L		102	80 - 120

Lab Sample ID: MB 480-269262/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 269902 — **Prep Batch: 269262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		10/19/15 07:55	10/20/15 13:07	1
Calcium, Dissolved	ND		0.10	0.10	mg/L		10/19/15 07:55	10/20/15 13:07	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 07:55	10/20/15 13:07	1
Magnesium, Dissolved	ND		0.20	0.043	mg/L		10/19/15 07:55	10/20/15 13:07	1
Potassium, Dissolved	ND		0.50	0.10	mg/L		10/19/15 07:55	10/20/15 13:07	1
Sodium, Dissolved	ND		0.90	0.32	mg/L		10/19/15 07:55	10/20/15 13:07	1

Lab Sample ID: LCS 480-269262/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 269902 — **Prep Batch: 269262**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.200	0.202		mg/L		101	80 - 120
Calcium, Dissolved	10.0	9.72		mg/L		97	80 - 120
Chromium, Dissolved	0.200	0.201		mg/L		101	80 - 120
Magnesium, Dissolved	10.0	10.01		mg/L		100	80 - 120
Potassium, Dissolved	10.0	10.62		mg/L		106	80 - 120
Sodium, Dissolved	10.0	10.26		mg/L		102	80 - 120

Lab Sample ID: MB 480-269591/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 270165 — **Prep Batch: 269591**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 12:33	1
Calcium, Dissolved	ND		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 12:33	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 12:33	1
Magnesium, Dissolved	ND		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 12:33	1
Potassium, Dissolved	ND		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 12:33	1
Sodium, Dissolved	ND		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 12:33	1

Lab Sample ID: LCS 480-269591/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 270165 — **Prep Batch: 269591**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.200	0.205		mg/L		103	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-269591/2-A
Matrix: Water
Analysis Batch: 270165

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 269591

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium, Dissolved	10.0	9.80		mg/L		98	80 - 120
Chromium, Dissolved	0.200	0.204		mg/L		102	80 - 120
Magnesium, Dissolved	10.0	10.15		mg/L		102	80 - 120
Potassium, Dissolved	10.0	10.20		mg/L		102	80 - 120
Sodium, Dissolved	10.0	10.21		mg/L		102	80 - 120

Lab Sample ID: MB 480-269592/1-A
Matrix: Water
Analysis Batch: 270171

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 269592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		10/19/15 11:25	10/21/15 14:18	1
Calcium, Dissolved	ND		0.10	0.10	mg/L		10/19/15 11:25	10/21/15 14:18	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		10/19/15 11:25	10/21/15 14:18	1
Magnesium, Dissolved	ND		0.20	0.043	mg/L		10/19/15 11:25	10/21/15 14:18	1
Potassium, Dissolved	ND		0.50	0.10	mg/L		10/19/15 11:25	10/21/15 14:18	1
Sodium, Dissolved	ND		0.90	0.32	mg/L		10/19/15 11:25	10/21/15 14:18	1

Lab Sample ID: LCS 480-269592/2-A
Matrix: Water
Analysis Batch: 270171

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 269592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.200	0.203		mg/L		102	80 - 120
Calcium, Dissolved	10.0	9.66		mg/L		97	80 - 120
Chromium, Dissolved	0.200	0.203		mg/L		101	80 - 120
Magnesium, Dissolved	10.0	10.11		mg/L		101	80 - 120
Potassium, Dissolved	10.0	10.02		mg/L		100	80 - 120
Sodium, Dissolved	10.0	10.09		mg/L		101	80 - 120

Lab Sample ID: 480-89213-26 MS
Matrix: Water
Analysis Batch: 270129

Client Sample ID: MP-402A
Prep Type: Dissolved
Prep Batch: 269260

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.014		0.200	0.205		mg/L		95	75 - 125
Calcium, Dissolved	240		10.0	247.1	4	mg/L		74	75 - 125
Chromium, Dissolved	ND		0.200	0.192		mg/L		96	75 - 125
Magnesium, Dissolved	103		10.0	111.8	4	mg/L		93	75 - 125
Potassium, Dissolved	3.9		10.0	14.61		mg/L		107	75 - 125
Sodium, Dissolved	247		10.0	256.3	4	mg/L		96	75 - 125

Lab Sample ID: 480-89213-26 MSD
Matrix: Water
Analysis Batch: 270129

Client Sample ID: MP-402A
Prep Type: Dissolved
Prep Batch: 269260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.014		0.200	0.202		mg/L		94	75 - 125	1	20
Calcium, Dissolved	240		10.0	242.7	4	mg/L		30	75 - 125	2	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-89213-26 MSD — **Client Sample ID: MP-402A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270129 — **Prep Batch: 269260**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, Dissolved	ND		0.200	0.189		mg/L		95	75 - 125	1	20
Magnesium, Dissolved	103		10.0	110.1	4	mg/L		76	75 - 125	2	20
Potassium, Dissolved	3.9		10.0	14.36		mg/L		105	75 - 125	2	20
Sodium, Dissolved	247		10.0	251.9	4	mg/L		52	75 - 125	2	20

Lab Sample ID: 480-89213-17MS — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 269902 — **Prep Batch: 269262**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.15		0.200	0.343		mg/L		97	75 - 125
Calcium, Dissolved	79.2		10.0	87.63	4	mg/L		85	75 - 125
Chromium, Dissolved	ND		0.200	0.198		mg/L		99	75 - 125
Magnesium, Dissolved	30.6		10.0	39.96		mg/L		94	75 - 125
Potassium, Dissolved	3.6		10.0	14.13		mg/L		105	75 - 125
Sodium, Dissolved	74.9		10.0	83.58	4	mg/L		87	75 - 125

Lab Sample ID: 480-89213-17MSD — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 269902 — **Prep Batch: 269262**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.15		0.200	0.341		mg/L		96	75 - 125	1	20
Calcium, Dissolved	79.2		10.0	87.27	4	mg/L		81	75 - 125	0	20
Chromium, Dissolved	ND		0.200	0.197		mg/L		98	75 - 125	0	20
Magnesium, Dissolved	30.6		10.0	39.67		mg/L		91	75 - 125	1	20
Potassium, Dissolved	3.6		10.0	14.10		mg/L		105	75 - 125	0	20
Sodium, Dissolved	74.9		10.0	83.70	4	mg/L		88	75 - 125	0	20

Lab Sample ID: 480-89266-18 MS — **Client Sample ID: MP-232A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270165 — **Prep Batch: 269591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.029		0.200	0.228		mg/L		100	75 - 125
Calcium, Dissolved	166		10.0	177.1	4	mg/L		115	75 - 125
Chromium, Dissolved	ND		0.200	0.200		mg/L		100	75 - 125
Magnesium, Dissolved	71.1		10.0	81.56	4	mg/L		105	75 - 125
Potassium, Dissolved	2.4		10.0	12.64		mg/L		103	75 - 125
Sodium, Dissolved	67.5		10.0	78.26	4	mg/L		107	75 - 125

Lab Sample ID: 480-89266-18 MSD — **Client Sample ID: MP-232A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270165 — **Prep Batch: 269591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.029		0.200	0.232		mg/L		102	75 - 125	2	20
Calcium, Dissolved	166		10.0	179.5	4	mg/L		140	75 - 125	1	20
Chromium, Dissolved	ND		0.200	0.203		mg/L		102	75 - 125	1	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-89266-18 MSD — **Client Sample ID: MP-232A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270165 — **Prep Batch: 269591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium, Dissolved	71.1		10.0	82.82	4	mg/L		118	75 - 125	2	20
Potassium, Dissolved	2.4		10.0	12.87		mg/L		105	75 - 125	2	20
Sodium, Dissolved	67.5		10.0	79.73	4	mg/L		122	75 - 125	2	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-269222/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269659 — **Prep Batch: 269222**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/16/15 15:30	10/17/15 22:34	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:30	10/17/15 22:34	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:30	10/17/15 22:34	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:30	10/17/15 22:34	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:30	10/17/15 22:34	1

Lab Sample ID: LCS 480-269222/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269659 — **Prep Batch: 269222**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0195		mg/L		98	80 - 120
Cadmium, Dissolved	0.0200	0.0193		mg/L		97	80 - 120
Lead, Dissolved	0.0200	0.0196		mg/L		98	80 - 120
Silver, Dissolved	0.0200	0.0195		mg/L		97	80 - 120
Selenium, Dissolved	0.0200	0.0195		mg/L		97	80 - 120

Lab Sample ID: MB 480-269224/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269437 — **Prep Batch: 269224**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/16/15 15:05	10/17/15 07:14	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/16/15 15:05	10/17/15 07:14	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/16/15 15:05	10/17/15 07:14	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/16/15 15:05	10/17/15 07:14	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/16/15 15:05	10/17/15 07:14	1

Lab Sample ID: LCS 480-269224/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269437 — **Prep Batch: 269224**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0190		mg/L		95	80 - 120
Cadmium, Dissolved	0.0200	0.0195		mg/L		98	80 - 120
Lead, Dissolved	0.0200	0.0194		mg/L		97	80 - 120
Silver, Dissolved	0.0200	0.0196		mg/L		98	80 - 120
Selenium, Dissolved	0.0200	0.0192		mg/L		96	80 - 120

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 480-269413/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270139 — **Prep Batch: 269413**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/19/15 13:05	10/21/15 08:35	1
Cadmium, Dissolved	0.000154	J	0.0010	0.000071	mg/L		10/19/15 13:05	10/21/15 08:35	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 13:05	10/21/15 08:35	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 13:05	10/21/15 08:35	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 13:05	10/21/15 08:35	1

Lab Sample ID: LCS 480-269413/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270139 — **Prep Batch: 269413**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0201		mg/L		100	80 - 120
Cadmium, Dissolved	0.0200	0.0198		mg/L		99	80 - 120
Lead, Dissolved	0.0200	0.0207		mg/L		103	80 - 120
Silver, Dissolved	0.0200	0.0186		mg/L		93	80 - 120
Selenium, Dissolved	0.0200	0.0216		mg/L		108	80 - 120

Lab Sample ID: MB 480-269414/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270695 — **Prep Batch: 269414**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		10/19/15 11:25	10/23/15 08:29	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		10/19/15 11:25	10/23/15 08:29	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		10/19/15 11:25	10/23/15 08:29	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		10/19/15 11:25	10/23/15 08:29	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		10/19/15 11:25	10/23/15 08:29	1

Lab Sample ID: LCS 480-269414/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270695 — **Prep Batch: 269414**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0196		mg/L		98	80 - 120
Cadmium, Dissolved	0.0200	0.0202		mg/L		101	80 - 120
Lead, Dissolved	0.0200	0.0216		mg/L		108	80 - 120
Silver, Dissolved	0.0200	0.0199		mg/L		100	80 - 120
Selenium, Dissolved	0.0200	0.0198		mg/L		99	80 - 120

Lab Sample ID: 480-89213-17MS — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 269659 — **Prep Batch: 269222**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0038		0.0200	0.0246		mg/L		104	75 - 125
Cadmium, Dissolved	0.00014	J	0.0200	0.0199		mg/L		99	75 - 125
Lead, Dissolved	ND		0.0200	0.0198		mg/L		99	75 - 125
Silver, Dissolved	ND		0.0200	0.0195		mg/L		98	75 - 125
Selenium, Dissolved	ND		0.0200	0.0200		mg/L		100	75 - 125

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-89213-17MSD — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 269659 — **Prep Batch: 269222**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0038		0.0200	0.0244		mg/L		103	75 - 125	1	20
Cadmium, Dissolved	0.00014	J	0.0200	0.0195		mg/L		97	75 - 125	2	20
Lead, Dissolved	ND		0.0200	0.0199		mg/L		99	75 - 125	0	20
Silver, Dissolved	ND		0.0200	0.0194		mg/L		97	75 - 125	1	20
Selenium, Dissolved	ND		0.0200	0.0201		mg/L		101	75 - 125	1	20

Lab Sample ID: 480-89266-19 MS — **Client Sample ID: MP-281**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270139 — **Prep Batch: 269413**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0018		0.0200	0.0215		mg/L		98	75 - 125
Cadmium, Dissolved	ND		0.0200	0.0195		mg/L		97	75 - 125
Lead, Dissolved	ND		0.0200	0.0199		mg/L		99	75 - 125
Selenium, Dissolved	ND		0.0200	0.0206		mg/L		103	75 - 125

Lab Sample ID: 480-89266-19 MS — **Client Sample ID: MP-281**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270410 — **Prep Batch: 269413**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver, Dissolved	0.00014	J	0.0200	0.0195		mg/L		97	75 - 125

Lab Sample ID: 480-89266-19 MSD — **Client Sample ID: MP-281**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270139 — **Prep Batch: 269413**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0018		0.0200	0.0211		mg/L		97	75 - 125	2	20
Cadmium, Dissolved	ND		0.0200	0.0185		mg/L		92	75 - 125	5	20
Lead, Dissolved	ND		0.0200	0.0190		mg/L		95	75 - 125	5	20
Selenium, Dissolved	ND		0.0200	0.0200		mg/L		100	75 - 125	3	20

Lab Sample ID: 480-89266-19 MSD — **Client Sample ID: MP-281**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270410 — **Prep Batch: 269413**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver, Dissolved	0.00014	J	0.0200	0.0190		mg/L		94	75 - 125	3	20

Lab Sample ID: 480-89266-1 MS — **Client Sample ID: MP-214BR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270695 — **Prep Batch: 269414**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0027		0.0200	0.0232		mg/L		102	75 - 125
Cadmium, Dissolved	ND		0.0200	0.0199		mg/L		100	75 - 125
Lead, Dissolved	ND		0.0200	0.0203		mg/L		101	75 - 125
Silver, Dissolved	ND		0.0200	0.0193		mg/L		96	75 - 125

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-89266-1 MS — **Client Sample ID: MP-214BR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270695 — **Prep Batch: 269414**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium, Dissolved	ND		0.0200	0.0215		mg/L		107	75 - 125

Lab Sample ID: 480-89266-1 MSD — **Client Sample ID: MP-214BR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270695 — **Prep Batch: 269414**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0027		0.0200	0.0233		mg/L		103	75 - 125	1	20
Cadmium, Dissolved	ND		0.0200	0.0203		mg/L		102	75 - 125	2	20
Lead, Dissolved	ND		0.0200	0.0207		mg/L		103	75 - 125	2	20
Silver, Dissolved	ND		0.0200	0.0195		mg/L		97	75 - 125	1	20
Selenium, Dissolved	ND		0.0200	0.0219		mg/L		110	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-270041/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270342 — **Prep Batch: 270041**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 16:36	1

Lab Sample ID: LCS 480-270041/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270342 — **Prep Batch: 270041**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00663		mg/L		99	80 - 120

Lab Sample ID: MB 480-270047/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270342 — **Prep Batch: 270047**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/21/15 11:40	10/21/15 17:25	1

Lab Sample ID: LCS 480-270047/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270342 — **Prep Batch: 270047**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00662		mg/L		99	80 - 120

Lab Sample ID: MB 480-270303/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270517 — **Prep Batch: 270303**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 14:42	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-270303/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270517 — **Prep Batch: 270303**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00668		mg/L		100	80 - 120

Lab Sample ID: MB 480-270304/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270517 — **Prep Batch: 270304**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		10/22/15 09:50	10/22/15 15:31	1

Lab Sample ID: LCS 480-270304/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270517 — **Prep Batch: 270304**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00688		mg/L		103	80 - 120

Lab Sample ID: 480-89213-9 MS — **Client Sample ID: MP-277A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270342 — **Prep Batch: 270041**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	ND		0.00667	0.00653		mg/L		98	80 - 120

Lab Sample ID: 480-89213-9 MSD — **Client Sample ID: MP-277A**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270342 — **Prep Batch: 270041**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00655		mg/L		98	80 - 120	0	20

Lab Sample ID: 480-89213-17MS — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270342 — **Prep Batch: 270047**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	ND		0.00667	0.00665		mg/L		100	80 - 120

Lab Sample ID: 480-89213-17MSD — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270342 — **Prep Batch: 270047**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00650		mg/L		97	80 - 120	2	20

Lab Sample ID: 480-89266-3 MS — **Client Sample ID: MP-233R**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270517 — **Prep Batch: 270304**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	ND		0.00667	0.00662		mg/L		99	80 - 120

Lab Sample ID: 480-89266-3 MSD — **Client Sample ID: MP-233R**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 270517 — **Prep Batch: 270304**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00647		mg/L		97	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-269201/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/16/15 16:53	1
Sulfate	ND		2.0	0.35	mg/L			10/16/15 16:53	1

Lab Sample ID: MB 480-269201/52 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/16/15 20:08	1
Sulfate	ND		2.0	0.35	mg/L			10/16/15 20:08	1

Lab Sample ID: MB 480-269201/76 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/16/15 23:23	1
Sulfate	ND		2.0	0.35	mg/L			10/16/15 23:23	1

Lab Sample ID: LCS 480-269201/27 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.62		mg/L		103	90 - 110
Sulfate	20.0	19.17		mg/L		96	90 - 110

Lab Sample ID: LCS 480-269201/51 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.67		mg/L		103	90 - 110
Sulfate	20.0	19.43		mg/L		97	90 - 110

Lab Sample ID: LCS 480-269201/75 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.88		mg/L		104	90 - 110
Sulfate	20.0	19.91		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-89213-14 MS — **Client Sample ID: MP-213A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	24.2		125	149.1		mg/L		100	81 - 120

Lab Sample ID: 480-89213-14 MSD — **Client Sample ID: MP-213A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	24.2		125	150.6		mg/L		101	81 - 120	1	20

Lab Sample ID: 480-89213-17MS — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	58.3		25.0	80.32		mg/L		88	81 - 120
Sulfate	53.1		25.0	74.33		mg/L		85	80 - 120

Lab Sample ID: 480-89213-17MSD — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.3		25.0	80.74		mg/L		90	81 - 120	1	20
Sulfate	53.1		25.0	74.92		mg/L		87	80 - 120	1	20

Lab Sample ID: MB 480-269521/32 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/19/15 20:38	1
Sulfate	ND		2.0	0.35	mg/L			10/19/15 20:38	1

Lab Sample ID: MB 480-269521/60 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/20/15 03:27	1
Sulfate	ND		2.0	0.35	mg/L			10/20/15 03:27	1

Lab Sample ID: LCS 480-269521/31 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.40		mg/L		102	90 - 110
Sulfate	20.0	19.99		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-269521/59 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.52		mg/L		103	90 - 110
Sulfate	20.0	20.60		mg/L		103	90 - 110

Lab Sample ID: 480-89266-10 MS — **Client Sample ID: MP-401A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269521

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	102		125	223.6		mg/L		98	81 - 120
Sulfate	372		125	481.2		mg/L		88	80 - 120

Lab Sample ID: 480-89266-10 MSD — **Client Sample ID: MP-401A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269521

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	102		125	223.3		mg/L		97	81 - 120	0	20
Sulfate	372		125	480.9		mg/L		87	80 - 120	0	20

Lab Sample ID: MB 480-269523/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/19/15 17:13	1
Sulfate	ND		2.0	0.35	mg/L			10/19/15 17:13	1

Lab Sample ID: MB 480-269523/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/19/15 08:40	1
Sulfate	ND		2.0	0.35	mg/L			10/19/15 08:40	1

Lab Sample ID: MB 480-269523/52 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/19/15 22:39	1
Sulfate	ND		2.0	0.35	mg/L			10/19/15 22:39	1

Lab Sample ID: LCS 480-269523/27 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	19.97		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-269523/27 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	18.90		mg/L		94	90 - 110

Lab Sample ID: LCS 480-269523/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.21		mg/L		101	90 - 110
Sulfate	20.0	19.18		mg/L		96	90 - 110

Lab Sample ID: LCS 480-269523/51 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	19.95		mg/L		100	90 - 110
Sulfate	20.0	18.81		mg/L		94	90 - 110

Lab Sample ID: 480-89213-22 MS — **Client Sample ID: MP-286C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	58.6		50.0	106.8		mg/L		97	81 - 120
Sulfate	90.7		50.0	133.2		mg/L		85	80 - 120

Lab Sample ID: 480-89213-22 MSD — **Client Sample ID: MP-286C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.6		50.0	106.2		mg/L		95	81 - 120	1	20
Sulfate	90.7		50.0	132.2		mg/L		83	80 - 120	1	20

Lab Sample ID: 480-89266-15 MS — **Client Sample ID: MP-241R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	71.1		50.0	118.0		mg/L		94	81 - 120
Sulfate	86.5		50.0	129.4		mg/L		86	80 - 120

Lab Sample ID: 480-89266-15 MSD — **Client Sample ID: MP-241R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	71.1		50.0	118.9		mg/L		96	81 - 120	1	20
Sulfate	86.5		50.0	131.0		mg/L		89	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-89266-24 MS — **Client Sample ID: MP-274A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	21.3		250	263.8		mg/L		97	81 - 120
Sulfate	359		250	583.0		mg/L		89	80 - 120

Lab Sample ID: MB 480-270091/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/21/15 16:26	1
Sulfate	ND		2.0	0.35	mg/L			10/21/15 16:26	1

Lab Sample ID: MB 480-270091/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/21/15 13:02	1
Sulfate	ND		2.0	0.35	mg/L			10/21/15 13:02	1

Lab Sample ID: MB 480-270091/52 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/21/15 19:44	1
Sulfate	ND		2.0	0.35	mg/L			10/21/15 19:44	1

Lab Sample ID: LCS 480-270091/27 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	19.87		mg/L		99	90 - 110
Sulfate	20.0	19.02		mg/L		95	90 - 110

Lab Sample ID: LCS 480-270091/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	19.97		mg/L		100	90 - 110
Sulfate	20.0	19.02		mg/L		95	90 - 110

Lab Sample ID: LCS 480-270091/51 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.07		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-270091/51
Matrix: Water
Analysis Batch: 270091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	20.13		mg/L		101	90 - 110

Lab Sample ID: MB 480-272130/76
Matrix: Water
Analysis Batch: 272130

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/30/15 21:51	1
Sulfate	ND		2.0	0.35	mg/L			10/30/15 21:51	1

Lab Sample ID: LCS 480-272130/75
Matrix: Water
Analysis Batch: 272130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.49		mg/L		102	90 - 110
Sulfate	20.0	19.40		mg/L		97	90 - 110

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-270770/3
Matrix: Water
Analysis Batch: 270770

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.576	J	1.0	0.43	mg/L			10/22/15 17:33	1

Lab Sample ID: LCS 480-270770/4
Matrix: Water
Analysis Batch: 270770

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	61.02		mg/L		102	90 - 110

Lab Sample ID: MB 480-270968/27
Matrix: Water
Analysis Batch: 270968

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/24/15 03:14	1

Lab Sample ID: MB 480-270968/3
Matrix: Water
Analysis Batch: 270968

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/23/15 15:56	1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 480-270968/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	56.26		mg/L		94	90 - 110

Lab Sample ID: LCS 480-270968/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	57.38		mg/L		96	90 - 110

Lab Sample ID: 480-89213-8 MS — **Client Sample ID: MP-206AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270968

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.1		20.0	19.42		mg/L		91	54 - 131

Lab Sample ID: 480-89213-7 DU — **Client Sample ID: FIELD BLANK DMP**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270968

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	ND		ND		mg/L		NC	20

Lab Sample ID: MB 480-271114/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.570	J	1.0	0.43	mg/L			10/26/15 07:14	1

Lab Sample ID: MB 480-271114/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.570	J	1.0	0.43	mg/L			10/25/15 20:06	1

Lab Sample ID: LCS 480-271114/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	61.80		mg/L		103	90 - 110

Lab Sample ID: LCS 480-271114/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	61.60		mg/L		103	90 - 110

QC Sample Results

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

TestAmerica Job ID: 480-89213-1

Lab Sample ID: 480-89266-8 MS — **Client Sample ID: MP-244R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	ND		20.0	21.03		mg/L		105	54 - 131		

Lab Sample ID: 480-89266-14 MS — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	ND		20.0	20.97		mg/L		105	54 - 131		

Lab Sample ID: 480-89266-22 MS — **Client Sample ID: MP-279**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	2.3	B	20.0	21.81		mg/L		97	54 - 131		

Lab Sample ID: 480-89266-7 DU — **Client Sample ID: MP-244ARR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	0.95	J B		0.933	J	mg/L				2	20

Lab Sample ID: 480-89266-13 DU — **Client Sample ID: MP-238R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	ND			ND		mg/L				NC	20

Lab Sample ID: 480-89266-21 DU — **Client Sample ID: MP-251A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271114

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	0.88	J B		0.834	J	mg/L				6	20

Lab Sample ID: MB 480-271198/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/26/15 05:57	1

Lab Sample ID: MB 480-271198/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/25/15 18:37	1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 480-271198/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	56.72		mg/L		95	90 - 110

Lab Sample ID: LCS 480-271198/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	56.57		mg/L		94	90 - 110

Lab Sample ID: 480-89213-17MS — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	0.88	J	20.0	19.17		mg/L		91	54 - 131

Lab Sample ID: 480-89213-17MSD — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	0.88	J	20.0	19.06		mg/L		91	54 - 131	1	20

Lab Sample ID: 480-89213-20 MS — **Client Sample ID: MP-280A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.2		20.0	19.18		mg/L		90	54 - 131

Lab Sample ID: 480-89266-4 MS — **Client Sample ID: MP-250**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	0.60	J	20.0	18.45		mg/L		89	54 - 131

Lab Sample ID: 480-89266-2 DU — **Client Sample ID: MP-403A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271198

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	1.6		1.60		mg/L		0.9	20

Lab Sample ID: MB 480-271840/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/27/15 17:26	1

Lab Sample ID: LCS 480-271840/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 271840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	55.44		mg/L		92	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-269517/30 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			10/16/15 21:29	1

Lab Sample ID: MB 480-269517/54 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			10/17/15 00:13	1

Lab Sample ID: LCS 480-269517/31 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	100.7		mg/L		101	90 - 110

Lab Sample ID: LCS 480-269517/55 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	101.2		mg/L		101	90 - 110

Lab Sample ID: 480-89213-13 MS — **Client Sample ID: DUPLICATE DMP #1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	522		100	564.0	4	mg/L		42	60 - 140

Lab Sample ID: 480-89213-17MS — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	381	F1	100	424.2	F1	mg/L		43	60 - 140

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 480-89213-17MSD — **Client Sample ID: MP-406C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total	381	F1	100	429.6	F1	mg/L		49	60 - 140	1	20

Lab Sample ID: 480-89213-12 DU — **Client Sample ID: MP-235CR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269517

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity, Total	520			518.8		mg/L				0.3	20

Lab Sample ID: MB 480-269721/30 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269721

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.880	J	5.0	0.79	mg/L			10/19/15 05:17	1

Lab Sample ID: MB 480-269721/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269721

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			10/19/15 02:49	1

Lab Sample ID: LCS 480-269721/31 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269721

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity, Total			100	100.2		mg/L		100	90 - 110		

Lab Sample ID: LCS 480-269721/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269721

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity, Total			100	100.2		mg/L		100	90 - 110		

Lab Sample ID: 480-89213-26 MS — **Client Sample ID: MP-402A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269721

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity, Total	453		100	507.6	4	mg/L		55	60 - 140		

Lab Sample ID: MB 480-269730/30 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			10/20/15 05:35	1

QC Sample Results

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

TestAmerica Job ID: 480-89213-1

Lab Sample ID: MB 480-269730/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.880	J	5.0	0.79	mg/L			10/20/15 02:59	1

Lab Sample ID: LCS 480-269730/31 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	100.8		mg/L		101	90 - 110

Lab Sample ID: LCS 480-269730/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	100.5		mg/L		101	90 - 110

Lab Sample ID: 480-89266-9 MS — **Client Sample ID: MP-407**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	229	B	100	301.3		mg/L		73	60 - 140

Lab Sample ID: 480-89266-17 MS — **Client Sample ID: MP-230A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	352	F1	100	410.1	F1	mg/L		58	60 - 140

Lab Sample ID: 480-89266-8 DU — **Client Sample ID: MP-244R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	281	B	282.0		mg/L		0.2	20

Lab Sample ID: 480-89266-16 DU — **Client Sample ID: MP-228AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 269730

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	424		426.0		mg/L		0.5	20

Lab Sample ID: MB 480-270275/30 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 270275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			10/21/15 21:49	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 480-270275/7
Matrix: Water
Analysis Batch: 270275

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.870	J	5.0	0.79	mg/L			10/21/15 19:20	1

Lab Sample ID: LCS 480-270275/31
Matrix: Water
Analysis Batch: 270275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	99.92		mg/L		100	90 - 110

Lab Sample ID: LCS 480-270275/8
Matrix: Water
Analysis Batch: 270275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	99.44		mg/L		99	90 - 110

QC Association Summary

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

TestAmerica Job ID: 480-89213-1

GC/MS VOA

Analysis Batch: 269104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	8260C	
480-89213-2	MP-211BR	Total/NA	Water	8260C	
480-89213-3	MP-405A	Total/NA	Water	8260C	
480-89213-4	MP-404A	Total/NA	Water	8260C	
480-89213-5	MP-404	Total/NA	Water	8260C	
480-89213-6	MP-210AR	Total/NA	Water	8260C	
480-89213-7	FIELD BLANK DMP	Total/NA	Water	8260C	
480-89213-8	MP-206AR	Total/NA	Water	8260C	
480-89213-9	MP-277A	Total/NA	Water	8260C	
480-89213-10	MP-235R	Total/NA	Water	8260C	
480-89213-17	MP-406C	Total/NA	Water	8260C	
480-89213-17MS	MP-406C	Total/NA	Water	8260C	
480-89213-17MSD	MP-406C	Total/NA	Water	8260C	
LCS 480-269104/8	Lab Control Sample	Total/NA	Water	8260C	
MB 480-269104/10	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 269184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-11	MP-235BR	Total/NA	Water	8260C	
480-89213-12	MP-235CR	Total/NA	Water	8260C	
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	8260C	
480-89213-14	MP-213A	Total/NA	Water	8260C	
480-89213-15	MP-408	Total/NA	Water	8260C	
480-89213-16	TRIP BLANKS	Total/NA	Water	8260C	
480-89213-18	MP-280	Total/NA	Water	8260C	
480-89213-19	MP-231AR	Total/NA	Water	8260C	
480-89213-20	MP-280A	Total/NA	Water	8260C	
480-89213-21	MP-227R	Total/NA	Water	8260C	
480-89213-22	MP-286C	Total/NA	Water	8260C	
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	8260C	
480-89213-24	MP-234AR	Total/NA	Water	8260C	
480-89213-25	MP-234R	Total/NA	Water	8260C	
480-89213-26	MP-402A	Total/NA	Water	8260C	
LCS 480-269184/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-269184/7	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-269184/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 270863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Total/NA	Water	8260C	
480-89266-2	MP-403A	Total/NA	Water	8260C	
480-89266-3	MP-233R	Total/NA	Water	8260C	
480-89266-4	MP-250	Total/NA	Water	8260C	
480-89266-5	MP-250A	Total/NA	Water	8260C	
480-89266-6	MP-233AR	Total/NA	Water	8260C	
480-89266-7	MP-244ARR	Total/NA	Water	8260C	
480-89266-8	MP-244R	Total/NA	Water	8260C	
480-89266-9	MP-407	Total/NA	Water	8260C	
480-89266-10	MP-401A	Total/NA	Water	8260C	
480-89266-11	MP-401B	Total/NA	Water	8260C	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 270863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-13	MP-238R	Total/NA	Water	8260C	
480-89266-14	MP-237	Total/NA	Water	8260C	
480-89266-15	MP-241R	Total/NA	Water	8260C	
480-89266-16	MP-228AR	Total/NA	Water	8260C	
480-89266-17	MP-230A	Total/NA	Water	8260C	
LCS 480-270863/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-270863/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 270943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-18	MP-232A	Total/NA	Water	8260C	
480-89266-19	MP-281	Total/NA	Water	8260C	
480-89266-20	MP-281C	Total/NA	Water	8260C	
480-89266-21	MP-251A	Total/NA	Water	8260C	
480-89266-22	MP-279	Total/NA	Water	8260C	
480-89266-23	MP-274	Total/NA	Water	8260C	
480-89266-24	MP-274A	Total/NA	Water	8260C	
LCS 480-270943/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-270943/6	Method Blank	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 269387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	3510C	
480-89213-2	MP-211BR	Total/NA	Water	3510C	
480-89213-3	MP-405A	Total/NA	Water	3510C	
480-89213-4	MP-404A	Total/NA	Water	3510C	
480-89213-5	MP-404	Total/NA	Water	3510C	
480-89213-6	MP-210AR	Total/NA	Water	3510C	
480-89213-7	FIELD BLANK DMP	Total/NA	Water	3510C	
480-89213-8	MP-206AR	Total/NA	Water	3510C	
480-89213-9	MP-277A	Total/NA	Water	3510C	
480-89213-10	MP-235R	Total/NA	Water	3510C	
480-89213-11	MP-235BR	Total/NA	Water	3510C	
480-89213-12	MP-235CR	Total/NA	Water	3510C	
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	3510C	
480-89213-14	MP-213A	Total/NA	Water	3510C	
480-89213-15	MP-408	Total/NA	Water	3510C	
480-89213-17	MP-406C	Total/NA	Water	3510C	
480-89213-17MS	MP-406C	Total/NA	Water	3510C	
480-89213-17MSD	MP-406C	Total/NA	Water	3510C	
480-89213-18	MP-280	Total/NA	Water	3510C	
480-89213-19	MP-231AR	Total/NA	Water	3510C	
LCS 480-269387/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-269387/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 269397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-20	MP-280A	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 269397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-21	MP-227R	Total/NA	Water	3510C	
480-89213-22	MP-286C	Total/NA	Water	3510C	
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	3510C	
480-89213-24	MP-234AR	Total/NA	Water	3510C	
480-89213-25	MP-234R	Total/NA	Water	3510C	
480-89213-26	MP-402A	Total/NA	Water	3510C	
LCS 480-269397/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-269397/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-269397/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 269590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	8082A	269387
480-89213-2	MP-211BR	Total/NA	Water	8082A	269387
480-89213-3	MP-405A	Total/NA	Water	8082A	269387
480-89213-4	MP-404A	Total/NA	Water	8082A	269387
480-89213-5	MP-404	Total/NA	Water	8082A	269387
480-89213-6	MP-210AR	Total/NA	Water	8082A	269387
480-89213-7	FIELD BLANK DMP	Total/NA	Water	8082A	269387
480-89213-8	MP-206AR	Total/NA	Water	8082A	269387
480-89213-9	MP-277A	Total/NA	Water	8082A	269387
480-89213-10	MP-235R	Total/NA	Water	8082A	269387
480-89213-11	MP-235BR	Total/NA	Water	8082A	269387
480-89213-12	MP-235CR	Total/NA	Water	8082A	269387
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	8082A	269387
480-89213-14	MP-213A	Total/NA	Water	8082A	269387
480-89213-15	MP-408	Total/NA	Water	8082A	269387
480-89213-17	MP-406C	Total/NA	Water	8082A	269387
480-89213-17MS	MP-406C	Total/NA	Water	8082A	269387
480-89213-17MSD	MP-406C	Total/NA	Water	8082A	269387
480-89213-18	MP-280	Total/NA	Water	8082A	269387
480-89213-19	MP-231AR	Total/NA	Water	8082A	269387
480-89213-20	MP-280A	Total/NA	Water	8082A	269397
480-89213-21	MP-227R	Total/NA	Water	8082A	269397
480-89213-22	MP-286C	Total/NA	Water	8082A	269397
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	8082A	269397
480-89213-24	MP-234AR	Total/NA	Water	8082A	269397
480-89213-25	MP-234R	Total/NA	Water	8082A	269397
480-89213-26	MP-402A	Total/NA	Water	8082A	269397
LCS 480-269387/2-A	Lab Control Sample	Total/NA	Water	8082A	269387
LCS 480-269397/2-A	Lab Control Sample	Total/NA	Water	8082A	269397
LCSD 480-269397/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	269397
MB 480-269387/1-A	Method Blank	Total/NA	Water	8082A	269387
MB 480-269397/1-A	Method Blank	Total/NA	Water	8082A	269397

Prep Batch: 269623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	8011	
480-89213-2	MP-211BR	Total/NA	Water	8011	
480-89213-3	MP-405A	Total/NA	Water	8011	
480-89213-4	MP-404A	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 269623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-5	MP-404	Total/NA	Water	8011	
480-89213-6	MP-210AR	Total/NA	Water	8011	
480-89213-7	FIELD BLANK DMP	Total/NA	Water	8011	
480-89213-8	MP-206AR	Total/NA	Water	8011	
480-89213-9	MP-277A	Total/NA	Water	8011	
480-89213-10	MP-235R	Total/NA	Water	8011	
480-89213-11	MP-235BR	Total/NA	Water	8011	
480-89213-12	MP-235CR	Total/NA	Water	8011	
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	8011	
480-89213-14	MP-213A	Total/NA	Water	8011	
480-89213-15	MP-408	Total/NA	Water	8011	
480-89213-16	TRIP BLANKS	Total/NA	Water	8011	
LCS 480-269623/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-269623/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 480-269623/1-A	Method Blank	Total/NA	Water	8011	

Prep Batch: 269832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-17	MP-406C	Total/NA	Water	8011	
480-89213-17MS	MP-406C	Total/NA	Water	8011	
480-89213-17MSD	MP-406C	Total/NA	Water	8011	
480-89213-18	MP-280	Total/NA	Water	8011	
480-89213-19	MP-231AR	Total/NA	Water	8011	
480-89213-20	MP-280A	Total/NA	Water	8011	
480-89213-21	MP-227R	Total/NA	Water	8011	
480-89213-22	MP-286C	Total/NA	Water	8011	
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	8011	
480-89213-24	MP-234AR	Total/NA	Water	8011	
480-89213-25	MP-234R	Total/NA	Water	8011	
480-89213-26	MP-402A	Total/NA	Water	8011	
LCS 480-269832/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 480-269832/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 269948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-17	MP-406C	Total/NA	Water	8011	269832
480-89213-17MS	MP-406C	Total/NA	Water	8011	269832
480-89213-17MSD	MP-406C	Total/NA	Water	8011	269832
480-89213-18	MP-280	Total/NA	Water	8011	269832
480-89213-19	MP-231AR	Total/NA	Water	8011	269832
480-89213-20	MP-280A	Total/NA	Water	8011	269832
480-89213-21	MP-227R	Total/NA	Water	8011	269832
480-89213-22	MP-286C	Total/NA	Water	8011	269832
LCS 480-269832/2-A	Lab Control Sample	Total/NA	Water	8011	269832
MB 480-269832/1-A	Method Blank	Total/NA	Water	8011	269832

Prep Batch: 270111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Total/NA	Water	8011	
480-89266-2	MP-403A	Total/NA	Water	8011	
480-89266-3	MP-233R	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 270111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-4	MP-250	Total/NA	Water	8011	
480-89266-5	MP-250A	Total/NA	Water	8011	
480-89266-6	MP-233AR	Total/NA	Water	8011	
480-89266-7	MP-244ARR	Total/NA	Water	8011	
480-89266-8	MP-244R	Total/NA	Water	8011	
480-89266-9	MP-407	Total/NA	Water	8011	
480-89266-10	MP-401A	Total/NA	Water	8011	
480-89266-11	MP-401B	Total/NA	Water	8011	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	8011	
LCS 480-270111/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-270111/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 480-270111/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 270156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	8011	269832
480-89213-24	MP-234AR	Total/NA	Water	8011	269832
480-89213-25	MP-234R	Total/NA	Water	8011	269832
480-89213-26	MP-402A	Total/NA	Water	8011	269832
480-89266-1	MP-214BR	Total/NA	Water	8011	270111
480-89266-2	MP-403A	Total/NA	Water	8011	270111
480-89266-3	MP-233R	Total/NA	Water	8011	270111
480-89266-4	MP-250	Total/NA	Water	8011	270111
480-89266-5	MP-250A	Total/NA	Water	8011	270111
480-89266-6	MP-233AR	Total/NA	Water	8011	270111
480-89266-7	MP-244ARR	Total/NA	Water	8011	270111
480-89266-8	MP-244R	Total/NA	Water	8011	270111
480-89266-9	MP-407	Total/NA	Water	8011	270111
480-89266-10	MP-401A	Total/NA	Water	8011	270111
480-89266-11	MP-401B	Total/NA	Water	8011	270111
480-89266-12	DUPICATE DMP #3	Total/NA	Water	8011	270111
LCS 480-270111/2-A	Lab Control Sample	Total/NA	Water	8011	270111
LCSD 480-270111/3-A	Lab Control Sample Dup	Total/NA	Water	8011	270111
MB 480-270111/1-A	Method Blank	Total/NA	Water	8011	270111

Analysis Batch: 270386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	8011	269623
480-89213-2	MP-211BR	Total/NA	Water	8011	269623
480-89213-3	MP-405A	Total/NA	Water	8011	269623
480-89213-4	MP-404A	Total/NA	Water	8011	269623
480-89213-5	MP-404	Total/NA	Water	8011	269623
480-89213-6	MP-210AR	Total/NA	Water	8011	269623
480-89213-7	FIELD BLANK DMP	Total/NA	Water	8011	269623
480-89213-8	MP-206AR	Total/NA	Water	8011	269623
480-89213-9	MP-277A	Total/NA	Water	8011	269623
480-89213-10	MP-235R	Total/NA	Water	8011	269623
480-89213-11	MP-235BR	Total/NA	Water	8011	269623
480-89213-12	MP-235CR	Total/NA	Water	8011	269623
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	8011	269623
480-89213-14	MP-213A	Total/NA	Water	8011	269623

GC Semi VOA (Continued)

Analysis Batch: 270386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-15	MP-408	Total/NA	Water	8011	269623
480-89213-16	TRIP BLANKS	Total/NA	Water	8011	269623
480-89266-13	MP-238R	Total/NA	Water	8011	270424
480-89266-14	MP-237	Total/NA	Water	8011	270424
480-89266-15	MP-241R	Total/NA	Water	8011	270424
480-89266-16	MP-228AR	Total/NA	Water	8011	270424
480-89266-17	MP-230A	Total/NA	Water	8011	270424
480-89266-18	MP-232A	Total/NA	Water	8011	270424
480-89266-19	MP-281	Total/NA	Water	8011	270424
480-89266-20	MP-281C	Total/NA	Water	8011	270424
480-89266-21	MP-251A	Total/NA	Water	8011	270424
480-89266-22	MP-279	Total/NA	Water	8011	270424
480-89266-23	MP-274	Total/NA	Water	8011	270424
480-89266-24	MP-274A	Total/NA	Water	8011	270424
LCS 480-269623/2-A	Lab Control Sample	Total/NA	Water	8011	269623
LCS 480-270424/2-A	Lab Control Sample	Total/NA	Water	8011	270424
LCSD 480-269623/3-A	Lab Control Sample Dup	Total/NA	Water	8011	269623
LCSD 480-270424/3-A	Lab Control Sample Dup	Total/NA	Water	8011	270424
MB 480-269623/1-A	Method Blank	Total/NA	Water	8011	269623
MB 480-270424/1-A	Method Blank	Total/NA	Water	8011	270424

Prep Batch: 270424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-13	MP-238R	Total/NA	Water	8011	
480-89266-14	MP-237	Total/NA	Water	8011	
480-89266-15	MP-241R	Total/NA	Water	8011	
480-89266-16	MP-228AR	Total/NA	Water	8011	
480-89266-17	MP-230A	Total/NA	Water	8011	
480-89266-18	MP-232A	Total/NA	Water	8011	
480-89266-19	MP-281	Total/NA	Water	8011	
480-89266-20	MP-281C	Total/NA	Water	8011	
480-89266-21	MP-251A	Total/NA	Water	8011	
480-89266-22	MP-279	Total/NA	Water	8011	
480-89266-23	MP-274	Total/NA	Water	8011	
480-89266-24	MP-274A	Total/NA	Water	8011	
LCS 480-270424/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-270424/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 480-270424/1-A	Method Blank	Total/NA	Water	8011	

Prep Batch: 270470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Total/NA	Water	3510C	
480-89266-2	MP-403A	Total/NA	Water	3510C	
480-89266-3	MP-233R	Total/NA	Water	3510C	
480-89266-4	MP-250	Total/NA	Water	3510C	
480-89266-5	MP-250A	Total/NA	Water	3510C	
480-89266-6	MP-233AR	Total/NA	Water	3510C	
480-89266-7	MP-244ARR	Total/NA	Water	3510C	
480-89266-8	MP-244R	Total/NA	Water	3510C	
480-89266-9	MP-407	Total/NA	Water	3510C	
480-89266-10	MP-401A	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 270470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-11	MP-401B	Total/NA	Water	3510C	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	3510C	
480-89266-13	MP-238R	Total/NA	Water	3510C	
480-89266-14	MP-237	Total/NA	Water	3510C	
480-89266-15	MP-241R	Total/NA	Water	3510C	
LCS 480-270470/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-270470/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 270589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Total/NA	Water	8082A	270470
480-89266-2	MP-403A	Total/NA	Water	8082A	270470
480-89266-3	MP-233R	Total/NA	Water	8082A	270470
480-89266-4	MP-250	Total/NA	Water	8082A	270470
480-89266-5	MP-250A	Total/NA	Water	8082A	270470
480-89266-6	MP-233AR	Total/NA	Water	8082A	270470
480-89266-7	MP-244ARR	Total/NA	Water	8082A	270470
480-89266-8	MP-244R	Total/NA	Water	8082A	270470
480-89266-9	MP-407	Total/NA	Water	8082A	270470
480-89266-10	MP-401A	Total/NA	Water	8082A	270470
480-89266-11	MP-401B	Total/NA	Water	8082A	270470
480-89266-12	DUPICATE DMP #3	Total/NA	Water	8082A	270470
480-89266-13	MP-238R	Total/NA	Water	8082A	270470
480-89266-14	MP-237	Total/NA	Water	8082A	270470
480-89266-15	MP-241R	Total/NA	Water	8082A	270470
LCS 480-270470/2-A	Lab Control Sample	Total/NA	Water	8082A	270470
MB 480-270470/1-A	Method Blank	Total/NA	Water	8082A	270470

Prep Batch: 270626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-16	MP-228AR	Total/NA	Water	3510C	
480-89266-17	MP-230A	Total/NA	Water	3510C	
480-89266-18	MP-232A	Total/NA	Water	3510C	
480-89266-19	MP-281	Total/NA	Water	3510C	
480-89266-20	MP-281C	Total/NA	Water	3510C	
480-89266-21	MP-251A	Total/NA	Water	3510C	
480-89266-22	MP-279	Total/NA	Water	3510C	
480-89266-23	MP-274	Total/NA	Water	3510C	
480-89266-24	MP-274A	Total/NA	Water	3510C	
LCS 480-270626/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-270626/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-270626/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 270760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-16	MP-228AR	Total/NA	Water	8082A	270626
480-89266-17	MP-230A	Total/NA	Water	8082A	270626
480-89266-18	MP-232A	Total/NA	Water	8082A	270626
480-89266-19	MP-281	Total/NA	Water	8082A	270626
480-89266-20	MP-281C	Total/NA	Water	8082A	270626
480-89266-21	MP-251A	Total/NA	Water	8082A	270626

GC Semi VOA (Continued)

Analysis Batch: 270760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-22	MP-279	Total/NA	Water	8082A	270626
480-89266-23	MP-274	Total/NA	Water	8082A	270626
480-89266-24	MP-274A	Total/NA	Water	8082A	270626
LCS 480-270626/2-A	Lab Control Sample	Total/NA	Water	8082A	270626
LCSD 480-270626/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	270626
MB 480-270626/1-A	Method Blank	Total/NA	Water	8082A	270626

Metals

Prep Batch: 269222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Dissolved	Water	3020A	
480-89213-2	MP-211BR	Dissolved	Water	3020A	
480-89213-3	MP-405A	Dissolved	Water	3020A	
480-89213-4	MP-404A	Dissolved	Water	3020A	
480-89213-5	MP-404	Dissolved	Water	3020A	
480-89213-6	MP-210AR	Dissolved	Water	3020A	
480-89213-7	FIELD BLANK DMP	Dissolved	Water	3020A	
480-89213-8	MP-206AR	Dissolved	Water	3020A	
480-89213-9	MP-277A	Dissolved	Water	3020A	
480-89213-10	MP-235R	Dissolved	Water	3020A	
480-89213-11	MP-235BR	Dissolved	Water	3020A	
480-89213-12	MP-235CR	Dissolved	Water	3020A	
480-89213-13	DUPLICATE DMP #1	Dissolved	Water	3020A	
480-89213-14	MP-213A	Dissolved	Water	3020A	
480-89213-15	MP-408	Dissolved	Water	3020A	
480-89213-17	MP-406C	Dissolved	Water	3020A	
480-89213-17MS	MP-406C	Dissolved	Water	3020A	
480-89213-17MSD	MP-406C	Dissolved	Water	3020A	
480-89213-18	MP-280	Dissolved	Water	3020A	
480-89213-19	MP-231AR	Dissolved	Water	3020A	
LCS 480-269222/2-A	Lab Control Sample	Total/NA	Water	3020A	
MB 480-269222/1-A	Method Blank	Total/NA	Water	3020A	

Prep Batch: 269224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-20	MP-280A	Dissolved	Water	3020A	
480-89213-21	MP-227R	Dissolved	Water	3020A	
480-89213-22	MP-286C	Dissolved	Water	3020A	
480-89213-23	DUPLICATE DMP #2	Dissolved	Water	3020A	
480-89213-24	MP-234AR	Dissolved	Water	3020A	
480-89213-25	MP-234R	Dissolved	Water	3020A	
480-89213-26	MP-402A	Dissolved	Water	3020A	
LCS 480-269224/2-A	Lab Control Sample	Total/NA	Water	3020A	
MB 480-269224/1-A	Method Blank	Total/NA	Water	3020A	

Prep Batch: 269260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-20	MP-280A	Dissolved	Water	3005A	
480-89213-21	MP-227R	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 269260 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-22	MP-286C	Dissolved	Water	3005A	
480-89213-23	DUPLICATE DMP #2	Dissolved	Water	3005A	
480-89213-24	MP-234AR	Dissolved	Water	3005A	
480-89213-25	MP-234R	Dissolved	Water	3005A	
480-89213-26	MP-402A	Dissolved	Water	3005A	
480-89213-26 MS	MP-402A	Dissolved	Water	3005A	
480-89213-26 MSD	MP-402A	Dissolved	Water	3005A	
LCS 480-269260/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 480-269260/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 269262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Dissolved	Water	3005A	
480-89213-2	MP-211BR	Dissolved	Water	3005A	
480-89213-3	MP-405A	Dissolved	Water	3005A	
480-89213-4	MP-404A	Dissolved	Water	3005A	
480-89213-5	MP-404	Dissolved	Water	3005A	
480-89213-6	MP-210AR	Dissolved	Water	3005A	
480-89213-7	FIELD BLANK DMP	Dissolved	Water	3005A	
480-89213-8	MP-206AR	Dissolved	Water	3005A	
480-89213-9	MP-277A	Dissolved	Water	3005A	
480-89213-10	MP-235R	Dissolved	Water	3005A	
480-89213-11	MP-235BR	Dissolved	Water	3005A	
480-89213-12	MP-235CR	Dissolved	Water	3005A	
480-89213-13	DUPLICATE DMP #1	Dissolved	Water	3005A	
480-89213-14	MP-213A	Dissolved	Water	3005A	
480-89213-15	MP-408	Dissolved	Water	3005A	
480-89213-17	MP-406C	Dissolved	Water	3005A	
480-89213-17MS	MP-406C	Dissolved	Water	3005A	
480-89213-17MSD	MP-406C	Dissolved	Water	3005A	
480-89213-18	MP-280	Dissolved	Water	3005A	
480-89213-19	MP-231AR	Dissolved	Water	3005A	
LCS 480-269262/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 480-269262/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 269413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-19	MP-281	Dissolved	Water	3020A	
480-89266-19 MS	MP-281	Dissolved	Water	3020A	
480-89266-19 MSD	MP-281	Dissolved	Water	3020A	
480-89266-20	MP-281C	Dissolved	Water	3020A	
480-89266-21	MP-251A	Dissolved	Water	3020A	
480-89266-22	MP-279	Dissolved	Water	3020A	
480-89266-23	MP-274	Dissolved	Water	3020A	
480-89266-24	MP-274A	Dissolved	Water	3020A	
LCS 480-269413/2-A	Lab Control Sample	Total/NA	Water	3020A	
MB 480-269413/1-A	Method Blank	Total/NA	Water	3020A	

Prep Batch: 269414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Dissolved	Water	3020A	

Metals (Continued)

Prep Batch: 269414 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1 MS	MP-214BR	Dissolved	Water	3020A	
480-89266-1 MSD	MP-214BR	Dissolved	Water	3020A	
480-89266-2	MP-403A	Dissolved	Water	3020A	
480-89266-3	MP-233R	Dissolved	Water	3020A	
480-89266-4	MP-250	Dissolved	Water	3020A	
480-89266-5	MP-250A	Dissolved	Water	3020A	
480-89266-6	MP-233AR	Dissolved	Water	3020A	
480-89266-7	MP-244ARR	Dissolved	Water	3020A	
480-89266-8	MP-244R	Dissolved	Water	3020A	
480-89266-9	MP-407	Dissolved	Water	3020A	
480-89266-10	MP-401A	Dissolved	Water	3020A	
480-89266-11	MP-401B	Dissolved	Water	3020A	
480-89266-12	DUPICATE DMP #3	Dissolved	Water	3020A	
480-89266-13	MP-238R	Dissolved	Water	3020A	
480-89266-14	MP-237	Dissolved	Water	3020A	
480-89266-15	MP-241R	Dissolved	Water	3020A	
480-89266-16	MP-228AR	Dissolved	Water	3020A	
480-89266-17	MP-230A	Dissolved	Water	3020A	
480-89266-18	MP-232A	Dissolved	Water	3020A	
LCS 480-269414/2-A	Lab Control Sample	Total/NA	Water	3020A	
MB 480-269414/1-A	Method Blank	Total/NA	Water	3020A	

Analysis Batch: 269437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-20	MP-280A	Dissolved	Water	6020A	269224
480-89213-21	MP-227R	Dissolved	Water	6020A	269224
480-89213-22	MP-286C	Dissolved	Water	6020A	269224
480-89213-23	DUPLICATE DMP #2	Dissolved	Water	6020A	269224
480-89213-24	MP-234AR	Dissolved	Water	6020A	269224
480-89213-25	MP-234R	Dissolved	Water	6020A	269224
480-89213-26	MP-402A	Dissolved	Water	6020A	269224
LCS 480-269224/2-A	Lab Control Sample	Total/NA	Water	6020A	269224
MB 480-269224/1-A	Method Blank	Total/NA	Water	6020A	269224

Prep Batch: 269591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Dissolved	Water	3005A	
480-89266-2	MP-403A	Dissolved	Water	3005A	
480-89266-3	MP-233R	Dissolved	Water	3005A	
480-89266-4	MP-250	Dissolved	Water	3005A	
480-89266-5	MP-250A	Dissolved	Water	3005A	
480-89266-6	MP-233AR	Dissolved	Water	3005A	
480-89266-7	MP-244ARR	Dissolved	Water	3005A	
480-89266-8	MP-244R	Dissolved	Water	3005A	
480-89266-9	MP-407	Dissolved	Water	3005A	
480-89266-10	MP-401A	Dissolved	Water	3005A	
480-89266-11	MP-401B	Dissolved	Water	3005A	
480-89266-12	DUPICATE DMP #3	Dissolved	Water	3005A	
480-89266-13	MP-238R	Dissolved	Water	3005A	
480-89266-14	MP-237	Dissolved	Water	3005A	
480-89266-15	MP-241R	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 269591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-16	MP-228AR	Dissolved	Water	3005A	
480-89266-17	MP-230A	Dissolved	Water	3005A	
480-89266-18	MP-232A	Dissolved	Water	3005A	
480-89266-18 MS	MP-232A	Dissolved	Water	3005A	
480-89266-18 MSD	MP-232A	Dissolved	Water	3005A	
LCS 480-269591/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 480-269591/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 269592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-19	MP-281	Dissolved	Water	3005A	
480-89266-20	MP-281C	Dissolved	Water	3005A	
480-89266-21	MP-251A	Dissolved	Water	3005A	
480-89266-22	MP-279	Dissolved	Water	3005A	
480-89266-23	MP-274	Dissolved	Water	3005A	
480-89266-24	MP-274A	Dissolved	Water	3005A	
LCS 480-269592/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 480-269592/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 269659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Dissolved	Water	6020A	269222
480-89213-2	MP-211BR	Dissolved	Water	6020A	269222
480-89213-3	MP-405A	Dissolved	Water	6020A	269222
480-89213-4	MP-404A	Dissolved	Water	6020A	269222
480-89213-5	MP-404	Dissolved	Water	6020A	269222
480-89213-6	MP-210AR	Dissolved	Water	6020A	269222
480-89213-7	FIELD BLANK DMP	Dissolved	Water	6020A	269222
480-89213-8	MP-206AR	Dissolved	Water	6020A	269222
480-89213-9	MP-277A	Dissolved	Water	6020A	269222
480-89213-10	MP-235R	Dissolved	Water	6020A	269222
480-89213-11	MP-235BR	Dissolved	Water	6020A	269222
480-89213-12	MP-235CR	Dissolved	Water	6020A	269222
480-89213-13	DUPLICATE DMP #1	Dissolved	Water	6020A	269222
480-89213-14	MP-213A	Dissolved	Water	6020A	269222
480-89213-15	MP-408	Dissolved	Water	6020A	269222
480-89213-17	MP-406C	Dissolved	Water	6020A	269222
480-89213-17MS	MP-406C	Dissolved	Water	6020A	269222
480-89213-17MSD	MP-406C	Dissolved	Water	6020A	269222
480-89213-18	MP-280	Dissolved	Water	6020A	269222
480-89213-19	MP-231AR	Dissolved	Water	6020A	269222
LCS 480-269222/2-A	Lab Control Sample	Total/NA	Water	6020A	269222
MB 480-269222/1-A	Method Blank	Total/NA	Water	6020A	269222

Analysis Batch: 269902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Dissolved	Water	6010C	269262
480-89213-2	MP-211BR	Dissolved	Water	6010C	269262
480-89213-3	MP-405A	Dissolved	Water	6010C	269262
480-89213-4	MP-404A	Dissolved	Water	6010C	269262
480-89213-5	MP-404	Dissolved	Water	6010C	269262

Metals (Continued)

Analysis Batch: 269902 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-6	MP-210AR	Dissolved	Water	6010C	269262
480-89213-7	FIELD BLANK DMP	Dissolved	Water	6010C	269262
480-89213-8	MP-206AR	Dissolved	Water	6010C	269262
480-89213-9	MP-277A	Dissolved	Water	6010C	269262
480-89213-10	MP-235R	Dissolved	Water	6010C	269262
480-89213-11	MP-235BR	Dissolved	Water	6010C	269262
480-89213-12	MP-235CR	Dissolved	Water	6010C	269262
480-89213-13	DUPLICATE DMP #1	Dissolved	Water	6010C	269262
480-89213-14	MP-213A	Dissolved	Water	6010C	269262
480-89213-15	MP-408	Dissolved	Water	6010C	269262
480-89213-17	MP-406C	Dissolved	Water	6010C	269262
480-89213-17MS	MP-406C	Dissolved	Water	6010C	269262
480-89213-17MSD	MP-406C	Dissolved	Water	6010C	269262
480-89213-18	MP-280	Dissolved	Water	6010C	269262
480-89213-19	MP-231AR	Dissolved	Water	6010C	269262
LCS 480-269262/2-A	Lab Control Sample	Total Recoverable	Water	6010C	269262
MB 480-269262/1-A	Method Blank	Total Recoverable	Water	6010C	269262

Prep Batch: 270041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Dissolved	Water	7470A	
480-89213-2	MP-211BR	Dissolved	Water	7470A	
480-89213-3	MP-405A	Dissolved	Water	7470A	
480-89213-4	MP-404A	Dissolved	Water	7470A	
480-89213-5	MP-404	Dissolved	Water	7470A	
480-89213-6	MP-210AR	Dissolved	Water	7470A	
480-89213-7	FIELD BLANK DMP	Dissolved	Water	7470A	
480-89213-8	MP-206AR	Dissolved	Water	7470A	
480-89213-9	MP-277A	Dissolved	Water	7470A	
480-89213-9 MS	MP-277A	Dissolved	Water	7470A	
480-89213-9 MSD	MP-277A	Dissolved	Water	7470A	
480-89213-10	MP-235R	Dissolved	Water	7470A	
480-89213-11	MP-235BR	Dissolved	Water	7470A	
LCS 480-270041/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-270041/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 270047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-12	MP-235CR	Dissolved	Water	7470A	
480-89213-13	DUPLICATE DMP #1	Dissolved	Water	7470A	
480-89213-14	MP-213A	Dissolved	Water	7470A	
480-89213-15	MP-408	Dissolved	Water	7470A	
480-89213-17	MP-406C	Dissolved	Water	7470A	
480-89213-17MS	MP-406C	Dissolved	Water	7470A	
480-89213-17MSD	MP-406C	Dissolved	Water	7470A	
480-89213-18	MP-280	Dissolved	Water	7470A	
480-89213-19	MP-231AR	Dissolved	Water	7470A	
480-89213-20	MP-280A	Dissolved	Water	7470A	
480-89213-21	MP-227R	Dissolved	Water	7470A	
480-89213-22	MP-286C	Dissolved	Water	7470A	
480-89213-23	DUPLICATE DMP #2	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 270047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-24	MP-234AR	Dissolved	Water	7470A	
480-89213-25	MP-234R	Dissolved	Water	7470A	
480-89213-26	MP-402A	Dissolved	Water	7470A	
LCS 480-270047/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-270047/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 270129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-20	MP-280A	Dissolved	Water	6010C	269260
480-89213-21	MP-227R	Dissolved	Water	6010C	269260
480-89213-22	MP-286C	Dissolved	Water	6010C	269260
480-89213-23	DUPLICATE DMP #2	Dissolved	Water	6010C	269260
480-89213-24	MP-234AR	Dissolved	Water	6010C	269260
480-89213-25	MP-234R	Dissolved	Water	6010C	269260
480-89213-26	MP-402A	Dissolved	Water	6010C	269260
480-89213-26 MS	MP-402A	Dissolved	Water	6010C	269260
480-89213-26 MSD	MP-402A	Dissolved	Water	6010C	269260
LCS 480-269260/2-A	Lab Control Sample	Total Recoverable	Water	6010C	269260
MB 480-269260/1-A	Method Blank	Total Recoverable	Water	6010C	269260

Analysis Batch: 270139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-19	MP-281	Dissolved	Water	6020A	269413
480-89266-19 MS	MP-281	Dissolved	Water	6020A	269413
480-89266-19 MSD	MP-281	Dissolved	Water	6020A	269413
480-89266-20	MP-281C	Dissolved	Water	6020A	269413
480-89266-21	MP-251A	Dissolved	Water	6020A	269413
480-89266-22	MP-279	Dissolved	Water	6020A	269413
480-89266-23	MP-274	Dissolved	Water	6020A	269413
480-89266-24	MP-274A	Dissolved	Water	6020A	269413
LCS 480-269413/2-A	Lab Control Sample	Total/NA	Water	6020A	269413
MB 480-269413/1-A	Method Blank	Total/NA	Water	6020A	269413

Analysis Batch: 270165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Dissolved	Water	6010C	269591
480-89266-2	MP-403A	Dissolved	Water	6010C	269591
480-89266-3	MP-233R	Dissolved	Water	6010C	269591
480-89266-4	MP-250	Dissolved	Water	6010C	269591
480-89266-5	MP-250A	Dissolved	Water	6010C	269591
480-89266-6	MP-233AR	Dissolved	Water	6010C	269591
480-89266-7	MP-244ARR	Dissolved	Water	6010C	269591
480-89266-8	MP-244R	Dissolved	Water	6010C	269591
480-89266-9	MP-407	Dissolved	Water	6010C	269591
480-89266-10	MP-401A	Dissolved	Water	6010C	269591
480-89266-11	MP-401B	Dissolved	Water	6010C	269591
480-89266-12	DUPICATE DMP #3	Dissolved	Water	6010C	269591
480-89266-13	MP-238R	Dissolved	Water	6010C	269591
480-89266-14	MP-237	Dissolved	Water	6010C	269591
480-89266-15	MP-241R	Dissolved	Water	6010C	269591
480-89266-16	MP-228AR	Dissolved	Water	6010C	269591

Metals (Continued)

Analysis Batch: 270165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-17	MP-230A	Dissolved	Water	6010C	269591
480-89266-18	MP-232A	Dissolved	Water	6010C	269591
480-89266-18 MS	MP-232A	Dissolved	Water	6010C	269591
480-89266-18 MSD	MP-232A	Dissolved	Water	6010C	269591
LCS 480-269591/2-A	Lab Control Sample	Total Recoverable	Water	6010C	269591
MB 480-269591/1-A	Method Blank	Total Recoverable	Water	6010C	269591

Analysis Batch: 270171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-19	MP-281	Dissolved	Water	6010C	269592
480-89266-20	MP-281C	Dissolved	Water	6010C	269592
480-89266-21	MP-251A	Dissolved	Water	6010C	269592
480-89266-22	MP-279	Dissolved	Water	6010C	269592
480-89266-23	MP-274	Dissolved	Water	6010C	269592
480-89266-24	MP-274A	Dissolved	Water	6010C	269592
LCS 480-269592/2-A	Lab Control Sample	Total Recoverable	Water	6010C	269592
MB 480-269592/1-A	Method Blank	Total Recoverable	Water	6010C	269592

Prep Batch: 270303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-19	MP-281	Dissolved	Water	7470A	
480-89266-20	MP-281C	Dissolved	Water	7470A	
480-89266-21	MP-251A	Dissolved	Water	7470A	
480-89266-22	MP-279	Dissolved	Water	7470A	
480-89266-23	MP-274	Dissolved	Water	7470A	
480-89266-24	MP-274A	Dissolved	Water	7470A	
LCS 480-270303/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-270303/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 270304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Dissolved	Water	7470A	
480-89266-2	MP-403A	Dissolved	Water	7470A	
480-89266-3	MP-233R	Dissolved	Water	7470A	
480-89266-3 MS	MP-233R	Dissolved	Water	7470A	
480-89266-3 MSD	MP-233R	Dissolved	Water	7470A	
480-89266-4	MP-250	Dissolved	Water	7470A	
480-89266-5	MP-250A	Dissolved	Water	7470A	
480-89266-6	MP-233AR	Dissolved	Water	7470A	
480-89266-7	MP-244ARR	Dissolved	Water	7470A	
480-89266-8	MP-244R	Dissolved	Water	7470A	
480-89266-9	MP-407	Dissolved	Water	7470A	
480-89266-10	MP-401A	Dissolved	Water	7470A	
480-89266-11	MP-401B	Dissolved	Water	7470A	
480-89266-12	DUPICATE DMP #3	Dissolved	Water	7470A	
480-89266-13	MP-238R	Dissolved	Water	7470A	
480-89266-14	MP-237	Dissolved	Water	7470A	
480-89266-15	MP-241R	Dissolved	Water	7470A	
480-89266-16	MP-228AR	Dissolved	Water	7470A	
480-89266-17	MP-230A	Dissolved	Water	7470A	
480-89266-18	MP-232A	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 270304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-270304/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-270304/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 270342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Dissolved	Water	7470A	270041
480-89213-2	MP-211BR	Dissolved	Water	7470A	270041
480-89213-3	MP-405A	Dissolved	Water	7470A	270041
480-89213-4	MP-404A	Dissolved	Water	7470A	270041
480-89213-5	MP-404	Dissolved	Water	7470A	270041
480-89213-6	MP-210AR	Dissolved	Water	7470A	270041
480-89213-7	FIELD BLANK DMP	Dissolved	Water	7470A	270041
480-89213-8	MP-206AR	Dissolved	Water	7470A	270041
480-89213-9	MP-277A	Dissolved	Water	7470A	270041
480-89213-9 MS	MP-277A	Dissolved	Water	7470A	270041
480-89213-9 MSD	MP-277A	Dissolved	Water	7470A	270041
480-89213-10	MP-235R	Dissolved	Water	7470A	270041
480-89213-11	MP-235BR	Dissolved	Water	7470A	270041
480-89213-12	MP-235CR	Dissolved	Water	7470A	270047
480-89213-13	DUPLICATE DMP #1	Dissolved	Water	7470A	270047
480-89213-14	MP-213A	Dissolved	Water	7470A	270047
480-89213-15	MP-408	Dissolved	Water	7470A	270047
480-89213-17	MP-406C	Dissolved	Water	7470A	270047
480-89213-17MS	MP-406C	Dissolved	Water	7470A	270047
480-89213-17MSD	MP-406C	Dissolved	Water	7470A	270047
480-89213-18	MP-280	Dissolved	Water	7470A	270047
480-89213-19	MP-231AR	Dissolved	Water	7470A	270047
480-89213-20	MP-280A	Dissolved	Water	7470A	270047
480-89213-21	MP-227R	Dissolved	Water	7470A	270047
480-89213-22	MP-286C	Dissolved	Water	7470A	270047
480-89213-23	DUPLICATE DMP #2	Dissolved	Water	7470A	270047
480-89213-24	MP-234AR	Dissolved	Water	7470A	270047
480-89213-25	MP-234R	Dissolved	Water	7470A	270047
480-89213-26	MP-402A	Dissolved	Water	7470A	270047
LCS 480-270041/2-A	Lab Control Sample	Total/NA	Water	7470A	270041
LCS 480-270047/2-A	Lab Control Sample	Total/NA	Water	7470A	270047
MB 480-270041/1-A	Method Blank	Total/NA	Water	7470A	270041
MB 480-270047/1-A	Method Blank	Total/NA	Water	7470A	270047

Analysis Batch: 270410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-19	MP-281	Dissolved	Water	6020A	269413
480-89266-19 MS	MP-281	Dissolved	Water	6020A	269413
480-89266-19 MSD	MP-281	Dissolved	Water	6020A	269413
480-89266-20	MP-281C	Dissolved	Water	6020A	269413
480-89266-21	MP-251A	Dissolved	Water	6020A	269413
480-89266-22	MP-279	Dissolved	Water	6020A	269413
480-89266-23	MP-274	Dissolved	Water	6020A	269413
480-89266-24	MP-274A	Dissolved	Water	6020A	269413

Metals (Continued)

Analysis Batch: 270517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Dissolved	Water	7470A	270304
480-89266-2	MP-403A	Dissolved	Water	7470A	270304
480-89266-3	MP-233R	Dissolved	Water	7470A	270304
480-89266-3 MS	MP-233R	Dissolved	Water	7470A	270304
480-89266-3 MSD	MP-233R	Dissolved	Water	7470A	270304
480-89266-4	MP-250	Dissolved	Water	7470A	270304
480-89266-5	MP-250A	Dissolved	Water	7470A	270304
480-89266-6	MP-233AR	Dissolved	Water	7470A	270304
480-89266-7	MP-244ARR	Dissolved	Water	7470A	270304
480-89266-8	MP-244R	Dissolved	Water	7470A	270304
480-89266-9	MP-407	Dissolved	Water	7470A	270304
480-89266-10	MP-401A	Dissolved	Water	7470A	270304
480-89266-11	MP-401B	Dissolved	Water	7470A	270304
480-89266-12	DUPICATE DMP #3	Dissolved	Water	7470A	270304
480-89266-13	MP-238R	Dissolved	Water	7470A	270304
480-89266-15	MP-241R	Dissolved	Water	7470A	270304
480-89266-16	MP-228AR	Dissolved	Water	7470A	270304
480-89266-17	MP-230A	Dissolved	Water	7470A	270304
480-89266-18	MP-232A	Dissolved	Water	7470A	270304
480-89266-19	MP-281	Dissolved	Water	7470A	270303
480-89266-20	MP-281C	Dissolved	Water	7470A	270303
480-89266-21	MP-251A	Dissolved	Water	7470A	270303
480-89266-22	MP-279	Dissolved	Water	7470A	270303
480-89266-23	MP-274	Dissolved	Water	7470A	270303
480-89266-24	MP-274A	Dissolved	Water	7470A	270303
LCS 480-270303/2-A	Lab Control Sample	Total/NA	Water	7470A	270303
LCS 480-270304/2-A	Lab Control Sample	Total/NA	Water	7470A	270304
MB 480-270303/1-A	Method Blank	Total/NA	Water	7470A	270303
MB 480-270304/1-A	Method Blank	Total/NA	Water	7470A	270304

Analysis Batch: 270523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-14	MP-237	Dissolved	Water	7470A	270304

Analysis Batch: 270695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Dissolved	Water	6020A	269414
480-89266-1 MS	MP-214BR	Dissolved	Water	6020A	269414
480-89266-1 MSD	MP-214BR	Dissolved	Water	6020A	269414
480-89266-2	MP-403A	Dissolved	Water	6020A	269414
480-89266-3	MP-233R	Dissolved	Water	6020A	269414
480-89266-4	MP-250	Dissolved	Water	6020A	269414
480-89266-5	MP-250A	Dissolved	Water	6020A	269414
480-89266-6	MP-233AR	Dissolved	Water	6020A	269414
480-89266-7	MP-244ARR	Dissolved	Water	6020A	269414
480-89266-8	MP-244R	Dissolved	Water	6020A	269414
480-89266-9	MP-407	Dissolved	Water	6020A	269414
480-89266-10	MP-401A	Dissolved	Water	6020A	269414
480-89266-11	MP-401B	Dissolved	Water	6020A	269414
480-89266-12	DUPICATE DMP #3	Dissolved	Water	6020A	269414
480-89266-13	MP-238R	Dissolved	Water	6020A	269414

Metals (Continued)

Analysis Batch: 270695 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-14	MP-237	Dissolved	Water	6020A	269414
480-89266-15	MP-241R	Dissolved	Water	6020A	269414
480-89266-16	MP-228AR	Dissolved	Water	6020A	269414
480-89266-17	MP-230A	Dissolved	Water	6020A	269414
480-89266-18	MP-232A	Dissolved	Water	6020A	269414
LCS 480-269414/2-A	Lab Control Sample	Total/NA	Water	6020A	269414
MB 480-269414/1-A	Method Blank	Total/NA	Water	6020A	269414

General Chemistry

Analysis Batch: 269201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	300.0	
480-89213-2	MP-211BR	Total/NA	Water	300.0	
480-89213-3	MP-405A	Total/NA	Water	300.0	
480-89213-4	MP-404A	Total/NA	Water	300.0	
480-89213-5	MP-404	Total/NA	Water	300.0	
480-89213-6	MP-210AR	Total/NA	Water	300.0	
480-89213-7	FIELD BLANK DMP	Total/NA	Water	300.0	
480-89213-8	MP-206AR	Total/NA	Water	300.0	
480-89213-9	MP-277A	Total/NA	Water	300.0	
480-89213-10	MP-235R	Total/NA	Water	300.0	
480-89213-11	MP-235BR	Total/NA	Water	300.0	
480-89213-12	MP-235CR	Total/NA	Water	300.0	
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	300.0	
480-89213-14	MP-213A	Total/NA	Water	300.0	
480-89213-14 MS	MP-213A	Total/NA	Water	300.0	
480-89213-14 MSD	MP-213A	Total/NA	Water	300.0	
480-89213-15	MP-408	Total/NA	Water	300.0	
480-89213-17	MP-406C	Total/NA	Water	300.0	
480-89213-17MS	MP-406C	Total/NA	Water	300.0	
480-89213-17MSD	MP-406C	Total/NA	Water	300.0	
480-89213-18	MP-280	Total/NA	Water	300.0	
480-89213-19	MP-231AR	Total/NA	Water	300.0	
480-89213-20	MP-280A	Total/NA	Water	300.0	
480-89213-21	MP-227R	Total/NA	Water	300.0	
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	300.0	
480-89213-24	MP-234AR	Total/NA	Water	300.0	
480-89213-26	MP-402A	Total/NA	Water	300.0	
LCS 480-269201/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-269201/51	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-269201/75	Lab Control Sample	Total/NA	Water	300.0	
MB 480-269201/28	Method Blank	Total/NA	Water	300.0	
MB 480-269201/52	Method Blank	Total/NA	Water	300.0	
MB 480-269201/76	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 269517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	SM 2320B	
480-89213-2	MP-211BR	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 269517 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-3	MP-405A	Total/NA	Water	SM 2320B	
480-89213-4	MP-404A	Total/NA	Water	SM 2320B	
480-89213-5	MP-404	Total/NA	Water	SM 2320B	
480-89213-6	MP-210AR	Total/NA	Water	SM 2320B	
480-89213-7	FIELD BLANK DMP	Total/NA	Water	SM 2320B	
480-89213-8	MP-206AR	Total/NA	Water	SM 2320B	
480-89213-9	MP-277A	Total/NA	Water	SM 2320B	
480-89213-10	MP-235R	Total/NA	Water	SM 2320B	
480-89213-11	MP-235BR	Total/NA	Water	SM 2320B	
480-89213-12	MP-235CR	Total/NA	Water	SM 2320B	
480-89213-12 DU	MP-235CR	Total/NA	Water	SM 2320B	
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	SM 2320B	
480-89213-13 MS	DUPLICATE DMP #1	Total/NA	Water	SM 2320B	
480-89213-14	MP-213A	Total/NA	Water	SM 2320B	
480-89213-15	MP-408	Total/NA	Water	SM 2320B	
480-89213-17	MP-406C	Total/NA	Water	SM 2320B	
480-89213-17MS	MP-406C	Total/NA	Water	SM 2320B	
480-89213-17MSD	MP-406C	Total/NA	Water	SM 2320B	
480-89213-18	MP-280	Total/NA	Water	SM 2320B	
480-89213-19	MP-231AR	Total/NA	Water	SM 2320B	
480-89213-20	MP-280A	Total/NA	Water	SM 2320B	
LCS 480-269517/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-269517/55	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 480-269517/30	Method Blank	Total/NA	Water	SM 2320B	
MB 480-269517/54	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 269521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Total/NA	Water	300.0	
480-89266-2	MP-403A	Total/NA	Water	300.0	
480-89266-3	MP-233R	Total/NA	Water	300.0	
480-89266-4	MP-250	Total/NA	Water	300.0	
480-89266-5	MP-250A	Total/NA	Water	300.0	
480-89266-6	MP-233AR	Total/NA	Water	300.0	
480-89266-7	MP-244ARR	Total/NA	Water	300.0	
480-89266-8	MP-244R	Total/NA	Water	300.0	
480-89266-9	MP-407	Total/NA	Water	300.0	
480-89266-10	MP-401A	Total/NA	Water	300.0	
480-89266-10 MS	MP-401A	Total/NA	Water	300.0	
480-89266-10 MSD	MP-401A	Total/NA	Water	300.0	
LCS 480-269521/31	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-269521/59	Lab Control Sample	Total/NA	Water	300.0	
MB 480-269521/32	Method Blank	Total/NA	Water	300.0	
MB 480-269521/60	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 269523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-5	MP-404	Total/NA	Water	300.0	
480-89213-8	MP-206AR	Total/NA	Water	300.0	
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	300.0	
480-89213-15	MP-408	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 269523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-18	MP-280	Total/NA	Water	300.0	
480-89213-21	MP-227R	Total/NA	Water	300.0	
480-89213-22	MP-286C	Total/NA	Water	300.0	
480-89213-22 MS	MP-286C	Total/NA	Water	300.0	
480-89213-22 MSD	MP-286C	Total/NA	Water	300.0	
480-89213-25	MP-234R	Total/NA	Water	300.0	
480-89213-26	MP-402A	Total/NA	Water	300.0	
480-89266-11	MP-401B	Total/NA	Water	300.0	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	300.0	
480-89266-13	MP-238R	Total/NA	Water	300.0	
480-89266-14	MP-237	Total/NA	Water	300.0	
480-89266-15	MP-241R	Total/NA	Water	300.0	
480-89266-15 MS	MP-241R	Total/NA	Water	300.0	
480-89266-15 MSD	MP-241R	Total/NA	Water	300.0	
480-89266-16	MP-228AR	Total/NA	Water	300.0	
480-89266-17	MP-230A	Total/NA	Water	300.0	
480-89266-18	MP-232A	Total/NA	Water	300.0	
480-89266-19	MP-281	Total/NA	Water	300.0	
480-89266-20	MP-281C	Total/NA	Water	300.0	
480-89266-21	MP-251A	Total/NA	Water	300.0	
480-89266-22	MP-279	Total/NA	Water	300.0	
480-89266-23	MP-274	Total/NA	Water	300.0	
480-89266-24	MP-274A	Total/NA	Water	300.0	
480-89266-24 MS	MP-274A	Total/NA	Water	300.0	
LCS 480-269523/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-269523/3	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-269523/51	Lab Control Sample	Total/NA	Water	300.0	
MB 480-269523/28	Method Blank	Total/NA	Water	300.0	
MB 480-269523/4	Method Blank	Total/NA	Water	300.0	
MB 480-269523/52	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 269721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-21	MP-227R	Total/NA	Water	SM 2320B	
480-89213-22	MP-286C	Total/NA	Water	SM 2320B	
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	SM 2320B	
480-89213-24	MP-234AR	Total/NA	Water	SM 2320B	
480-89213-25	MP-234R	Total/NA	Water	SM 2320B	
480-89213-26	MP-402A	Total/NA	Water	SM 2320B	
480-89213-26 MS	MP-402A	Total/NA	Water	SM 2320B	
LCS 480-269721/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-269721/8	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 480-269721/30	Method Blank	Total/NA	Water	SM 2320B	
MB 480-269721/7	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 269730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-1	MP-214BR	Total/NA	Water	SM 2320B	
480-89266-2	MP-403A	Total/NA	Water	SM 2320B	
480-89266-3	MP-233R	Total/NA	Water	SM 2320B	
480-89266-4	MP-250	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 269730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-5	MP-250A	Total/NA	Water	SM 2320B	
480-89266-6	MP-233AR	Total/NA	Water	SM 2320B	
480-89266-7	MP-244ARR	Total/NA	Water	SM 2320B	
480-89266-8	MP-244R	Total/NA	Water	SM 2320B	
480-89266-8 DU	MP-244R	Total/NA	Water	SM 2320B	
480-89266-9	MP-407	Total/NA	Water	SM 2320B	
480-89266-9 MS	MP-407	Total/NA	Water	SM 2320B	
480-89266-10	MP-401A	Total/NA	Water	SM 2320B	
480-89266-11	MP-401B	Total/NA	Water	SM 2320B	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	SM 2320B	
480-89266-13	MP-238R	Total/NA	Water	SM 2320B	
480-89266-14	MP-237	Total/NA	Water	SM 2320B	
480-89266-15	MP-241R	Total/NA	Water	SM 2320B	
480-89266-16	MP-228AR	Total/NA	Water	SM 2320B	
480-89266-16 DU	MP-228AR	Total/NA	Water	SM 2320B	
480-89266-17	MP-230A	Total/NA	Water	SM 2320B	
480-89266-17 MS	MP-230A	Total/NA	Water	SM 2320B	
480-89266-18	MP-232A	Total/NA	Water	SM 2320B	
480-89266-19	MP-281	Total/NA	Water	SM 2320B	
480-89266-20	MP-281C	Total/NA	Water	SM 2320B	
480-89266-21	MP-251A	Total/NA	Water	SM 2320B	
LCS 480-269730/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-269730/8	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 480-269730/30	Method Blank	Total/NA	Water	SM 2320B	
MB 480-269730/7	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 270091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-19	MP-231AR	Total/NA	Water	300.0	
480-89266-1	MP-214BR	Total/NA	Water	300.0	
480-89266-2	MP-403A	Total/NA	Water	300.0	
480-89266-3	MP-233R	Total/NA	Water	300.0	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	300.0	
480-89266-22	MP-279	Total/NA	Water	300.0	
LCS 480-270091/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-270091/3	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-270091/51	Lab Control Sample	Total/NA	Water	300.0	
MB 480-270091/28	Method Blank	Total/NA	Water	300.0	
MB 480-270091/4	Method Blank	Total/NA	Water	300.0	
MB 480-270091/52	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 270275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-22	MP-279	Total/NA	Water	SM 2320B	
480-89266-23	MP-274	Total/NA	Water	SM 2320B	
480-89266-24	MP-274A	Total/NA	Water	SM 2320B	
LCS 480-270275/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-270275/8	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 480-270275/30	Method Blank	Total/NA	Water	SM 2320B	
MB 480-270275/7	Method Blank	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 270770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	9060A	
480-89213-2	MP-211BR	Total/NA	Water	9060A	
480-89213-3	MP-405A	Total/NA	Water	9060A	
480-89213-4	MP-404A	Total/NA	Water	9060A	
LCS 480-270770/4	Lab Control Sample	Total/NA	Water	9060A	
MB 480-270770/3	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 270968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-5	MP-404	Total/NA	Water	9060A	
480-89213-6	MP-210AR	Total/NA	Water	9060A	
480-89213-7	FIELD BLANK DMP	Total/NA	Water	9060A	
480-89213-7 DU	FIELD BLANK DMP	Total/NA	Water	9060A	
480-89213-8	MP-206AR	Total/NA	Water	9060A	
480-89213-8 MS	MP-206AR	Total/NA	Water	9060A	
480-89213-9	MP-277A	Total/NA	Water	9060A	
480-89213-10	MP-235R	Total/NA	Water	9060A	
480-89213-11	MP-235BR	Total/NA	Water	9060A	
480-89213-12	MP-235CR	Total/NA	Water	9060A	
LCS 480-270968/28	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-270968/4	Lab Control Sample	Total/NA	Water	9060A	
MB 480-270968/27	Method Blank	Total/NA	Water	9060A	
MB 480-270968/3	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 271114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89266-7	MP-244ARR	Total/NA	Water	9060A	
480-89266-7 DU	MP-244ARR	Total/NA	Water	9060A	
480-89266-8	MP-244R	Total/NA	Water	9060A	
480-89266-8 MS	MP-244R	Total/NA	Water	9060A	
480-89266-9	MP-407	Total/NA	Water	9060A	
480-89266-10	MP-401A	Total/NA	Water	9060A	
480-89266-11	MP-401B	Total/NA	Water	9060A	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	9060A	
480-89266-13	MP-238R	Total/NA	Water	9060A	
480-89266-13 DU	MP-238R	Total/NA	Water	9060A	
480-89266-14	MP-237	Total/NA	Water	9060A	
480-89266-14 MS	MP-237	Total/NA	Water	9060A	
480-89266-15	MP-241R	Total/NA	Water	9060A	
480-89266-16	MP-228AR	Total/NA	Water	9060A	
480-89266-17	MP-230A	Total/NA	Water	9060A	
480-89266-18	MP-232A	Total/NA	Water	9060A	
480-89266-19	MP-281	Total/NA	Water	9060A	
480-89266-20	MP-281C	Total/NA	Water	9060A	
480-89266-21	MP-251A	Total/NA	Water	9060A	
480-89266-21 DU	MP-251A	Total/NA	Water	9060A	
480-89266-22	MP-279	Total/NA	Water	9060A	
480-89266-22 MS	MP-279	Total/NA	Water	9060A	
480-89266-23	MP-274	Total/NA	Water	9060A	
480-89266-24	MP-274A	Total/NA	Water	9060A	
LCS 480-271114/28	Lab Control Sample	Total/NA	Water	9060A	

General Chemistry (Continued)

Analysis Batch: 271114 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-271114/4	Lab Control Sample	Total/NA	Water	9060A	
MB 480-271114/27	Method Blank	Total/NA	Water	9060A	
MB 480-271114/3	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 271198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	9060A	
480-89213-14	MP-213A	Total/NA	Water	9060A	
480-89213-15	MP-408	Total/NA	Water	9060A	
480-89213-17	MP-406C	Total/NA	Water	9060A	
480-89213-17MS	MP-406C	Total/NA	Water	9060A	
480-89213-17MSD	MP-406C	Total/NA	Water	9060A	
480-89213-18	MP-280	Total/NA	Water	9060A	
480-89213-20	MP-280A	Total/NA	Water	9060A	
480-89213-20 MS	MP-280A	Total/NA	Water	9060A	
480-89213-21	MP-227R	Total/NA	Water	9060A	
480-89213-22	MP-286C	Total/NA	Water	9060A	
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	9060A	
480-89213-24	MP-234AR	Total/NA	Water	9060A	
480-89213-25	MP-234R	Total/NA	Water	9060A	
480-89213-26	MP-402A	Total/NA	Water	9060A	
480-89266-1	MP-214BR	Total/NA	Water	9060A	
480-89266-2	MP-403A	Total/NA	Water	9060A	
480-89266-2 DU	MP-403A	Total/NA	Water	9060A	
480-89266-3	MP-233R	Total/NA	Water	9060A	
480-89266-4	MP-250	Total/NA	Water	9060A	
480-89266-4 MS	MP-250	Total/NA	Water	9060A	
480-89266-5	MP-250A	Total/NA	Water	9060A	
480-89266-6	MP-233AR	Total/NA	Water	9060A	
LCS 480-271198/28	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-271198/4	Lab Control Sample	Total/NA	Water	9060A	
MB 480-271198/27	Method Blank	Total/NA	Water	9060A	
MB 480-271198/3	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 271840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-19	MP-231AR	Total/NA	Water	9060A	
LCS 480-271840/5	Lab Control Sample	Total/NA	Water	9060A	
MB 480-271840/4	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 272130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-14	MP-213A	Total/NA	Water	300.0	
LCS 480-272130/75	Lab Control Sample	Total/NA	Water	300.0	
MB 480-272130/76	Method Blank	Total/NA	Water	300.0	

QC Association Summary

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

TestAmerica Job ID: 480-89213-1

Field Service / Mobile Lab

Analysis Batch: 270663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89213-1	MP-409	Total/NA	Water	Field Sampling	
480-89213-2	MP-211BR	Total/NA	Water	Field Sampling	
480-89213-3	MP-405A	Total/NA	Water	Field Sampling	
480-89213-4	MP-404A	Total/NA	Water	Field Sampling	
480-89213-5	MP-404	Total/NA	Water	Field Sampling	
480-89213-6	MP-210AR	Total/NA	Water	Field Sampling	
480-89213-7	FIELD BLANK DMP	Total/NA	Water	Field Sampling	
480-89213-8	MP-206AR	Total/NA	Water	Field Sampling	
480-89213-9	MP-277A	Total/NA	Water	Field Sampling	
480-89213-10	MP-235R	Total/NA	Water	Field Sampling	
480-89213-11	MP-235BR	Total/NA	Water	Field Sampling	
480-89213-12	MP-235CR	Total/NA	Water	Field Sampling	
480-89213-13	DUPLICATE DMP #1	Total/NA	Water	Field Sampling	
480-89213-14	MP-213A	Total/NA	Water	Field Sampling	
480-89213-15	MP-408	Total/NA	Water	Field Sampling	
480-89213-17	MP-406C	Total/NA	Water	Field Sampling	
480-89213-17MS	MP-406C	Total/NA	Water	Field Sampling	
480-89213-17MSD	MP-406C	Total/NA	Water	Field Sampling	
480-89213-18	MP-280	Total/NA	Water	Field Sampling	
480-89213-19	MP-231AR	Total/NA	Water	Field Sampling	
480-89213-20	MP-280A	Total/NA	Water	Field Sampling	
480-89213-21	MP-227R	Total/NA	Water	Field Sampling	
480-89213-22	MP-286C	Total/NA	Water	Field Sampling	
480-89213-23	DUPLICATE DMP #2	Total/NA	Water	Field Sampling	
480-89213-24	MP-234AR	Total/NA	Water	Field Sampling	
480-89213-25	MP-234R	Total/NA	Water	Field Sampling	
480-89213-26	MP-402A	Total/NA	Water	Field Sampling	
480-89266-1	MP-214BR	Total/NA	Water	Field Sampling	
480-89266-2	MP-403A	Total/NA	Water	Field Sampling	
480-89266-3	MP-233R	Total/NA	Water	Field Sampling	
480-89266-4	MP-250	Total/NA	Water	Field Sampling	
480-89266-5	MP-250A	Total/NA	Water	Field Sampling	
480-89266-6	MP-233AR	Total/NA	Water	Field Sampling	
480-89266-7	MP-244ARR	Total/NA	Water	Field Sampling	
480-89266-8	MP-244R	Total/NA	Water	Field Sampling	
480-89266-9	MP-407	Total/NA	Water	Field Sampling	
480-89266-10	MP-401A	Total/NA	Water	Field Sampling	
480-89266-11	MP-401B	Total/NA	Water	Field Sampling	
480-89266-12	DUPICATE DMP #3	Total/NA	Water	Field Sampling	
480-89266-13	MP-238R	Total/NA	Water	Field Sampling	
480-89266-14	MP-237	Total/NA	Water	Field Sampling	
480-89266-15	MP-241R	Total/NA	Water	Field Sampling	
480-89266-16	MP-228AR	Total/NA	Water	Field Sampling	
480-89266-17	MP-230A	Total/NA	Water	Field Sampling	
480-89266-18	MP-232A	Total/NA	Water	Field Sampling	
480-89266-19	MP-281	Total/NA	Water	Field Sampling	
480-89266-20	MP-281C	Total/NA	Water	Field Sampling	
480-89266-21	MP-251A	Total/NA	Water	Field Sampling	
480-89266-22	MP-279	Total/NA	Water	Field Sampling	
480-89266-23	MP-274	Total/NA	Water	Field Sampling	
480-89266-24	MP-274A	Total/NA	Water	Field Sampling	

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-409

Lab Sample ID: 480-89213-1
Date Collected: 10/12/15 18:15
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 03:43	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 12:25	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 11:56	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:14	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 22:46	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 16:53	TAS	TAL BUF
Total/NA	Analysis	300.0		1	269201	10/16/15 18:30	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270770	10/22/15 20:20	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 22:01	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/12/15 18:15	FLD	TAL BUF

Client Sample ID: MP-211BR

Lab Sample ID: 480-89213-2
Date Collected: 10/13/15 10:45
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 04:10	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 12:53	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 12:12	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:17	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 22:52	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 16:58	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269201	10/16/15 18:39	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270770	10/22/15 20:47	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 22:09	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 10:45	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-405A

Lab Sample ID: 480-89213-3
Date Collected: 10/13/15 09:55
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 04:37	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 13:20	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 12:28	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:21	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 22:58	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:00	TAS	TAL BUF
Total/NA	Analysis	300.0		20	269201	10/16/15 18:47	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270770	10/22/15 21:15	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 22:17	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 09:55	FLD	TAL BUF

Client Sample ID: MP-404A

Lab Sample ID: 480-89213-4
Date Collected: 10/13/15 08:00
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 05:04	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 13:48	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 12:44	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:24	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 23:22	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:02	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269201	10/16/15 18:55	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270770	10/22/15 21:43	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 22:25	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 08:00	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-404

Lab Sample ID: 480-89213-5
Date Collected: 10/13/15 08:30
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 05:32	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 14:15	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 13:00	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:37	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 23:28	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:03	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269201	10/16/15 19:03	CAS	TAL BUF
Total/NA	Analysis	300.0		1	269523	10/19/15 17:22	OAA	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 01:21	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 22:32	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 08:30	FLD	TAL BUF

Client Sample ID: MP-210AR

Lab Sample ID: 480-89213-6
Date Collected: 10/13/15 09:00
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 05:59	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 14:42	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 13:16	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:40	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 23:34	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:05	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269201	10/16/15 19:11	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 01:51	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 22:51	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 09:00	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: FIELD BLANK DMP

Lab Sample ID: 480-89213-7
Date Collected: 10/12/15 14:25
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 06:26	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 15:10	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 14:03	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:44	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 23:40	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/22/15 08:26	TAS	TAL BUF
Total/NA	Analysis	300.0		1	269201	10/16/15 19:19	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 04:10	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 22:56	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/12/15 14:25	FLD	TAL BUF

Client Sample ID: MP-206AR

Lab Sample ID: 480-89213-8
Date Collected: 10/12/15 16:36
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 06:54	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 16:04	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 14:19	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:47	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 23:47	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:09	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269201	10/16/15 18:22	CAS	TAL BUF
Total/NA	Analysis	300.0		20	269523	10/19/15 15:44	OAA	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 05:06	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 23:02	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/12/15 16:36	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-277A

Lab Sample ID: 480-89213-9
Date Collected: 10/12/15 17:26
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 07:21	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 16:32	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 14:35	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:50	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 23:53	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:11	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269201	10/16/15 20:16	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 06:02	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 23:09	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/12/15 17:26	FLD	TAL BUF

Client Sample ID: MP-235R

Lab Sample ID: 480-89213-10
Date Collected: 10/13/15 16:16
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 07:49	NQN	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 16:59	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 14:51	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:54	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/17/15 23:59	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:22	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269201	10/16/15 20:24	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 06:29	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 23:17	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 16:16	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-235BR

Lab Sample ID: 480-89213-11
Date Collected: 10/13/15 17:00
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 14:28	CDC	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 17:27	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 15:07	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 13:57	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 00:05	MTM2	TAL BUF
Dissolved	Prep	7470A			270041	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:24	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269201	10/16/15 20:32	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 06:57	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 23:24	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 17:00	FLD	TAL BUF

Client Sample ID: MP-235CR

Lab Sample ID: 480-89213-12
Date Collected: 10/13/15 17:42
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 14:55	CDC	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 17:54	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 15:23	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 14:00	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 00:11	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:29	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269201	10/16/15 20:41	CAS	TAL BUF
Total/NA	Analysis	9060A		1	270968	10/24/15 07:25	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 23:32	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 17:42	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPLICATE DMP #1

Lab Sample ID: 480-89213-13
Date Collected: 10/13/15 15:00
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 15:22	CDC	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 18:21	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 15:39	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 14:04	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 00:17	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:31	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269201	10/16/15 20:49	CAS	TAL BUF
Total/NA	Analysis	300.0		20	269523	10/19/15 15:52	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/25/15 22:26	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/16/15 23:48	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 15:00	FLD	TAL BUF

Client Sample ID: MP-213A

Lab Sample ID: 480-89213-14
Date Collected: 10/13/15 15:00
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 15:49	CDC	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 18:48	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 15:55	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 14:17	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 00:42	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:32	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269201	10/16/15 20:57	CAS	TAL BUF
Total/NA	Analysis	300.0		20	272130	10/31/15 00:01	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/25/15 20:02	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/17/15 00:28	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 15:00	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-408

Lab Sample ID: 480-89213-15
Date Collected: 10/13/15 17:55
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 16:16	CDC	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 19:15	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 16:10	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 14:20	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 00:48	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:34	TAS	TAL BUF
Total/NA	Analysis	300.0		20	269201	10/16/15 21:38	CAS	TAL BUF
Total/NA	Analysis	300.0		2	269523	10/19/15 19:40	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/25/15 20:32	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/17/15 00:36	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 17:55	FLD	TAL BUF

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-89213-16
Date Collected: 10/13/15 00:00
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 16:44	CDC	TAL BUF
Total/NA	Prep	8011			269623	10/19/15 12:53	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 19:42	MRB	TAL BUF

Client Sample ID: MP-406C

Lab Sample ID: 480-89213-17
Date Collected: 10/13/15 16:00
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269104	10/16/15 08:16	NQN	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	269948	10/20/15 19:47	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 16:26	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 14:24	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 00:54	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:36	TAS	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-406C
Date Collected: 10/13/15 16:00
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	269201	10/17/15 00:12	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/25/15 21:00	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/17/15 00:43	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 16:00	FLD	TAL BUF

Client Sample ID: MP-280
Date Collected: 10/13/15 13:30
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	269184	10/16/15 17:11	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	269948	10/20/15 20:14	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 17:14	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 14:40	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 01:24	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:46	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269201	10/16/15 21:46	CAS	TAL BUF
Total/NA	Analysis	300.0		1	269523	10/19/15 19:48	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/25/15 22:55	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/17/15 01:05	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 13:30	FLD	TAL BUF

Client Sample ID: MP-231AR
Date Collected: 10/13/15 11:55
Date Received: 10/15/15 07:15

Lab Sample ID: 480-89213-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 17:38	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	269948	10/20/15 20:41	MRB	TAL BUF
Total/NA	Prep	3510C			269387	10/17/15 08:38	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 17:30	KS	TAL BUF
Dissolved	Prep	3005A			269262	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	269902	10/20/15 14:43	AMH	TAL BUF
Dissolved	Prep	3020A			269222	10/16/15 15:30	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	269659	10/18/15 01:30	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-231AR

Lab Sample ID: 480-89213-19
Date Collected: 10/13/15 11:55
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	7470A		1	270342	10/21/15 17:48	TAS	TAL BUF
Total/NA	Analysis	300.0		1	269201	10/16/15 21:54	CAS	TAL BUF
Total/NA	Analysis	300.0		20	270091	10/21/15 17:07	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271840	10/27/15 21:19	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/17/15 01:13	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 11:55	FLD	TAL BUF

Client Sample ID: MP-280A

Lab Sample ID: 480-89213-20
Date Collected: 10/13/15 14:10
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 18:06	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	269948	10/20/15 21:08	MRB	TAL BUF
Total/NA	Prep	3510C			269397	10/17/15 08:53	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 19:05	KS	TAL BUF
Dissolved	Prep	3005A			269260	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	270129	10/20/15 12:18	AMH	TAL BUF
Dissolved	Prep	3020A			269224	10/16/15 15:05	CMM	TAL BUF
Dissolved	Analysis	6020A		1	269437	10/17/15 07:25	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:50	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269201	10/16/15 22:02	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 01:15	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269517	10/17/15 01:20	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 14:10	FLD	TAL BUF

Client Sample ID: MP-227R

Lab Sample ID: 480-89213-21
Date Collected: 10/13/15 15:49
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 18:33	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	269948	10/20/15 21:35	MRB	TAL BUF
Total/NA	Prep	3510C			269397	10/17/15 08:53	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 19:21	KS	TAL BUF
Dissolved	Prep	3005A			269260	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	270129	10/20/15 12:21	AMH	TAL BUF
Dissolved	Prep	3020A			269224	10/16/15 15:05	CMM	TAL BUF
Dissolved	Analysis	6020A		1	269437	10/17/15 07:31	MTM2	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-227R — Lab Sample ID: 480-89213-21

Date Collected: 10/13/15 15:49 — **Matrix: Water**
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:52	TAS	TAL BUF
Total/NA	Analysis	300.0		1	269201	10/16/15 22:10	CAS	TAL BUF
Total/NA	Analysis	300.0		2	269523	10/19/15 16:08	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 02:13	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269721	10/19/15 04:55	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 15:49	FLD	TAL BUF

Client Sample ID: MP-286C — Lab Sample ID: 480-89213-22

Date Collected: 10/13/15 18:09 — **Matrix: Water**
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 19:00	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	269948	10/20/15 22:03	MRB	TAL BUF
Total/NA	Prep	3510C			269397	10/17/15 08:53	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 19:37	KS	TAL BUF
Dissolved	Prep	3005A			269260	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	270129	10/20/15 12:25	AMH	TAL BUF
Dissolved	Prep	3020A			269224	10/16/15 15:05	CMM	TAL BUF
Dissolved	Analysis	6020A		1	269437	10/17/15 07:36	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:54	TAS	TAL BUF
Total/NA	Analysis	300.0		2	269523	10/19/15 20:13	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 02:41	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269721	10/19/15 04:48	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 18:09	FLD	TAL BUF

Client Sample ID: DUPLICATE DMP #2 — Lab Sample ID: 480-89213-23

Date Collected: 10/13/15 18:09 — **Matrix: Water**
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 19:28	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 15:20	MRB	TAL BUF
Total/NA	Prep	3510C			269397	10/17/15 08:53	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 19:53	KS	TAL BUF
Dissolved	Prep	3005A			269260	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	270129	10/20/15 12:28	AMH	TAL BUF
Dissolved	Prep	3020A			269224	10/16/15 15:05	CMM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: DUPLICATE DMP #2

Lab Sample ID: 480-89213-23
Date Collected: 10/13/15 18:09
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6020A		1	269437	10/17/15 07:42	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:55	TAS	TAL BUF
Total/NA	Analysis	300.0		2	269201	10/16/15 22:26	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 03:09	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269721	10/19/15 04:41	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 18:09	FLD	TAL BUF

Client Sample ID: MP-234AR

Lab Sample ID: 480-89213-24
Date Collected: 10/14/15 08:16
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 19:55	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 15:47	MRB	TAL BUF
Total/NA	Prep	3510C			269397	10/17/15 08:53	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 20:09	KS	TAL BUF
Dissolved	Prep	3005A			269260	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	270129	10/20/15 12:31	AMH	TAL BUF
Dissolved	Prep	3020A			269224	10/16/15 15:05	CMM	TAL BUF
Dissolved	Analysis	6020A		1	269437	10/17/15 07:48	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 17:57	TAS	TAL BUF
Total/NA	Analysis	300.0		20	269201	10/16/15 22:34	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 03:37	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269721	10/19/15 04:34	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 08:16	FLD	TAL BUF

Client Sample ID: MP-234R

Lab Sample ID: 480-89213-25
Date Collected: 10/14/15 08:55
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 20:23	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 16:14	MRB	TAL BUF
Total/NA	Prep	3510C			269397	10/17/15 08:53	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 20:25	KS	TAL BUF
Dissolved	Prep	3005A			269260	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	270129	10/20/15 12:35	AMH	TAL BUF
Dissolved	Prep	3020A			269224	10/16/15 15:05	CMM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-234R

Lab Sample ID: 480-89213-25
Date Collected: 10/14/15 08:55
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6020A		1	269437	10/17/15 07:53	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 18:02	TAS	TAL BUF
Total/NA	Analysis	300.0		20	269523	10/19/15 15:36	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 04:05	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269721	10/19/15 04:26	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 08:55	FLD	TAL BUF

Client Sample ID: MP-402A

Lab Sample ID: 480-89213-26
Date Collected: 10/14/15 09:48
Matrix: Water
Date Received: 10/15/15 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269184	10/16/15 20:50	CDC	TAL BUF
Total/NA	Prep	8011			269832	10/20/15 11:22	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 16:42	MRB	TAL BUF
Total/NA	Prep	3510C			269397	10/17/15 08:53	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	269590	10/19/15 20:40	KS	TAL BUF
Dissolved	Prep	3005A			269260	10/19/15 07:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	270129	10/20/15 12:38	AMH	TAL BUF
Dissolved	Prep	3020A			269224	10/16/15 15:05	CMM	TAL BUF
Dissolved	Analysis	6020A		1	269437	10/17/15 07:59	MTM2	TAL BUF
Dissolved	Prep	7470A			270047	10/21/15 11:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270342	10/21/15 18:04	TAS	TAL BUF
Total/NA	Analysis	300.0		50	269201	10/16/15 23:31	CAS	TAL BUF
Total/NA	Analysis	300.0		2	269523	10/19/15 20:04	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 04:33	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269721	10/19/15 04:11	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 09:48	FLD	TAL BUF

Client Sample ID: MP-214BR

Lab Sample ID: 480-89266-1
Date Collected: 10/14/15 12:45
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 12:36	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 20:20	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 09:12	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 12:40	AMH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-214BR

Lab Sample ID: 480-89266-1
Date Collected: 10/14/15 12:45
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 08:40	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:35	TAS	TAL BUF
Total/NA	Analysis	300.0		50	269521	10/20/15 00:46	OAA	TAL BUF
Total/NA	Analysis	300.0		5	270091	10/21/15 16:42	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 06:53	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 03:14	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 12:45	FLD	TAL BUF

Client Sample ID: MP-403A

Lab Sample ID: 480-89266-2
Date Collected: 10/14/15 13:10
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 12:58	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 20:47	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 09:28	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 12:43	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 09:26	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:37	TAS	TAL BUF
Total/NA	Analysis	300.0		20	269521	10/20/15 01:01	OAA	TAL BUF
Total/NA	Analysis	300.0		5	270091	10/21/15 16:51	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 07:21	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 03:22	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 13:10	FLD	TAL BUF

Client Sample ID: MP-233R

Lab Sample ID: 480-89266-3
Date Collected: 10/14/15 14:02
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 13:21	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 21:14	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 09:44	KS	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-233R
Date Collected: 10/14/15 14:02
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 12:46	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 09:32	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:43	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269521	10/20/15 01:15	OAA	TAL BUF
Total/NA	Analysis	300.0		1	270091	10/21/15 16:59	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 08:18	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 03:28	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 14:02	FLD	TAL BUF

Client Sample ID: MP-250
Date Collected: 10/14/15 11:09
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 13:44	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 21:41	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 10:00	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 12:50	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 09:37	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:51	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269521	10/20/15 01:30	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 08:47	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 03:36	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 11:09	FLD	TAL BUF

Client Sample ID: MP-250A
Date Collected: 10/14/15 11:44
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 14:07	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 22:08	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-250A — Lab Sample ID: 480-89266-5

Date Collected: 10/14/15 11:44 — **Matrix: Water**
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	270589	10/23/15 10:16	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 12:53	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 09:43	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:52	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269521	10/20/15 01:45	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 09:43	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 03:43	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 11:44	FLD	TAL BUF

Client Sample ID: MP-233AR — Lab Sample ID: 480-89266-6

Date Collected: 10/14/15 14:10 — **Matrix: Water**
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 14:30	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 22:35	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 11:03	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 12:56	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 09:48	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:54	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269521	10/20/15 01:59	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271198	10/26/15 10:12	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 03:50	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 14:10	FLD	TAL BUF

Client Sample ID: MP-244ARR — Lab Sample ID: 480-89266-7

Date Collected: 10/14/15 12:52 — **Matrix: Water**
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 14:53	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 23:03	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-244ARR — Lab Sample ID: 480-89266-7

Date Collected: 10/14/15 12:52
Date Received: 10/16/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	270589	10/23/15 11:19	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:00	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 09:54	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:56	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269521	10/20/15 03:41	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/25/15 21:01	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 03:58	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 12:52	FLD	TAL BUF

Client Sample ID: MP-244R — Lab Sample ID: 480-89266-8

Date Collected: 10/14/15 12:40
Date Received: 10/16/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 15:16	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/21/15 23:57	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 11:35	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:13	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 09:59	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:58	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269521	10/20/15 03:56	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/25/15 21:56	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 04:16	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 12:40	FLD	TAL BUF

Client Sample ID: MP-407 — Lab Sample ID: 480-89266-9

Date Collected: 10/14/15 13:35
Date Received: 10/16/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 15:39	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/22/15 00:25	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-407

Lab Sample ID: 480-89266-9
Date Collected: 10/14/15 13:35
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	270589	10/23/15 11:51	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:16	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 10:05	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:59	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269521	10/20/15 04:11	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/25/15 22:52	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 04:30	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 13:35	FLD	TAL BUF

Client Sample ID: MP-401A

Lab Sample ID: 480-89266-10
Date Collected: 10/14/15 12:54
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 16:01	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/22/15 00:52	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 12:07	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:19	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 10:34	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:05	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269521	10/20/15 04:25	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/25/15 23:20	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 04:44	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 12:54	FLD	TAL BUF

Client Sample ID: MP-401B

Lab Sample ID: 480-89266-11
Date Collected: 10/14/15 13:32
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 16:23	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/22/15 01:19	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-401B — Lab Sample ID: 480-89266-11

Date Collected: 10/14/15 13:32 — **Matrix: Water**
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	270589	10/23/15 12:23	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:23	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 10:39	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:06	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269523	10/19/15 22:55	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/25/15 23:48	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 04:51	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 13:32	FLD	TAL BUF

Client Sample ID: DUPICATE DMP #3 — Lab Sample ID: 480-89266-12

Date Collected: 10/14/15 12:54 — **Matrix: Water**
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 16:46	SWO	TAL BUF
Total/NA	Prep	8011			270111	10/21/15 12:46	MRB	TAL BUF
Total/NA	Analysis	8011		1	270156	10/22/15 01:46	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 12:38	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:26	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 10:45	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:08	TAS	TAL BUF
Total/NA	Analysis	300.0		2	269523	10/19/15 23:03	OAA	TAL BUF
Total/NA	Analysis	300.0		5	270091	10/21/15 18:04	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 00:16	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 04:59	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 12:54	FLD	TAL BUF

Client Sample ID: MP-238R — Lab Sample ID: 480-89266-13

Date Collected: 10/13/15 14:23 — **Matrix: Water**
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 17:08	SWO	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 21:57	MRB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-238R
Date Collected: 10/13/15 14:23
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 12:54	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:29	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 10:51	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:10	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/19/15 23:11	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 01:40	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 05:05	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 14:23	FLD	TAL BUF

Client Sample ID: MP-237
Date Collected: 10/13/15 15:27
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 17:31	SWO	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 22:24	MRB	TAL BUF
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 13:10	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:33	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 10:56	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270523	10/22/15 17:09	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269523	10/19/15 23:20	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 02:35	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 05:12	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/13/15 15:27	FLD	TAL BUF

Client Sample ID: MP-241R
Date Collected: 10/14/15 11:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 17:54	SWO	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 22:51	MRB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-241R
Date Collected: 10/14/15 11:20
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270470	10/22/15 14:39	CPH	TAL BUF
Total/NA	Analysis	8082A		1	270589	10/23/15 13:26	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:36	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 11:02	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:13	TAS	TAL BUF
Total/NA	Analysis	300.0		2	269523	10/19/15 23:28	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 03:31	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 05:18	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 11:20	FLD	TAL BUF

Client Sample ID: MP-228AR
Date Collected: 10/14/15 08:18
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 18:16	SWO	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 23:18	MRB	TAL BUF
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 17:15	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:39	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 11:07	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:15	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 00:08	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 03:59	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 05:49	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 08:18	FLD	TAL BUF

Client Sample ID: MP-230A
Date Collected: 10/14/15 09:40
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270863	10/24/15 18:39	SWO	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/22/15 23:45	MRB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-230A
Date Collected: 10/14/15 09:40
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 17:30	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:52	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 11:13	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:17	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 00:17	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 04:27	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 06:04	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 09:40	FLD	TAL BUF

Client Sample ID: MP-232A
Date Collected: 10/14/15 10:28
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270943	10/25/15 00:47	JWG	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/23/15 00:12	MRB	TAL BUF
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 17:46	KS	TAL BUF
Dissolved	Prep	3005A			269591	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270165	10/21/15 13:56	AMH	TAL BUF
Dissolved	Prep	3020A			269414	10/19/15 11:25	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270695	10/23/15 11:18	MTM2	TAL BUF
Dissolved	Prep	7470A			270304	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 16:19	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 00:25	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 04:54	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 06:19	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 10:28	FLD	TAL BUF

Client Sample ID: MP-281
Date Collected: 10/14/15 09:00
Date Received: 10/16/15 09:00

Lab Sample ID: 480-89266-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270943	10/25/15 01:09	JWG	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/23/15 00:39	MRB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-281

Lab Sample ID: 480-89266-19

Date Collected: 10/14/15 09:00
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 18:02	KS	TAL BUF
Dissolved	Prep	3005A			269592	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270171	10/21/15 14:35	TRB	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270139	10/21/15 10:11	MTM2	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270410	10/21/15 20:41	MTM2	TAL BUF
Dissolved	Prep	7470A			270303	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:12	TAS	TAL BUF
Total/NA	Analysis	300.0		5	269523	10/20/15 00:33	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 05:23	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 06:25	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 09:00	FLD	TAL BUF

Client Sample ID: MP-281C

Lab Sample ID: 480-89266-20

Date Collected: 10/14/15 08:20
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270943	10/25/15 01:32	JWG	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/23/15 01:33	MRB	TAL BUF
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 18:18	KS	TAL BUF
Dissolved	Prep	3005A			269592	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270171	10/21/15 14:38	TRB	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270139	10/21/15 10:56	MTM2	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270410	10/21/15 21:14	MTM2	TAL BUF
Dissolved	Prep	7470A			270303	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:14	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 00:41	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 05:50	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 06:33	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 08:20	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-251A

Lab Sample ID: 480-89266-21

Date Collected: 10/14/15 12:00
Date Received: 10/16/15 09:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270943	10/25/15 01:54	JWG	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/23/15 02:00	MRB	TAL BUF
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 18:34	KS	TAL BUF
Dissolved	Prep	3005A			269592	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270171	10/21/15 14:41	TRB	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270139	10/21/15 11:02	MTM2	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270410	10/21/15 21:21	MTM2	TAL BUF
Dissolved	Prep	7470A			270303	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:15	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 00:49	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 08:09	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	269730	10/20/15 06:40	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 12:00	FLD	TAL BUF

Client Sample ID: MP-279

Lab Sample ID: 480-89266-22

Date Collected: 10/14/15 11:20
Date Received: 10/16/15 09:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270943	10/25/15 02:17	JWG	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/23/15 02:27	MRB	TAL BUF
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 18:50	KS	TAL BUF
Dissolved	Prep	3005A			269592	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270171	10/21/15 14:45	TRB	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270139	10/21/15 11:07	MTM2	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270410	10/21/15 21:28	MTM2	TAL BUF
Dissolved	Prep	7470A			270303	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:20	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 00:57	OAA	TAL BUF
Total/NA	Analysis	300.0		50	270091	10/21/15 18:12	CAS	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 09:06	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	270275	10/21/15 19:34	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 11:20	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-89213-1

Client Sample ID: MP-274

Lab Sample ID: 480-89266-23

Date Collected: 10/14/15 10:37
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270943	10/25/15 02:40	JWG	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/23/15 02:54	MRB	TAL BUF
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 19:37	KS	TAL BUF
Dissolved	Prep	3005A			269592	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270171	10/21/15 14:48	TRB	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270139	10/21/15 11:42	MTM2	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270410	10/21/15 21:35	MTM2	TAL BUF
Dissolved	Prep	7470A			270303	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:22	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 01:05	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 10:03	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	270275	10/21/15 19:41	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 10:37	FLD	TAL BUF

Client Sample ID: MP-274A

Lab Sample ID: 480-89266-24

Date Collected: 10/14/15 10:00
Matrix: Water
Date Received: 10/16/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	270943	10/25/15 03:02	JWG	TAL BUF
Total/NA	Prep	8011			270424	10/22/15 12:16	MRB	TAL BUF
Total/NA	Analysis	8011		1	270386	10/23/15 03:22	MRB	TAL BUF
Total/NA	Prep	3510C			270626	10/23/15 08:29	RMZ	TAL BUF
Total/NA	Analysis	8082A		1	270760	10/23/15 19:53	KS	TAL BUF
Dissolved	Prep	3005A			269592	10/19/15 11:25	CMM	TAL BUF
Dissolved	Analysis	6010C		1	270171	10/21/15 14:52	TRB	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270139	10/21/15 11:48	MTM2	TAL BUF
Dissolved	Prep	3020A			269413	10/19/15 13:05	KJ1	TAL BUF
Dissolved	Analysis	6020A		1	270410	10/21/15 21:42	MTM2	TAL BUF
Dissolved	Prep	7470A			270303	10/22/15 09:50	TAS	TAL BUF
Dissolved	Analysis	7470A		1	270517	10/22/15 15:24	TAS	TAL BUF
Total/NA	Analysis	300.0		10	269523	10/20/15 01:13	OAA	TAL BUF
Total/NA	Analysis	9060A		1	271114	10/26/15 10:30	DLG	TAL BUF
Total/NA	Analysis	SM 2320B		1	270275	10/21/15 19:48	CDC	TAL BUF
Total/NA	Analysis	Field Sampling		1	270663	10/14/15 10:00	FLD	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

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

TestAmerica Job ID: 480-89213-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-89213-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8011	EDB and DBCP in Water by Microextraction	EPA	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
6020A	Metals (ICP/MS)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
SM 2320B	Alkalinity	SM	TAL BUF
Field Sampling	Field Sampling	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

TestAmerica Job ID: 480-89213-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89213-1	MP-409	Water	10/12/15 18:15	10/15/15 07:15
480-89213-2	MP-211BR	Water	10/13/15 10:45	10/15/15 07:15
480-89213-3	MP-405A	Water	10/13/15 09:55	10/15/15 07:15
480-89213-4	MP-404A	Water	10/13/15 08:00	10/15/15 07:15
480-89213-5	MP-404	Water	10/13/15 08:30	10/15/15 07:15
480-89213-6	MP-210AR	Water	10/13/15 09:00	10/15/15 07:15
480-89213-7	FIELD BLANK DMP	Water	10/12/15 14:25	10/15/15 07:15
480-89213-8	MP-206AR	Water	10/12/15 16:36	10/15/15 07:15
480-89213-9	MP-277A	Water	10/12/15 17:26	10/15/15 07:15
480-89213-10	MP-235R	Water	10/13/15 16:16	10/15/15 07:15
480-89213-11	MP-235BR	Water	10/13/15 17:00	10/15/15 07:15
480-89213-12	MP-235CR	Water	10/13/15 17:42	10/15/15 07:15
480-89213-13	DUPLICATE DMP #1	Water	10/13/15 15:00	10/15/15 07:15
480-89213-14	MP-213A	Water	10/13/15 15:00	10/15/15 07:15
480-89213-15	MP-408	Water	10/13/15 17:55	10/15/15 07:15
480-89213-16	TRIP BLANKS	Water	10/13/15 00:00	10/15/15 07:15
480-89213-17	MP-406C	Water	10/13/15 16:00	10/15/15 07:15
480-89213-18	MP-280	Water	10/13/15 13:30	10/15/15 07:15
480-89213-19	MP-231AR	Water	10/13/15 11:55	10/15/15 07:15
480-89213-20	MP-280A	Water	10/13/15 14:10	10/15/15 07:15
480-89213-21	MP-227R	Water	10/13/15 15:49	10/15/15 07:15
480-89213-22	MP-286C	Water	10/13/15 18:09	10/15/15 07:15
480-89213-23	DUPLICATE DMP #2	Water	10/13/15 18:09	10/15/15 07:15
480-89213-24	MP-234AR	Water	10/14/15 08:16	10/15/15 07:15
480-89213-25	MP-234R	Water	10/14/15 08:55	10/15/15 07:15
480-89213-26	MP-402A	Water	10/14/15 09:48	10/15/15 07:15
480-89266-1	MP-214BR	Water	10/14/15 12:45	10/16/15 09:00
480-89266-2	MP-403A	Water	10/14/15 13:10	10/16/15 09:00
480-89266-3	MP-233R	Water	10/14/15 14:02	10/16/15 09:00
480-89266-4	MP-250	Water	10/14/15 11:09	10/16/15 09:00
480-89266-5	MP-250A	Water	10/14/15 11:44	10/16/15 09:00
480-89266-6	MP-233AR	Water	10/14/15 14:10	10/16/15 09:00
480-89266-7	MP-244ARR	Water	10/14/15 12:52	10/16/15 09:00
480-89266-8	MP-244R	Water	10/14/15 12:40	10/16/15 09:00
480-89266-9	MP-407	Water	10/14/15 13:35	10/16/15 09:00
480-89266-10	MP-401A	Water	10/14/15 12:54	10/16/15 09:00
480-89266-11	MP-401B	Water	10/14/15 13:32	10/16/15 09:00
480-89266-12	DUPICATE DMP #3	Water	10/14/15 12:54	10/16/15 09:00
480-89266-13	MP-238R	Water	10/13/15 14:23	10/16/15 09:00
480-89266-14	MP-237	Water	10/13/15 15:27	10/16/15 09:00
480-89266-15	MP-241R	Water	10/14/15 11:20	10/16/15 09:00
480-89266-16	MP-228AR	Water	10/14/15 08:18	10/16/15 09:00
480-89266-17	MP-230A	Water	10/14/15 09:40	10/16/15 09:00
480-89266-18	MP-232A	Water	10/14/15 10:28	10/16/15 09:00
480-89266-19	MP-281	Water	10/14/15 09:00	10/16/15 09:00
480-89266-20	MP-281C	Water	10/14/15 08:20	10/16/15 09:00
480-89266-21	MP-251A	Water	10/14/15 12:00	10/16/15 09:00
480-89266-22	MP-279	Water	10/14/15 11:20	10/16/15 09:00
480-89266-23	MP-274	Water	10/14/15 10:37	10/16/15 09:00
480-89266-24	MP-274A	Water	10/14/15 10:00	10/16/15 09:00

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	**Analysis Turnaround Time**			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Nauck C. Gordon N. Karolis

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-409	10/12/15	1815	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-211BR	10/13/15	1045	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-405A	↓	0955	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=None							2	2	4	2	6	4	6		All samples preserved on ice.

480-89213 Chain of Custody

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.9 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Gordon	Eagon & Associates, Inc.	10/14/15 @ 1100	[illegible]	TAI	10/14/15 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TestAmerica	10/14/15 1500	[illegible]		10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak, C. Gordon, N. Karow

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-404A	10/13/15	0800	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-404	↓	0830	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-210AR	↓	0900	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None							2	2	4	2	6	4	6		All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.0 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	10/14/15 @ 1100	[illegible]	TA-I	10/14/15 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[illegible]	TestAmerica	10/14/15 1900	[illegible]	[illegible]	10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parameters

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak, 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		Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
FIELD BLANK DMP	10/12/15	1425	Grab	GW	13	Y*	X	X	X	X	X		X	X		
MP-206AR	↓	1636	↓	↓	↓	Y*	X	X	X	X	X		X	X		
MP-277A	↓	1726	↓	↓	↓	Y*	X	X	X	X	X		X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None							2	2	4	2	6		4	6		All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.1 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	10/14/15 1100	[signature]	TAI	10/14/15 1100
Relinquished by:	Company: TestAmerica	Date/Time: 10/14/15 1400	Received by: [signature]	Company:	Date/Time: 10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parameters

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak/C. Gordon N. Karow

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-235R	10/13/15	1616	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-235BR	↓	1700	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-235CR	↓	1742	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=None							2	2	4	2	6	4	6		All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.0 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Gresham	Eagon & Associates, Inc.	10/14/15 1100	[illegible]	TA-I	10/14/15 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[illegible]	TestAmerica	10/14/15 1400	[illegible]		10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parameters

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak / C. Goodch N. Karow

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
DUPLICATE DMP #1	10/13/15	1500	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-213A	↓	1500	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-408	↓	1755	↓	↓	↓	Y*	X	X	X	X	X	X	X		8260 vials are unpreserved
TRIB BLANKS	—	—	—	O	4	-	X	X							
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None							2	2	4	2	6	4	6		All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

MP-408 Method 8260 vials (3) are unpreserved

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.9 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	10/14/15 @ 1100	[illegible]	TAI	10/14/15 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[illegible]	TestAmerica	10/14/15 1400	[illegible]	[illegible]	10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak / E. Gordon N. Karow

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		Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	*- only metals bottles field filtered							Sample Specific Notes:
MP-406C	10/13/15	1600	Grab	GW	13	Y*		X	X	X	X	X		X	X								
MS/MSD DMP	↓	1600	↓	↓	26	Y*		X	X	X	X	X		X	X								@ MP-406C
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None								2	2	4	2	6		4	6								All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.6 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	10/14/15 @ 1100	[illegible]	THF	10/14/15 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TestAmerica	10/14/15 1400			10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parameters

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak/C. Gordon N. Karow

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-280	10/13/15	1330	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-231AR	↓	1155	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-280A	↓	1410	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= None							2	2	4	2	6	4	6		All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.4 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Gordon	Eagon & Associates, Inc.	10/14/15 @ 1100	[illegible]	TAI	10/14/15 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[illegible]	TestAmerica	10/14/15 1400	[illegible]	[illegible]	10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	**Analysis Turnaround Time**			**For Lab Use Only:**
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Nowak / C. Gorka N. Karow

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-227R	10/13/15	1549	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-286C	↓	1809	↓	↓	↓	Y*	X	X	X	X	X	X	X		
DUPLICATE DMP #2	↓	1809	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None							2	2	4	2	6	4	6		All samples preserved on ice.

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.1 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew O. Graham	Eagon & Associates, Inc.	10/14/15 1100	[illegible]	TAI	10/14/15 1100
Relinquished by:	Company: TestAmerica	Date/Time: 10/14/15 1400	Received by:	Company:	Date/Time: 10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: *DMP w/ TSCA parameters*

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/14/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	**Analysis Turnaround Time**			**For Lab Use Only:**
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: Nikarov

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-234AR	10/14/15	0816	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-234R	↓	0855	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-402A	↓	0948	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= None							2	2	4	2	6	4	6		All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.0 Corr'd:_____ Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	10/14/15 @ 1100	[illegible]	TAJ	10/14/15 1100
Relinquished by:	Company: TestAmerica	Date/Time: 10/14/15 1400	Received by:	Company:	Date/Time: 10/15/15 0715
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

480-89266 Chain of Custody

TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parame... s, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-~~Cinci~~ Co/s	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak, C. Gordon N. Karow, 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		Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-214BR	10/15/15	1245	Grab	GW	13	Y*		X	X	X	X	X		X	X		
MP-403A	↓	1310	↓	↓	↓	Y*		X	X	X	X	X		X	X		
MP-233R	↓	1402	↓	↓	↓	Y*		X	X	X	X	X		X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None								2	2	4	2	6		4	6		All samples preserved on ice

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.0 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company: Eagon & Associates, Inc.	Date/Time:	Received by: Guadalupe Rivera	Company: TA	Date/Time: 10-15-15 10:50
Relinquished by: M. Zelk	Company: TA	Date/Time: 10.15.15 1700	Received by: [illegible]	Company: [illegible]	Date/Time: 10/16/15 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parameters

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA ~~Cinci~~ Col's.	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak, C. Gordon, N. Karow, 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		Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-250	10/14/15	1109	Grab	GW	13	Y*	X	X	X	X	X		X	X		
MP-250A	↓	1144	↓	↓	↓	Y*	X	X	X	X	X		X	X		
MP-233AR	↓	1410	↓	↓	↓	Y*	X	X	X	X	X		X	X		
							2	2	4	2	6		4	6		

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None

All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.3 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Eagon & Associates, Inc.		Gina Bivera	TA	10-15-15 10:50
Relinquished by: M. Zell	Company: TA	Date/Time: 1700 10-15-15	Received by:	Company:	Date/Time: 10/16/15 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Columbus 240507

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-~~Simci~~ Co/s.	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: A. Gochem, N. Novak, N. Karow, C. Gordon

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-244ARR	10/14/15	1252	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-244R	↓	1340	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-407	↓	1335	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None							2	2	4	2	6	4	6		All samples preserved on ice

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.4 Corr'd:_____ Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Eagon & Associates, Inc.		Gina Bylica	TA	10-15-15 10:50
Relinquished by: M. Zell	Company: TA	Date/Time: ~~1700~~ 10-15-15	Received by:	Company:	Date/Time: 10/16/15 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-~~Cinci~~ Cols.	( ) of ( ) COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novick, C. Gordon, N. Karow, 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		Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	*- only metals bottles field filtered	Sample Specific Notes:
MP-401A	10/14/15	1254	Grab	GW	13	Y*		X	X	X	X	X		X	X		
MP-401B	↓	1332	↓	↓	↓	Y*		X	X	X	X	X		X	X		
DUPLICATE OMP #3	↓	1254	↓	↓	↓	Y*		X	X	X	X	X		X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None								2	2	4	2	6		4	6		All samples preserved on ice

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.8 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Eagon & Associates, Inc.		Gina Rivera	TA	10-15-15 10:50
Relinquished by: M. Fell	Company: TA	Date/Time: 1700 10-15-15	Received by:	Company:	Date/Time: 10/16/15 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-~~Ginci~~ Cols.	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	**Analysis Turnaround Time**			**For Lab Use Only:**
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. NOVAK, C. Gordon, N. Karow, 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		Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	*- only metals bottles field filtered	Sample Specific Notes:
MP-238R	10/13/14	1423	Grab	GW	13	Y*		X	X	X	X	X		X	X		
MP-237	↓	1527	↓	↓	↓	Y*		X	X	X	X	X		X	X		
MP-241R	10/14/15	1120	↓	↓	↓	Y*		X	X	X	X	X		X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None								2	2	4	2	6		4	6		All samples preserved on ice

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.5 Corr'd:_____ Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Eagon & Associates, Inc.		Gina Rivera	TA	10-15-15 10:50
Relinquished by: M. Fuller	Company: TA	Date/Time: 1700 10-15-15	Received by:	Company:	Date/Time: 10/16/15 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-~~Cinci~~ COCS.	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: M. Nerck, N. Kacow C. Gordon, 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		Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-228AR	10/14/15	0818	Grab	GW	13	Y*		X	X	X	X	X		X	X		
MP-230A	↓	0940	↓	↓	↓	Y*		X	X	X	X	X		X	X		
MP-232A	↓	1028	↓	↓	↓	Y*		X	X	X	X	X		X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None								2	2	4	2	6		4	6		All samples preserved on ice

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.5 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Eagon & Associates, Inc.		Gina Rivera	TA	10-15-15 10:50
Relinquished by: M. [illegible]	Company: TA	Date/Time: 1700 10-15-15	Received by: [illegible]	Company: [illegible]	Date/Time: 10/16/15 0600
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP w/ TSCA parameters**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-~~Ginei~~ Cols.	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: N. Novak, C. Gordon, N. Karow, 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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-281	10/14/15	0900	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-281C	↓	0820	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-251A	↓	1200	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None							2	2	4	2	6	4	6		All samples preserved on ice

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.7 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Eagon & Associates, Inc.		Gina Rivera	TA	10-15-15 10:50
Relinquished by: M. Fell	Company: TA	Date/Time: 1700 10-15-15	Received by:	Company:	Date/Time: 10/16/15 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Buffalo
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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parameters

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 10/15/15	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-~~Cinci~~ Cols.	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
PO#	☐ 1 day			Sampler: M. Nowak / C. Gordon N. Karow / A Gaher

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	Diss. Metals (Ca, Mg, K, Na)	Alkalinity, Chloride, Sulfate	* - only metals bottles field filtered	Sample Specific Notes:
MP-279	10/14/15	1120	Grab	GW	13	Y*	X	X	X	X	X	X	X		
MP-274	↓	1037	↓	↓	↓	Y*	X	X	X	X	X	X	X		
MP-274A	↓	1000	↓	↓	↓	Y*	X	X	X	X	X	X	X		
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None							2	2	4	2	6	4	6		All samples preserved on ice

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.1 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company: Eagon & Associates, Inc.	Date/Time:	Received by: Gina Rivera	Company: TA	Date/Time: 10-15-15 10:50
Relinquished by: M. Zell	Company: TA	Date/Time: 10/15/15 1700	Received by:	Company:	Date/Time: 10/16/15 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-89213-1

Login Number: 89213
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica 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.	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
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-89213-1

Login Number: 89266
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica 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.	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
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Detection Limit Exceptions Summary

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

TestAmerica Job ID: 480-89213-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great 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 procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
6010C	Water	Calcium, Dissolved	mg/L	0.10	0.50
6010C	Water	Sodium, Dissolved	mg/L	0.90	1.0

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-409

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0950 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 911.83 (ft/msl)

Depth to Water (DTW) (from TOC): 110.58 (ft)

Groundwater Elevation (site datum, from TOC): 910.25 (ft/msl)

Total Well Depth (from TOC): 181.70 (ft)

Water Column Height (well depth - DTW): 71.12 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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 (Liters:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
10/12/15	1815	0020	1.12	1.40	1.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1755	110.56						
1805	111.24	1.20	7.48	1.858	16.1	4.1	200
1810	111.27	1.30	7.50	1.861	16.0	4.1	200
1815	111.29	1.40	7.53	1.855	15.9	28.3	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/12/15	1815	1.40	7.53	1.855	15.9	28.3	200

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10/W Air Temp: 70°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05

ORP (mV) = -65.5

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
10/12/15	Nelson Novak	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-211BR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0952 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 1116.9 (ft/msl)

Depth to Water (DTW) (from TOC): 17.90 (ft)

Groundwater Elevation (site datum, from TOC): 1103.19 (ft/msl)

Total Well Depth (from TOC): 32.90 (ft)

Water Column Height (well depth - DTW): 25.00 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters; Gallons) circle one	(PUMP/TUBING; WELL) VOLS PURGED (optional)
10/13/15	1020	0025	107	150	7V

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L; Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1012 10	17.82						
1013 15	18.97	1.30	7.016	1101.17	14.15	+++	2010
1014 10	19.02	1.40	7.016	1101.16	14.15	++	2010
1014 15	19.06	1.50	7.05	1101.12	14.16	103.2	2010

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L; Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1045	150	7.05	1101.2	14.6	103.2	200

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10/SW

Air Temp: 55°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.06

ORP (mV) = 36.6

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-405A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0922 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 911102 (ft/msl)

Depth to Water (DTW) (from TOC): 1977 (ft)

Groundwater Elevation (site datum, from TOC): 901125 (ft/msl)

Total Well Depth (from TOC): 11560 (ft)

Water Column Height (well depth - DTW): 1583 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Pump Type (Vol): C — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

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 (Liters/Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101315	0925	0030	102	130	15

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0925	1978						
0941	1416	120	6.79	1266.9	16.2	[illegible]	100
0950	1150	125	6.79	1269.2	16.2	[illegible]	100
0955	1155	130	6.79	1271.7	16.2	7.04	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101315	0955	130	6.79	1271.7	16.2	7.04	100

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 NW Air Temp: 55°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.27

ORP (mV) = 39.4

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-404A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 09:11 (2400 Hr. Clock)

Purge/Sample Method: DRY (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 915.09 (ft/msl)

Depth to Water (DTW) (from TOC): 17.81 (ft)

Groundwater Elevation (site datum, from TOC): 907.28 (ft/msl)

Total Well Depth (from TOC): 20.40 (ft)

Water Column Height (well depth - DTW): 2.59 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL VOLS PURGED) (optional)
10/12/15	14:39	00:20	17.6	12.0	DRY 1.54

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
14:39	17.81						
14:59	DRY	12.0					
0900	12.35		7.17	1060.3	16.4	16.1	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	0900	12.0	7.17	1060.3	16.4	16.1	100

FIELD COMMENTS

Sample Appearance: —

Odor: None.

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/SW

Air Temp: 55°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 2.89

ORP (mV) = 60.4

Well Volume = 12.59 x 0.163 = 2.06 x 3.785 = 7.80 L

Purged dry @ 12.0 L, let well recover overnight

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15

Name: Nelson Nash

Signature: Nelson Nash

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-404

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0917 (2400 Hr. Clock)

Purge/Sample Method: DRY X = Other; LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC): 927.5 (ft/msl)

Depth to Water (DTW) (from TOC): 116.54 (ft)

Groundwater Elevation (site datum, from TOC): 896.21 (ft/msl)

Total Well Depth (from TOC): 100.00 (ft)

Water Column Height (well depth - DTW): 18.46 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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 (Liters/Gal) IN (PUMP/TUBING:WELL/CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL/CASING) VOLS PURGED (optional)
10/12/15	1506	0101	152.2	550 DRY	11

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1510	116.54						
1601	DRY	550					
0830	146.97		7.23	1554	13.6	114	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	0830	550	7.23	1554	13.6	114	100

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/SW Air Temp: 55°F Precipitation: Y or N

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.21

ORP (mV) = -77.2

Well Volume 18.46 x 0.163 = 3.77 x 3.785 L/gal = 52.3L

Purged dry @ 550 L, left to recover overnight

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-210AR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1100 (2400 Hr. Clock)

Purge/Sample Method: DRY (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 918.23 (ft/msl)

Depth to Water (DTW) (from TOC): 16.31 (ft)

Groundwater Elevation (site datum, from TOC): 906.52 (ft/msl)

Total Well Depth (from TOC): 42.90 (ft)

Water Column Height (well depth - DTW): 36.59 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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 (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101215	1242	0148	1404	1110 DRY	122

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (Liters/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1242	16.31						
1430	DRY	1.10					
0910	27.10		7.16	9.36	13.4	1.62	1.00

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (Liters/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101315	0900	1.10	7.16	9.36	13.4	1.62	1.00

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W Air Temp: 55°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.16

ORP (mV) = -4.6

Well Volume = 36.59 x 0.652 = 23.86 x 3.785 L/gal = 90.4 L

Purged dry @ 1.10 L, left to

Samples Collected:

DMP VOCs / Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: Nelson Novak Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: FIELD BLANK - DMP

WELL DATA

Water-Level Date (MM DD YY)

Water-Level Time (2400 Hr. Clock)

Purge/Sample Method: — X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

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

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-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol)

A-P1200M (405 ml)
B-P1101M (395 ml)
C-P1150 (130 ml)
X-Other

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	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L : Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
110 112 15	1425		677	327	198	0.79	

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~5-10mph / SW Air Temp: ~75°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = —

ORP (mV) = —

Sample collected by pouring lab-supplied control water directly into sample containers near well MP-21bAR

Samples Collected:

DMP VOCs / Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

10/12/15 Date | Andrew D. Graham Name | Signature | Eagon & Associates, Inc. Company

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-206AR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1016 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 967.3 (ft/msl)

Depth to Water (DTW) (from TOC): 10.36 (ft)

Groundwater Elevation (site datum, from TOC): 906.37 (ft/msl)

Total Well Depth (from TOC): 299.0 (ft)

Water Column Height (well depth - DTW): 19.54 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 VOLS (Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING; WELL) VOLS PURGED (optional)
10/12/15	1616	0020	1107	1160	185

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L or Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1616	10.26						
1626	10.35	1.30	6.35	1291.7	15.3		300
1631	10.39	1.45	6.76	1291.9	15.3		300
1636	10.42	1.60	6.76	1291.0	15.2	18.3	300

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L or Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/12/15	1636	1.60	6.76	1291.0	15.2	18.3	300

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 10-15/W

Air Temp: 75°F

Precipitation: X or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.04

ORP (mV) = 24.3

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/12/15

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-277A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1017 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 915.24 (ft/msl)

Depth to Water (DTW) (from TOC): 19.02 (ft)

Groundwater Elevation (site datum, from TOC): 896.22 (ft/msl)

Total Well Depth (from TOC): 47.30 (ft)

Water Column Height (well depth - DTW): 38.28 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/12/15	1656	0030	108	1100	12.5

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L; Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1656	19.97						
1711	11.12	1.80	6.88	1.574	14.8	—	400
1721	11.10	1.90	6.91	1.561	14.9	—	200
1726	11.09	1.00	6.93	1.542	14.9	1.1	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L; Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/12/15	1726	1.00	6.93	1.542	14.9	1.1	200

FIELD COMMENTS

Sample Appearance: —

Odor: None Strong

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 10-15/W

Air Temp: 75°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.01

ORP (mV) = -102.1

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/12/15

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-235R

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0950 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 914.84 (ft/msl)

Depth to Water (DTW) (from TOC): 18.48 (ft)

Groundwater Elevation (site datum, from TOC): 896.36 (ft/msl)

Total Well Depth (from TOC): 72.20 (ft)

Water Column Height (well depth - DTW): 53.72 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: (Y) or N

Filter Device: (Y) or N (0.45µ) or — µ (circle or fill in)

Purging Device: e

Sampling Device: C

A-Submersible Pump; B-Peristaltic Pump; C-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1546	0030	10	120	12

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1545	1848						400
1546	5TAR	10					↓
1610	2018	15	7.33	1716	14.7		↓
1611	2025	10	7.32	1746	14.5		↓
1616	2036	12	7.32	1733	14.3	15.3	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1616	120	7.32	1733	14.3	15.3	400

FIELD COMMENTS

Sample Appearance: — Odor: NONE Color: CLEAR Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 MPH FROM SW Air Temp: ~65°F Precipitation: X or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.09

ORP (mV) = -74.0

REFILL: 12 SEC

DISCHARGE: 3 SEC @ ~45 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: NICK A KAZAS Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-235BR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0952 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 91450 (ft/msl)

Depth to Water (DTW) (from TOC): 1590 (ft)

Groundwater Elevation (site datum, from TOC): 89860 (ft/msl)

Total Well Depth (from TOC): 3863 (ft)

Water Column Height (well depth - DTW): 2273 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 PURGED (Liters/Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1630	0030	08	95	1.9

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1629	1596						
1630	STABILIZE	100					300
1650	1697	160	6.94	2108	14.4		↓
1655	1709	175	6.94	2102	14.4		↓
1710	1716	195	6.92	2092	14.4	052	300

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1700	95	6.92	2092	14.4	052	300

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 mph from SW

Air Temp: ~60°F

Precipitation: X or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.06

ORP (mV) = -10.2

REFILL: 17 sec

DISCHARGE: 3 sec @ ~30 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15

Name: Nick A Kazow

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-235CR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0951 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9146 (ft/msl)

Depth to Water (DTW) (from TOC): 140 (ft)

Groundwater Elevation (site datum, from TOC): 903.26 (ft/msl)

Total Well Depth (from TOC): 290 (ft)

Water Column Height (well depth - DTW): 150 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters; Gallons) circle one	(PUMP/TUBING; WELL) VOLS PURGED (optional)
10/13/15	1712	0030	06	10	1.67

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L; Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1712	1138						
1712	SIT ALRT	100					400
1732	1325	80	6.79	1947	148		200
1737	1323	90	6.79	1945	152		1
1742	1323	100	6.79	1940	152	0.63	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L; Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1742	10	6.79	1940	152	0.63	200

Sample Appearance: —

Odor: NONE

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 MPH FROM SW ↗

Air Temp: ~65°F

Precipitation: Y or N

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.08

400 ml/MIN

ORP (mV) = +36.9

REFILL: 12 SEC

REFILL: 27 SEC

= 200 ml/MIN

DISCHARGE: 3 SEC @ ~20 PSI

DISCHARGE: 3 SEC @ ~20 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15

Name: Nick A Karou

Signature: Nick G2

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: DUPLICATE-DMP

WELL DATA

Water-Level Date (MM DD YY) | Water-Level Time (2400 Hr. Clock) | Purge/Sample Method: LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other

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

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-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle | Pump Type (Vol): A-P1200M (895 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Sampling Device

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	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
SEE	FIELD	SHEET	FOR	WELL	MP-	213A	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1500	8.0	6.53	2902	14.4	103	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: S-10/SW Air Temp: 60°F Precipitation: X or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.03

ORP (mV) = 29.8

Duplicate sample by contains of well MP-213A

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-213A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0933 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 912.98 (ft/msl)

Depth to Water (DTW) (from TOC): 19.86 (ft)

Groundwater Elevation (site datum, from TOC): 892.12 (ft/msl)

Total Well Depth (from TOC): 32.56 (ft)

Water Column Height (well depth - DTW): 13.64 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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 (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/12/15	1440	0020	107	180	114

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (Liters/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1410	18.85						
1450	18.92	1.40	6.53	2.98	14.4	—	400
1455	18.92	1.60	6.53	2.90.9	14.4	—	400
1500	18.93	1.80	6.53	2.90.12	14.4	0.94	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/12/15	1500	1.80	6.53	2.90.2	14.4	0.94	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-D/W Air Temp: 60°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.03

ORP (mV) = 29.8

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/12/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-408

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0844 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 916.41 (ft/msl)

Depth to Water (DTW) (from TOC): 22.69 (ft)

Groundwater Elevation (site datum, from TOC): 893.72 (ft/msl)

Total Well Depth (from TOC): 115.00 (ft)

Water Column Height (well depth - DTW): 92.31 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): R — 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 (PMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (L: Gals: Gallons) circle one	(PUMP/TUBING; WELL) VOLS PURGED (optional)
101315	1655	0100	115	220	18.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1605	22.66						
1715	22.81	1.80	7.18	1371.6	14.8	---	400
1725	22.70	2.19	7.17	1369.5	14.7	---	200
1735	22.73	2.20	7.17	1367.0	14.7	16.2	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101315	1735	220	7.17	3670	14.7	16.2	200

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear slight tan

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10/SW

Air Temp: 60°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.06

ORP (mV) = -112.2

purge and sample water effervescing

VOCs was sampled unpreserved (8260)

Samples Collected: preserved (8011)

DMP VOCs / Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15

Name: Nelson Novak

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-486C

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0852 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 917.40 (ft/msl)

Depth to Water (DTW) (from TOC): 22.32 (ft)

Groundwater Elevation (site datum, from TOC): 895.08 (ft/msl)

Total Well Depth (from TOC): 76.00 (ft)

Water Column Height (well depth - DTW): 45.68 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1540	0020	110	180	8

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1514	22.28						
1550	22.32	10	7.27	9.55	15.3	—	400
1555	22.32	60	7.26	9.63	15.5	—	400
1600	22.32	80	7.26	9.57	15.5	14.66	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1600	180	7.26	9.57	15.5	14.66	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 kW Air Temp: 60° Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.33

ORP (mV) = -28.3

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
10/13/15	Nelson Novak	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MS/MSD-DMP

WELL DATA

Water-Level Date (MM DD YY): | Water-Level Time (2400 Hr. Clock): | Purge/Sample Method: ___ X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

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

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-QED 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	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101315	1600	180	7.26	1957	18.5	14.66	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10/SW Air Temp: 60°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.33

ORP (mV) = -293

Matrix Spike/Matrix Spike Duplicate-DMP collected from monitoring well MP-106

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-280

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0926 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 9124.9 (ft/msl)

Depth to Water (DTW) (from TOC): 1150.0 (ft)

Groundwater Elevation (site datum, from TOC): 8974.9 (ft/msl)

Total Well Depth (from TOC): 1074.0 (ft)

Water Column Height (well depth - DTW): 924.0 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1255	0035	114	110	7.8

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1255	1150.0						
1315	1218.32	1.8	7.43	1140.3	14.5	—	400
1320	1218.37	1.9	7.54	1140.0	14.7	—	200
1325	1218.42	11.0	7.55	1139.9	14.7	—	200
1330	1218.46	11.0	7.56	1140.0	14.7	1.16	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1330	11.0	7.56	1140.0	14.7	1.16	200

FIELD COMMENTS

Sample Appearance: → Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 10-15/SW Air Temp: 60°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.04

ORP (mV) = -135.8

purge and sample water effervescing.

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-231AR

WELL DATA

Water-Level Date: 10/12/16 (MM DD YY)

Water-Level Time: 1037 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 915.73 (ft/msl)

Depth to Water (DTW) (from TOC): 18.98 (ft)

Groundwater Elevation (site datum, from TOC): 906.75 (ft/msl)

Total Well Depth (from TOC): 360.60 (ft)

Water Column Height (well depth - DTW): 216.2 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 VOLUME (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101215	1125	0030	107	100	142

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L / Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1125	19.93						
1145	19.94	8.0	7.33	1.178	15.1	—	400
1150	19.90	9.0	7.34	1.179	15.1	—	200
1155	19.92	10.0	7.30	1.182	15.0	0.78	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L / Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101215	1155	10.0	7.30	1.183	15.0	0.78	200

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 W Air Temp: 60°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.15
ORP (mV) = -79.7

Samples Collected:
DMP VOCs / Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-290A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0928 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 1022.8 (ft/msl)

Depth to Water (DTW) (from TOC): 118.14 (ft)

Groundwater Elevation (site datum, from TOC): 904.14 (ft/msl)

Total Well Depth (from TOC): 353.0 (ft)

Water Column Height (well depth - DTW): 117.16 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters: Gallons) circle one	(PUMP/TUBING: WELL) VOLS PURGED (optional)
10/13/15	1350	00:20	1.07	1.80	1.14

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1350	118.12						
1400	118.19	1.40	6.92	1581	14.3	—	400
1405	118.20	1.60	6.88	1582	14.2	—	400
1410	118.20	1.80	6.87	1578	14.3	1.70	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1410	1.80	6.87	1578	14.3	1.70	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 10-15/SW Air Temp: 60°F Precipitation: X or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.03

ORP (mV) = -48.0

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-227R

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1029 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 913000 (ft/msl)

Depth to Water (DTW) (from TOC): 1622 (ft)

Groundwater Elevation (site datum, from TOC): 896778 (ft/msl)

Total Well Depth (from TOC): 6870 (ft)

Water Column Height (well depth - DTW): 5248 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101315	1432	117	10	186	186

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1430	1626						
1432	START	10					200
1436	1721	28	119	2641	147		900
1502	1801	92	105	1716	144		200
1517	1751	12	113	1856	149		200
1529	1740	16	115	1891	151		200
1534	1736	16	115	1842	152		200
1539	1733	16	116	1945	151		200
1544	1731	16	118	1913	151		200
1549	1729	18	115	1873	150		200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101315	1549	186	920	1881	150	371	200

FIELD COMMENTS

Sample Appearance: —

Odor: none

Color: white

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 mph from SW

Air Temp: ~60°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 1.46

ORP (mV) = -71.0

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15

Name: Chris Gordon

Signature: Chris Gordon

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-286C

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1119 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9145.9 (ft/msl)

Depth to Water (DTW) (from TOC): 19.43 (ft)

Groundwater Elevation (site datum, from TOC): 895.16 (ft/msl)

Total Well Depth (from TOC): 57.00 (ft)

Water Column Height (well depth - DTW): 37.57 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1749	020	09	80	8.9

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1747	1943						
1749	START	100					400
1759	1944	140	7.70	1126	12.6		400
1810	1944	160	7.67	1126	12.6		400
1819	1944	180	7.65	1127	12.6	1.78	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1809	80	7.65	1127	12.6	1.78	400

FIELD COMMENTS

Sample Appearance: —

Odor: none

Color: clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: calm

Air Temp: ~60°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.06

ORP (mV) = -127.2

Refill = 10 sec

Discharge = 5 sec @ 35 psi

Duplicate - DMP#2 collected.

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
10/13/15	Chris Gordon	Chris Gordon	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: Duplicate - DMP #2

WELL DATA

Water-Level Date (MM DD YY): ____ Water-Level Time (2400 Hr. Clock): ____ Purge/Sample Method: ____ X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.

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

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-QED 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 (92 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	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L) Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1747	1949						
1749	START	100					400
1759	1949	140	7.68	1216	12.6		400
1804	1949	160	7.67	1217	12.6		400
1809	1949	180	7.65	1217	12.6	19.8	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L) Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1809	180	7.65	1217	12.6	19.8	400

FIELD COMMENTS

Sample Appearance: — Odor: none Color: clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: calm Air Temp: ~60°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.96

ORP (mV) = -127.1

Exact duplicate by container of well MP-286C.

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Chris Gordon Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-234AR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0959 (2400 Hr. Clock)

Purge/Sample Method: LF — X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.

Well Elevation (at TOC): 910.90 (ft/msl)

Depth to Water (DTW) (from TOC): 17.70 (ft)

Groundwater Elevation (site datum, from TOC): 903.20 (ft/msl)

Total Well Depth (from TOC): 24.60 (ft)

Water Column Height (well depth - DTW): 16.90 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

X-Other: —

Tubing ID (Vol/Ft): B — A-3/8 inch (22 ml/ft), B-1/4 inch (16 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	0756	0020	06	80	1.3.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0753	17.89						
0756	START	100					400
0810	18.49	140	6.76	30.18	14.5		
0811	18.52	160	6.75	30.32	14.6		
0816	18.53	180	6.74	30.38	14.6	4.95	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	0816	80	6.74	30.38	14.6	4.05	400

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 mph from SW

Air Temp: ~50°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.20

ORP (mV) = -12.0

REFILL: 12 SEC

DISCHARGE: 3 SEC @ ~20 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Nick A Karow

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-234R

WELL DATA

Water-Level Date: 10 12 15 (MM DD YY)

Water-Level Time: 0957 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 911188 (ft/msl)

Depth to Water (DTW) (from TOC): 1502 (ft)

Groundwater Elevation (site datum, from TOC): 896 (ft/msl)

Total Well Depth (from TOC): 7540 (ft)

Water Column Height (well depth - DTW): 6038 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING/WELL CASING) circle all that each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10 14 15	0830	0025	11	38	35

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0827	1498						
0830	START	10	11	11	11	11	150
0840	1550	115	691	5040	137	11	11
0845	1565	13	708	5114	138	11	↓
0850	1575	130	713	5081	140	11	150
0855	1582	130	715	5019	141	35	150

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10 14 15	0855	38	715	5019	141	35	150

FIELD COMMENTS

Sample Appearance: —

Odor: NONE

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 mph from SW

Air Temp: ~55°F

Precipitation: X or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.34

ORP (mV) = -12.9

REFILL = 17 SEC

DISCHARGE = 3 SEC @ ~40 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Nick A Karon

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-402A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1001 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 908.42 (ft/msl)

Depth to Water (DTW) (from TOC): 48.3 (ft)

Groundwater Elevation (site datum, from TOC): 903.59 (ft/msl)

Total Well Depth (from TOC): 210.0 (ft)

Water Column Height (well depth - DTW): 161.7 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	0928	0020	06	80	133

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0918	15.08						
0918	21.47	100					400
0918	16.27	140	6.96	1285.6	15.6		
0918	16.29	160	6.87	1283.2	15.7		N
0948	16.30	180	6.85	1282.8	15.9	2.47	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	0948	80	6.85	2828	15.9	2.47	400

FIELD COMMENTS

Sample Appearance: — Odor: NONE Color: CLEAR/EFFERVESCENT Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph FROM SW ? Air Temp: ~ 60°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.17

ORP (mV) = -54.5

REFILL: 13 SEC

DISCHARGE: 2 SEC @ ~ 28 PSI

Samples Collected: PURGE WATER EFFERVESCENT

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: NICK A KAZOW Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-214BR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 09:08 (2400 Hr. Clock)

Purge/Sample Method: DRY — X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.

Well Elevation (at TOC): 910.29 (ft/msl)

Depth to Water (DTW) (from TOC): 15.94 (ft)

Groundwater Elevation (site datum, from TOC): 894.35 (ft/msl)

Total Well Depth (from TOC): 30.20 (ft)

Water Column Height (well depth - DTW): 14.26 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Mol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1303	0:50	356	606	1.17

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1302	1583						
1303	STARIT	100					
1305	DRY	606					
1014	SAMPLE						
1214	1613	606	674	3153	136	251	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1214	606	674	3153	136	251	

FIELD COMMENTS

Sample Appearance: — Odor: none Color: clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph from SW Air Temp: ~60°F Precipitation: X or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.16

ORP (mV) = +116.5

Well volume ~ 30.20 - 15.85 = 14.35 x 0.652 = 9.4 gals x 3.785 L/gal = 35.6 Liters

Purged dry @ 60.6 Liters

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Chris Gordon Signature: [signature] Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-403A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 09:07 (2400 Hr. Clock)

Purge/Sample Method: DRY (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 1237 (ft/msl)

Depth to Water (DTW) (from TOC): 9.34 (ft)

Groundwater Elevation (site datum, from TOC): 1030.3 (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

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-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1356	04	61	85	14

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1356	19.28						
1356	START	10.0					
1410	DRY	18.5					
1414	SAMPLE						
1410	19.70	8.5	6.83	3359	16.8	14.0	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1310	8.5	6.83	3359	16.8	14.0	

FIELD COMMENTS

Sample Appearance: — Odor: none Color: clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 mph from SW Air Temp: ~60°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 2.81

ORP (mV) = +18.1

Well volume = 18.70 - 9.28 = 9.42 x 0.163 = 1.6 gal x 3.785 L/gal = 6.1 Liters

Purged dry @ 8.5 Liters

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
10/14/15	Chris Gordon	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-233R

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1005 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9070.0 (ft/msl)

Depth to Water (DTW) (from TOC): 11.48 (ft)

Groundwater Elevation (site datum, from TOC): 895.52 (ft/msl)

Total Well Depth (from TOC): 802.0 (ft)

Water Column Height (well depth - DTW): 68.72 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	1342	020	11	40	36

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1339	11.53	10	—	—	—	—	200
1342	START	20	7.12	21.64	16.6	—	200
1352	12.09	30	7.19	21.59	16.6	—	200
1357	12.19	40	7.25	21.55	16.5	15.5	200
1402	12.28						

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1402	40	7.25	21.55	16.5	15.5	200

FIELD COMMENTS

Sample Appearance: — Odor: none Color: clear/effervescent Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 10-20 mph from SW Air Temp: ~60°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.03

Purge water effervescing ORP (mV) = -100.6

Refill: 12 sec

Discharge: 3 sec @ 40 psi

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Chris Gordon Signature: [signature] Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-250

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1054 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 910.07 (ft/msl)

Depth to Water (DTW) (from TOC): 13.01 (ft)

Groundwater Elevation (site datum, from TOC): 897.06 (ft/msl)

Total Well Depth (from TOC): 579.0 (ft)

Water Column Height (well depth - DTW): 448.9 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters Gallons) circle one	(PUMP/TUBING WELL) VOLS PURGED (optional)
10/14/15	1049	020	09	70	7.8

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1047	12.99						
1049	START	10.0					400
1059	13.94	14.0	8.05	1035	14.0		300
1104	14.03	15.5	8.06	1034	14.0		300
1109	14.10	17.0	8.06	1033	14.0	0.80	300

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1109	70	8.06	1033	14.0	0.80	300

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph from SW

Air Temp: ~55°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.16

ORP (mV) = -10.1

Refill: 10 sec

Discharge: 5 sec @ 30 psi

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Chris Gordon

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-250A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1052 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9102.4 (ft/msl)

Depth to Water (DTW) (from TOC): 11.54 (ft)

Groundwater Elevation (site datum, from TOC): 898.70 (ft/msl)

Total Well Depth (from TOC): 40.40 (ft)

Water Column Height (well depth - DTW): 28.86 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	1124	02:0	08	80	10

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1123	1117.8						
1124	START	10.0					400
1134	1118.4	14.0	7.93	1428	14.2		400
1139	1118.3	16.0	7.94	1427	14.2		400
1144	1118.4	18.0	7.95	1421	14.2	123	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1144	80	7.95	1421	14.2	123	400

FIELD COMMENTS

Sample Appearance: — Odor: none Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 mph from SW Air Temp: ~55°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.07

ORP (mV) = -40.1

Refill: 10 sec

Discharge: 5 sec @ 20 psi

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Chris Gordon Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-233AR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 10:04 (2400 Hr. Clock)

Purge/Sample Method: DRY X = Other; LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC): 974.4 (ft/msl)

Depth to Water (DTW) (from TOC): 56.4 (ft)

Groundwater Elevation (site datum, from TOC): 918.0 (ft/msl)

Total Well Depth (from TOC): 27.70 (ft)

Water Column Height (well depth - DTW): 22.06 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1620	104	549	700	128

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1619	55.2						
1620	START	100					
1724	DRY	700					
1014	SAMPLE						
1410	1138		7.12	1542	17.5	5.17	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1410	700	7.12	1542	17.5	5.17	

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10/SW Air Temp: 65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.79

ORP (mV) = -20.9

Well volume = 27.70 - 5.52 = 22.18 x 0.652 = 14.5 gals x 3.785 L/gal = 54.9 Liters

Purged Dry @ 70.0 Liters

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-244 ARR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1102 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9082 (ft/msl)

Depth to Water (DTW) (from TOC): 1495 (ft)

Groundwater Elevation (site datum, from TOC): 8947 (ft/msl)

Total Well Depth (from TOC): 2780 (ft)

Water Column Height (well depth - DTW): 1285 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
10/14/15	1234	018	06	72	12.0

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1232	1525						
1234	START	10.0	7.1	[illegible]	[illegible]	[illegible]	400
1244	1507	14.0	7.05	12.55	15.2	[illegible]	↓
1248	1581	15.6	7.04	12.54	15.1	[illegible]	↓
1252	1583	17.2	7.04	12.53	15.2	10.03	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1252	72	7.04	12.53	15.2	10.03	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~5-15mph/SW Air Temp: ~65°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.44

ORP (mV) = -91.4

RECIRC 13.5 sec

DISCHARGE: 1.5 sec @ ~ 20 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Nick A Karow Signature: [signature] Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-244E

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1100 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 9057.3 (ft/msl)

Depth to Water (DTW) (from TOC): 130.0 (ft)

Groundwater Elevation (site datum, from TOC): 896.73 (ft/msl)

Total Well Depth (from TOC): 672.0 (ft)

Water Column Height (well depth - DTW): 542.0 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	1310	030	110	110	1.0

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1310	1310						
1310	STIABIT	1.0					400
1325	1430	1.8	7.45	1271	15.8		200
1330	1431	1.9	7.47	1273	16.1		↓
1335	1430	1.0	7.48	1287	16.0		200
1340	1430	1.1	7.48	1293	15.9	10.04	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1340	110	7.48	1293	15.9	10.04	200

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~5-10mph / W Air Temp: ~65°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.68

400 ml/min ORP (mV) = -97.2

REFILL: 12.5 sec REFILL: 13.3 sec 1. : 200 ml/min

DISCHARGE: 2.5 sec @ ~ 40 PSI DISCHARGE: 1.7 sec @ ~ 35 PSI

Samples Collected:

DMP VOCs / Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Nick A Karow Signature: [signature] Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-407

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1012 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9103 (ft/msl)

Depth to Water (DTW) (from TOC): 1526 (ft)

Groundwater Elevation (site datum, from TOC): 8905 (ft/msl)

Total Well Depth (from TOC): 8170 (ft)

Water Column Height (well depth - DTW): 6644 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101415	1255	0040	112	180	166

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1245	1533						
1255	1795	160	7.38	1941	17.1	—	200
1310	1816	170	7.39	1951	17.1	—	200
1315	1817	180	7.39	1946	17.0	1.29	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101415	1315	180	7.39	1946	17.0	1.29	200

FIELD COMMENTS

Sample Appearance: —

Odor: None ~~Clear~~

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: S-10/W

Air Temp: 65°

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.03

ORP (mV) = -113.4

Purge and sample water effervescing

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-401A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1048 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 9063.7 (ft/msl)

Depth to Water (DTW) (from TOC): 11.42 (ft)

Groundwater Elevation (site datum, from TOC): 894.95 (ft/msl)

Total Well Depth (from TOC): 18.50 (ft)

Water Column Height (well depth - DTW): 7.08 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45 or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-QED 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	ACTUAL VOL PURGED (Liters, Gallons) circle one	(PUMP/TUBING, WELL) VOLS PURGED (optional)
10/14/15	1234	00:20	02	8.0	4.0

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L, Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1231	11.66						
1234	STABIT	1.0	7.1				400
1239	11.75	1.0	6.71	1188.3	17.5		
1249	11.75	1.6	6.72	1187.8	17.5		
1254	11.76	1.8	6.72	1187.2	17.6	1.27	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L, Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1254	8.0	6.72	1187.2	17.6	1.27	400

FIELD COMMENTS

Sample Appearance: —

Odor: NONE

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 MPH FROM SW

Air Temp: ~65°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.1

ORP (mV) = +58.6

REFILL: 12 SEC

DISCHARGE: 3 SEC @ ~ 25 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Nick A Karkau

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-401B

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 10:44 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 96656 (ft/msl)

Depth to Water (DTW) (from TOC): 8.44 (ft)

Groundwater Elevation (site datum, from TOC): 89812 (ft/msl)

Total Well Depth (from TOC): 32.0 (ft)

Water Column Height (well depth - DTW): 23.56 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (0.2 Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
10/14/15	1312	00:20	07	840	114

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1310	8.64						
1312	START	100					410
1322	8.66	140	7.05	1420	15.9		
1327	8.66	160	7.06	1406	15.9		
1332	8.66	180	7.06	1399	15.8	10.0	410

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1332	180	7.06	1399	15.8	10.0	410

FIELD COMMENTS

Sample Appearance: —

Odor: NONE

Color: CLEAR / EFFERVESCENT

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 MPH FROM W →

Air Temp: ~65°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.17

ORP (mV) = -101.7

REFILL: 13 SEC

DISCHARGE: 2 SEC @ ~30 PSI

Samples Collected: PURGE WATER EFFERVESCING

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: NEIL A KAROW

Signature: [signature]

Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: DUPLICATE - DMP-#3

WELL DATA

Water-Level Date (MM DD YY): | Water-Level Time (2400 Hr. Clock): | Purge/Sample Method: ___ X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.

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

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-QED 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	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1231	16						
1234	STAT	10					400
1244	15	40	6.72	1858.2	15		
1249	15	60	6.72	1817	15		
1254	16	80	6.72	1872	15	0.81	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1254	80	6.72	1872	15	0.81	400

FIELD COMMENTS

Sample Appearance: — Odor: NONE Color: CLEAR Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph FROM SW Air Temp: ~65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.16

ORP (mV) = +58.3

DUPLICATE - DMP-#3 IS AN EXACT DUPLICATE BY CONTAINER OF MONITORING WELL MP-401A

SEE FIELD SHEET FOR WELL MP-401A FOR WELL DATA AND PURGE INFO.

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Nick A Karan Signature: [signature] Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-238R

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1028 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other)

Well Elevation (at TOC): 9151 (ft/msl)

Depth to Water (DTW) (from TOC): 1833 (ft)

Groundwater Elevation (site datum, from TOC): 896.98 (ft/msl)

Total Well Depth (from TOC): 615.0 (ft)

Water Column Height (well depth - DTW): 431.7 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING, WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters, Gallons) circle one	(PUMP/TUBING, WELL) VOLS PURGED (optional)
10/13/15	1358	00:25	10	65	65

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L, Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1353	1827						
1358	STABILIZE	10					500
1408	1980	50	736	1993	153		100
1413	1991	55	736	1973	168		↓
1418	1994	60	737	1966	166		100
1423	1996	65	736	1957	166	270	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L, Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1423	65	736	957	166	270	100

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear (Effervescent) Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 MPH FROM SW ↗ Air Temp: ~60° F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.46

500 ml/min ORP (mV) = +33.4

REFILL: 12 SEC REFILL: 27 SEC = 100 ml/min

DISCHARGE: 3 SEC @ ~ 40 PSI DISCHARGE: 3 SEC @ ~ 30 PSI

Samples Collected: PURGE WATER EFFERVESCING

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/13/15 Name: Nick A Kacos Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-237

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0945 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 1368 (ft/msl)

Depth to Water (DTW) (from TOC): 117.15 (ft)

Groundwater Elevation (site datum, from TOC): 896.53 (ft/msl)

Total Well Depth (from TOC): 171.10 (ft)

Water Column Height (well depth - DTW): 53.95 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/13/15	1452	06:35	110	140	14

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1451	117.11						
1452	STA 197	100					400
1512	119.10	180	7.83	1119.8	14.3		
1517	119.15	100	7.63	1120.5	14.3		
1522	119.19	120	7.55	1120.4	14.3		400
1527	119.22	140	7.51	1119.6	14.3	13.97	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/13/15	1527	140	7.51	1196	14.3	3.97	400

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 mph FROM SW

Air Temp: ~65°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.16

ORP (mV) = -79.5

REFILL = 12 SEC

DISCHARGE = 3 SEC @ ~45 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
10/13/15	Nick A Kazow	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-241R

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1045 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 9357 (ft/msl)

Depth to Water (DTW) (from TOC): 174.0 (ft)

Groundwater Elevation (site datum, from TOC): 896.17 (ft/msl)

Total Well Depth (from TOC): 604.0 (ft)

Water Column Height (well depth - DTW): 430.0 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	1020	01:00	110	345	345

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1019	1735						1000
1020	STABILIZE	100					
1050	2650	300	8.47	9.28	13.8		1000
1055	2649	308	8.45	9.31	14.4		↓
1100	2648	315	8.41	9.54	14.9		100
1105	2647	323	8.40	9.56	15.0		↓
1110	2645	330	8.02	9.59	15.1		↓
1115	2642	338	7.90	9.58	15.4		100
1120	2639	345	7.83	9.61	15.4	22.7	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1120	345	7.83	9.61	15.4	22.7	100

FIELD COMMENTS

Sample Appearance: —

Odor: NONE

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 MPH FROM SW

Air Temp: ~60°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.26

1000 ml/MIN ORP (mV) = -131.2

REFILL: 10 SEC REFILL: 27 SEC ~100 ml/min

DISCHARGE: 5 SEC @ ~45 PSI DISCHARGE: 3 SEC @ ~30 PSI

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: ___ Signature: ___ Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-22BAR

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1024 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.; X = Other)

Well Elevation (at TOC): 911164 (ft/msl)

Depth to Water (DTW) (from TOC): 1507 (ft)

Groundwater Elevation (site datum, from TOC): 896577 (ft/msl)

Total Well Depth (from TOC): 4030 (ft)

Water Column Height (well depth - DTW): 2523 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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 (Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101415	0758	020	08	80	10

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0715	15.30						400
0758	START	100					400
0808	15.31	140	7.65	157.3	13.3		400
0811	15.31	160	7.66	156.7	13.4		400
0818	15.31	180	7.67	155.5	13.4	18.5	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101415	0818	80	7.67	155.5	13.4	18.5	400

FIELD COMMENTS

Sample Appearance: —

Odor: none

Color: clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: calm

Air Temp: ~45°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05

ORP (mV) = -51.3

Refill: 12 sec

Discharge: 3 sec @ 25 psi

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Chris Gordon

Signature: Chris Gordon

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd.

Sample Point: MP-230A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1017 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols, X = Other)

Well Elevation (at TOC): 9087.5 (ft/msl)

Depth to Water (DTW) (from TOC): 138.9 (ft)

Groundwater Elevation (site datum, from TOC): 894.86 (ft/msl)

Total Well Depth (from TOC): 304.0 (ft)

Water Column Height (well depth - DTW): 165.1 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters or Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	0842	0:58	07	132	189

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L or Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0810	137.2						400
0812	START	10.0					200
0815	156.6	13.2	7.92	1040	14.3		200
0910	154.7	15.2	7.97	1058	14.7		200
0911	158.3	18.2	7.92	1163	14.6		200
0912	159.0	19.2	7.91	1192	14.6		200
0915	159.6	110.2	7.89	1214	14.7		200
0910	160.2	111.2	7.89	1236	14.7		200
0915	160.4	112.2	7.88	1253	14.7		200
0910	160.4	113.2	7.87	1268	14.7	11.4	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L or Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	0940	132	7.87	1268	14.7	11.4	200

FIELD COMMENTS

Sample Appearance: —

Odor: none

Color: clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: calm

Air Temp: ~55°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.16

ORP (mV) = -169.5

Refill: 12 sec

Discharge: 3 sec @ 20 psi

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Chris Gordon

Signature: Chris Gordon

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-232A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1010 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9097.5 (ft/msl)

Depth to Water (DTW) (from TOC): 153.2 (ft)

Groundwater Elevation (site datum, from TOC): 894.3 (ft/msl)

Total Well Depth (from TOC): 357.0 (ft)

Water Column Height (well depth - DTW): 203.8 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	1006	020	07	80	1.4

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1010:16	115.52						
1010:18	START	10.0	—	—	—	—	400
1011:18	115.55	14.0	7.79	1173.0	14.5	—	400
1012:13	115.55	16.0	7.78	1172.7	14.6	—	400
1012:18	115.55	18.0	7.78	1172.2	14.6	11.00	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1028	80	7.78	1172.2	14.6	11.00	400

FIELD COMMENTS

Sample Appearance: — Odor: none Color: clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 mph from SW Air Temp: ~55°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.11

ORP (mV) = -13.7

Refill: 11 sec

Discharge: 4 sec @ 20 ps

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Chris Gordon Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0901 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 913.53 (ft/msl)

Depth to Water (DTW) (from TOC): 11.79 (ft)

Groundwater Elevation (site datum, from TOC): 894.83 (ft/msl)

Total Well Depth (from TOC): 72.60 (ft)

Water Column Height (well depth - DTW): 58.90 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 or Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters or Gallons) circle one	(PUMP/TUBING; WELL) VOLS PURGED (optional)
10/14/15	0840	0020	109	180	88

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L or Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0840	11.83						
0850	11.49	140	7.18	1464	13.9	—	400
0855	11.53	160	7.18	1461	14.0	—	400
0900	11.56	180	7.19	1457	14.0	7.10	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L or Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	0900	180	7.19	1457	14.0	7.10	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/SW Air Temp: 50°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.06

ORP (mV) = -48.2

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281C

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0900 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols, X = Other)

Well Elevation (at TOC): 914.12 (ft/msl)

Depth to Water (DTW) (from TOC): 19.40 (ft)

Groundwater Elevation (site datum, from TOC): 894.72 (ft/msl)

Total Well Depth (from TOC): 62.80 (ft)

Water Column Height (well depth - DTW): 43.40 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters: Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	0800	0020	1109	1140	18

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0810	19.52						
0810	19.70	140	6.99	1141	13.5	—	400
0815	19.72	160	6.98	1139	13.4	—	400
0820	19.74	180	7.00	1136	13.4	0.78	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	0820	180	7.00	1136	13.4	0.78	400

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/SW Air Temp: 45°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.22

ORP (mV) = -22.8

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
10/14/15	Nelson Novak	Nelson Novak	Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-251A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 1800 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 911514 (ft/msl)

Depth to Water (DTW) (from TOC): 15499 (ft)

Groundwater Elevation (site datum, from TOC): 906605 (ft/msl)

Total Well Depth (from TOC): 14040 (ft)

Water Column Height (well depth - DTW): 34911 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101415	1140	0020	108	160	7.5

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1140	15.52						
1150	16.29	1.40	7.88	1869	15.1	—	400
1155	16.28	1.50	7.88	1869	15.1	—	200
1200	16.31	1.60	7.87	1869	15.2	2.11	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101415	1200	1.60	7.87	1869	15.2	2.11	200

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 60°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05

ORP (mV) = -122.0

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Deborah Novak

Signature: Deborah Novak

Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-279

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0943 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 910.36 (ft/msl)

Depth to Water (DTW) (from TOC): 11.69 (ft)

Groundwater Elevation (site datum, from TDC): 899.67 (ft/msl)

Total Well Depth (from TOC): 102.00 (ft)

Water Column Height (well depth - DTW): 91.11 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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

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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
101415	1100	0020	113	160	4.6

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1100	10.53						
1110	12.44	1.40	7.10	710.6	15.0	—	400
1115	12.42	1.50	7.11	669.4	15.1	—	200
1120	12.40	1.60	7.13	669.4	15.0	3.40	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101415	1120	1.60	7.13	669.4	15.0	3.40	200

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W Air Temp: 55°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.05

ORP (mV) = -52.6

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15 Name: Nelson Novak Signature: [signature] Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-274

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0908 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols, X = Other)

Well Elevation (at TOC): 922.0 (ft/msl)

Depth to Water (DTW) (from TOC): 17.39 (ft)

Groundwater Elevation (site datum, from TOC): 894.81 (ft/msl)

Total Well Depth (from TOC): 75.50 (ft)

Water Column Height (well depth - DTW): 58.11 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
10/14/15	1027	0020	—	60	54

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1017	17.50						
1027	18.22	40	7.47	1.140	14.3	—	400
1032	18.23	50	7.49	1.142	14.3	—	200
1037	18.25	60	7.49	1.143	14.4	14.1	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
10/14/15	1037	60	7.49	1.143	14.4	14.1	200

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 SW

Air Temp: 50°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.09

ORP (mV) = -76.6

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Nelson Novak

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-274A

WELL DATA

Water-Level Date: 10/12/15 (MM DD YY)

Water-Level Time: 0909 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 912.78 (ft/msl)

Depth to Water (DTW) (from TOC): 118.19 (ft)

Groundwater Elevation (site datum, from TOC): 894.63 (ft/msl)

Total Well Depth (from TOC): 327.0 (ft)

Water Column Height (well depth - DTW): 145.2 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml); B-P110M (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	ACTUAL VOL PURGED (L: Liters; Gallons) circle one	(PUMP/TUBING: WELL) VOLS PURGED (optional)
101415	0920	0040	107	1160	228

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0919:20	118.32						
0919:50	118.47	112.0	6.86	1143.2	13.9	—	400
0915:5	118.48	114.0	6.87	1143.2	13.9	—	400
1010:00	118.48	116.0	6.86	1143.1	14.0	2.38	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
101415	1000	160	6.86	1143.1	14.0	2.38	400

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/SW

Air Temp: 50°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.01

ORP (mV) = -15.7

Samples Collected:

DMP VOCs/Diss. Metals, TOC, PCBs, Alkalinity, Cl, SO_4

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 10/14/15

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagan & Associates, Inc.

EA-100 R: 4/10

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): Nelson Novak

pH Meter(s): Make/Model/Serial No: INSITU/SMARTROLL/ 410081

Buffer Brand/Expiration: pH 4 IE 4/22/17 ; pH 7 2/7/16 ; pH 10 IE 12/12/16

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)
10/12/15	1149	calibrate	4.00	7.00	10.00	19.02
10/13/15	0716	calibrate	4.00	7.01	10.02	20.40
10/13/15	1228	calibrate	4.00	7.00	10.04	18.20
10/14/15	0715	calibrate	4.00	7.02	10.06	16.52
10/14/15	1231	calibrate	4.00	7.02	10.00	17.85

Conductivity/Temp. Meter(s): Make/Model/Serial No: INSITU/SMARTROLL/410081

Cond. Solution Brand/Expiration: IE 7/20/16 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/12/15	1209	calibrate	1413	19.18	
10/13/15	0728	calibrate	1413	19.46	
10/13/15	1238	calibrate	1413	18.27	
10/14/15	0735	calibrate	1413	17.01	
10/14/15	1245	calibrate	1413	17.96	

Turbidity Meter(s): Make/Model/Serial No.: HACH/2100Q/13060C041837

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/12/15	1212	check	10.00	10.1	
10/13/15	0702	check	10.0	9.89	
10/14/15	0730	check	10.0		

Sampler (Name): Nelson Novak Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): Nelson Novak

D.O. Meter(s): Make/Model/Serial No: INSITU/SMARTROLL/410081

Zero-O_2 Solution Brand/Expiration: /

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/12/15	1140	calibrate	sat. air	10.04	0.04	19.16
10/13/15	0741	Calibrate	sat.air	9.85	0.02	19.92
10/12/15	0743	calibrate	sat.air	10.12	0.01	17.06

O.R.P. Meter(s): Make/Model/Serial No: INSITU / SMARTROLL/410081

Solution Brand/Expiration: HORIBA/ Solution Value (@ 25 °C): 89.0

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
10/12/15	1124	calibrate	95.0@20.0°c	95.0	18.97	
10/13/15	0735	Calibrate	95.0@20°c	95.0	20.04	
10/12/15	0726	calibrate	101.0@15°c	101.0	16.65	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Nelson Novak Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

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FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): Andrew Graham

pH Meter(s): Make/Model/Serial No: YSI Pro Plus / 15H104249

Buffer Brand/Expiration: pH 4 IE / 4-22-17 ; pH 7 IE / 2-7-16 ; pH 10 IE / 12-12-15

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)
10/12/15	1624	Calibrate	—	7.01	9.98	21.0
10/13/15	0816	Calibrate	—	7.03	9.98	20.8
10/14/15	0956	Calibrate	—	7.02	9.99	17.2

Conductivity/Temp. Meter(s): Make/Model/Serial No: YSI Pro Plus / 15H104249

Cond. Solution Brand/Expiration: IE / 7-20-16 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/12/15	1618	Calibrate	1414	20.8	
10/13/15	0810	Calibrate	1414	20.6	
10/14/15	0953	Calibrate	1415	17.1	

Turbidity Meter(s): Make/Model/Serial No.: HACH 2100P / 010030002 8087

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/12/15	1600	Check	48.7	48.3	
10/13/15	0749	check	48.7	48.9	
	0949	Check	48.7	47.7	

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

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FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): A. GRAHAM

D.O. Meter(s): Make/Model/Serial No: YSI Pro Plus / 15H104249

Zero-O_2 Solution Brand/Expiration: EMD / NA

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/12/15	1554	Calibrate	H_2O-sat. air	95.7 : 8.15	0.18	23.2
10/13/15	0805	Calibrate	H_2O-sat. air	95.8 : 8.85	0.23	20.7
10/14/15	0946	Calibrate	H_2O-sat. air	96.7 : 9.50	0.21	16.2

O.R.P. Meter(s): Make/Model/Serial No: YSI Pro Plus / 15H104249

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:
10/12/15	1629	Calibrate	+89.0	+93.1	21.9	
10/13/15	0821	Calibrate	+89.0	+97.0	18.6	
10/14/15	1032	Calibrate	+89.0	+99.1	16.9	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

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FIELD METER CALIBRATION RECORD

Project Name: CECOS Sampler(s): C. Gordon, N. Kaow, N. Novak, A. Graham, R. Hensel

pH Meter(s): Make/Model/Serial No: In-situ / Smarttroll MP / B21351B

Buffer Brand/Expiration: pH 4 IE / 4-22-17 ; pH 7 IE / 2-7-16 ; pH 10 IE / 12-12-15

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)
10/12/15	1105	Calibrate	4.00	7.00	10.00	16.81
10/13/15	0729	Calibrate	4.00	7.00	10.01	20.55
10/13/15	12:30	Calibrate	4.00	7.00	9.95	17.87
10/14/15	07:24	Calibrate	4.00	7.02	9.98	17.15
10/14/15	12:21	Calibrate	4.00	7.02	10.00	17.12

Conductivity/Temp. Meter(s): Make/Model/Serial No: In-situ / Smarttroll MP / B21351B

Cond. Solution Brand/Expiration: IE / 7-20-16 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/12/15	1205	Calibrate	1413	18.68	
10/13/15	0732	Calibrate	1413	20.37	
10/13/15	1233	Calibrate	1411	18.41	
10/14/15	0726	Calibrate	1413	17.25	
10/14/15	1224	Calibrate	1412	17.12	

Turbidity Meter(s): Make/Model/Serial No.: ~~In-situ / Smarttroll MP / 15213~~ HACH / 2100P / 09080C037615

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/12/15	12:00	Check	5.10	5.16	
10/13/15	0734	Check	5.10	5.12	
10/13/15	1232	Check	5.10	5.12	
10/14/15	08:06	Check	5.10	5.15	
10/14/15	12:26	Check	5.10	5.13	

Sampler (Name): Chris Gordon Sampler (Signature): Chris Gordon

FIELD METER CALIBRATION RECORD

Project Name: CECOS- Aber Rd. Sampler(s): C Gordon, N. Karow, N. Nosek, A. Graham, R. Hansel

D.O. Meter(s): Make/Model/Serial No: In-situ / Smartroll MP / B213513

Solution Brand/Expiration: NA

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/12/15	1146	Calibrate	Sat Air	9.97	0.00	18.99
10/13/15	0739	Calibrate	Sat. Air	100.2 ; 8.93	0.02	19.44
10/14/15	0736	Calibrate	Sat. Air	100.1 ; 9.61	0.02	16.51

O.R.P. Meter(s): Make/Model/Serial No: In-situ / Smartroll MP / B213513

Solution Brand/Expiration: Horiba / NA Solution Value (@ 25 °C): 89.0

Date	Time	Calibrate/Check	ORP Standard (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
10/12/15	1215	Calibrate	95.0 @ 20°C	95.0	19.02	
10/13/15	0738	Calibrate	95.0° @ 20°C	95.2	20.06	
10/14/15	0735	Calibrate	101.8 @ 15°C	101.4	16.76	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Chris Gordon Sampler (Signature): Chris Gordon

FIELD METER CALIBRATION RECORD

Project Name: CELOS Sampler(s): N KAROW

pH Meter(s): Make/Model/Serial No: IN SITU AQUATROLL S/N 352190

Buffer Brand/Expiration: pH 4 EE 4/22/17 ; pH 7 EE 2/7/16 ; pH 10 EE 12/12/15

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)
10/12/15	1157	CALIBRATE	4.00	7.00	10.00	18.78
10/13/15	0715	CALIBRATE	4.00	7.00	10.00	19.57
10/13/15	1232	CALIBRATE	4.00	7.00	10.05	18.08
10/14/15	0727	Calibrate	4.00	7.02	10.00	16.73
10/14/15	1217	CALIBRATE	4.00	7.02	10.08	17.19

Conductivity/Temp. Meter(s): Make/Model/Serial No: IN SITU AQUATROLL S/N 352190

Cond. Solution Brand/Expiration: EE. 7/20/16 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
10/12/15	1202	CALIBRATE	1412	18.55	
10/13/15	0723	CALIBRATE	1414	19.81	
10/13/15	1241	CALIBRATE	1413	18.07	
10/14/15	0733	Calibrate	1413	17.17	
10/14/15	1218	CALIBRATE	1413	17.12	

Turbidity Meter(s): Make/Model/Serial No.: HACH 2100Q S/N 14110C037172

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
10/12/15	1200	CHECK	6.05	6.11	
10/13/15	0718	CHECK	6.05	6.03	
10/13/15	1243	CHECK	6.05	6.07	
10/14/15	0735	Check	6.05	6.09	
10/14/15	1206	CHECK	6.05	6.13	

Sampler (Name): NICK A KAROW Sampler (Signature): [signature]

FIELD METER CALIBRATION RECORD

Project Name: LECOS Sampler(s): N KAROW

D.O. Meter(s): Make/Model/Serial No: IN SITU AQUATROLL S/N 352190

Solution Brand/Expiration: IN / NA

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
10/12/15	1147	CALIBRATE	Sat air	10.09	0.01	19.05
10/13/15	0735	CALIBRATE	SAT AIR	10.22	0.00	19.27
10/14/15	0737	CALIBRATE	SAT AIR	10.01	0.02	16.53

O.R.P. Meter(s): Make/Model/Serial No: IN SITU AQUATROLL 352190

Solution Brand/Expiration: HORIBA / NA Solution Value (@ 25 °C): 84

Date	Time	Calibrate/Check	ORP Standard (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
10/12/15	1202	CALIBRATE	95.0 @ 20°C	95.6	18.89	
10/13/15	0734	CALIBRATE	95.0 @ 20°C	95.8	19.76	
10/14/15	0735	Calibrate	101.0 @ 15°C	100.8	16.73	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:
10/12/15					

Sampler (Name): NICK A KAROW Sampler (Signature): [signature]

APPENDIX B.

LABORATORY DATA REPORT, FIELD INFORMATION FORMS, CHAIN-OF-CUSTODY RECORDS, AND FIELD METER CALIBRATION RECORDS FOR THE DECEMBER 2015 SUPPLEMENTAL SAMPLING EVENT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-92936-1
Client Project/Site: Aber Rd. Landfill - DMP Groundwater

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

Attn: Mr. Dan Deborde

Authorized for release by:
12/30/2015 4:33:17 PM

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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
12/30/2015 4:33:17 PM

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Definitions/Glossary

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

TestAmerica Job ID: 480-92936-1

Qualifiers

Metals

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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)

Job ID: 480-92936-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92936-1

Comments
No additional comments.

Receipt
The samples were received on 12/18/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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 - DMP Groundwater

TestAmerica Job ID: 480-92936-1

Client Sample ID: MP-280

Date Collected: 12/17/15 12:44
Date Received: 12/18/15 09:45

Lab Sample ID: 480-92936-1

Matrix: Water

Method: 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			12/23/15 16:47	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			12/23/15 16:47	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			12/23/15 16:47	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			12/23/15 16:47	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			12/23/15 16:47	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			12/23/15 16:47	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			12/23/15 16:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/15 16:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/15 16:47	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			12/23/15 16:47	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			12/23/15 16:47	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			12/23/15 16:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/15 16:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/15 16:47	1
1,4-Dioxane	ND		40	9.3	ug/L			12/23/15 16:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/15 16:47	1
Chloroprene	ND		2.0	0.49	ug/L			12/23/15 16:47	1
2-Hexanone	ND		10	1.2	ug/L			12/23/15 16:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			12/23/15 16:47	1
Acetone	ND		10	3.0	ug/L			12/23/15 16:47	1
Acetonitrile	ND		170	4.9	ug/L			12/23/15 16:47	1
Acrolein	ND		20	0.91	ug/L			12/23/15 16:47	1
Acrylonitrile	ND		20	0.83	ug/L			12/23/15 16:47	1
Benzene	ND		2.0	0.41	ug/L			12/23/15 16:47	1
Bromoform	ND		2.0	0.26	ug/L			12/23/15 16:47	1
Bromomethane	ND		2.0	0.69	ug/L			12/23/15 16:47	1
Carbon disulfide	ND		2.0	0.19	ug/L			12/23/15 16:47	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			12/23/15 16:47	1
Chlorobenzene	ND		2.0	0.75	ug/L			12/23/15 16:47	1
Dibromochloromethane	ND		2.0	0.32	ug/L			12/23/15 16:47	1
Chloroethane	ND		2.0	0.32	ug/L			12/23/15 16:47	1
Chloroform	ND		2.0	0.34	ug/L			12/23/15 16:47	1
Chloromethane	ND		2.0	0.35	ug/L			12/23/15 16:47	1
Dibromomethane	ND		2.0	0.41	ug/L			12/23/15 16:47	1
Bromodichloromethane	ND		2.0	0.39	ug/L			12/23/15 16:47	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			12/23/15 16:47	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			12/23/15 16:47	1
Ethylbenzene	ND		2.0	0.74	ug/L			12/23/15 16:47	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			12/23/15 16:47	1
Iodomethane	ND		2.0	0.30	ug/L			12/23/15 16:47	1
Isobutyl alcohol	ND		1000	4.8	ug/L			12/23/15 16:47	1
Methacrylonitrile	ND		10	0.69	ug/L			12/23/15 16:47	1
Methyl methacrylate	ND		10	0.61	ug/L			12/23/15 16:47	1
Methylene Chloride	ND		2.0	0.44	ug/L			12/23/15 16:47	1
Naphthalene	ND		1.0	0.43	ug/L			12/23/15 16:47	1
Pentachloroethane	ND		1.0	0.34	ug/L			12/23/15 16:47	1
Propionitrile	ND		50	5.8	ug/L			12/23/15 16:47	1
Tetrachloroethene	ND		2.0	0.36	ug/L			12/23/15 16:47	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			12/23/15 16:47	1

Client Sample ID: MP-280

Lab Sample ID: 480-92936-1

Date Collected: 12/17/15 12:44

Matrix: Water

Date Received: 12/18/15 09:45

Method: 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			12/23/15 16:47	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			12/23/15 16:47	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			12/23/15 16:47	1
Trichloroethene	ND		2.0	0.46	ug/L			12/23/15 16:47	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			12/23/15 16:47	1
Vinyl acetate	ND		10	0.85	ug/L			12/23/15 16:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/15 16:47	1
Xylenes, Total	ND		3.0	0.66	ug/L			12/23/15 16:47	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			12/23/15 16:47	1
Styrene	ND		2.0	0.73	ug/L			12/23/15 16:47	1
Allyl chloride	ND		2.0	0.44	ug/L			12/23/15 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*86 - 118*		*12/23/15 16:47*	*1*
4-Bromofluorobenzene (Surr)	*100*		*86 - 115*		*12/23/15 16:47*	*1*
Toluene-d8 (Surr)	*98*		*88 - 110*		*12/23/15 16:47*	*1*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.55**				SU			12/17/15 12:44	1
Field Conductivity	**1366**				umhos/cm			12/17/15 12:44	1
Field Temperature	**12.6**				Degrees C			12/17/15 12:44	1
Field Turbidity	**3.26**				NTU			12/17/15 12:44	1

Client Sample Results

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

TestAmerica Job ID: 480-92936-1

Client Sample ID: MP-234R

Date Collected: 12/17/15 11:57
Date Received: 12/18/15 09:45

Lab Sample ID: 480-92936-2

Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.052**		0.0020	0.00070	mg/L		12/21/15 11:30	12/22/15 10:11	1
Calcium, Dissolved	**173**		0.10	0.10	mg/L		12/21/15 11:30	12/22/15 10:11	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		12/21/15 11:30	12/22/15 10:11	1
Magnesium, Dissolved	**99.1**		0.20	0.043	mg/L		12/21/15 11:30	12/22/15 10:11	1
Potassium, Dissolved	**17.5**		0.50	0.10	mg/L		12/21/15 11:30	12/22/15 10:11	1
Sodium, Dissolved	**565**		0.90	0.32	mg/L		12/21/15 11:30	12/22/15 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0092**		0.0010	0.00027	mg/L		12/23/15 07:50	12/23/15 18:59	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		12/23/15 07:50	12/23/15 18:59	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		12/23/15 07:50	12/23/15 18:59	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		12/23/15 07:50	12/23/15 18:59	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		12/23/15 07:50	12/23/15 18:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.32**				SU			12/17/15 11:57	1
Field Conductivity	**4870**				umhos/cm			12/17/15 11:57	1
Field Temperature	**12.3**				Degrees C			12/17/15 11:57	1
Field Turbidity	**3.91**				NTU			12/17/15 11:57	1

Client Sample Results

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

TestAmerica Job ID: 480-92936-1

Client Sample ID: MP-234AR

Date Collected: 12/17/15 11:24
Date Received: 12/18/15 09:45

Lab Sample ID: 480-92936-3

Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.010**		0.0020	0.00070	mg/L		12/21/15 11:30	12/22/15 10:15	1
Calcium, Dissolved	**351**		0.10	0.10	mg/L		12/21/15 11:30	12/22/15 10:15	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		12/21/15 11:30	12/22/15 10:15	1
Magnesium, Dissolved	**165**		0.20	0.043	mg/L		12/21/15 11:30	12/22/15 10:15	1
Potassium, Dissolved	**5.0**		0.50	0.10	mg/L		12/21/15 11:30	12/22/15 10:15	1
Sodium, Dissolved	**118**		0.90	0.32	mg/L		12/21/15 11:30	12/22/15 10:15	1

Method: 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		12/23/15 07:50	12/23/15 19:05	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		12/23/15 07:50	12/23/15 19:05	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		12/23/15 07:50	12/23/15 19:05	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		12/23/15 07:50	12/23/15 19:05	1
Selenium, Dissolved	**0.00046**	**J**	0.015	0.00044	mg/L		12/23/15 07:50	12/23/15 19:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.96**				SU			12/17/15 11:24	1
Field Conductivity	**2670**				umhos/cm			12/17/15 11:24	1
Field Temperature	**13.2**				Degrees C			12/17/15 11:24	1
Field Turbidity	**6.06**				NTU			12/17/15 11:24	1

Surrogate Summary

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

TestAmerica Job ID: 480-92936-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	**Client Sample ID**	**(86-118)**	**(86-115)**	**(88-110)**
480-92936-1	MP-280	97	100	98
LCS 480-281283/5	Lab Control Sample	94	102	97
MB 480-281283/7	Method Blank	93	104	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-281283/7
Matrix: Water
Analysis Batch: 281283

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			12/23/15 14:29	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			12/23/15 14:29	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			12/23/15 14:29	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			12/23/15 14:29	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			12/23/15 14:29	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			12/23/15 14:29	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			12/23/15 14:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/15 14:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/15 14:29	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			12/23/15 14:29	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			12/23/15 14:29	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			12/23/15 14:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/15 14:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/15 14:29	1
1,4-Dioxane	ND		40	9.3	ug/L			12/23/15 14:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/15 14:29	1
Chloroprene	ND		2.0	0.49	ug/L			12/23/15 14:29	1
2-Hexanone	ND		10	1.2	ug/L			12/23/15 14:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			12/23/15 14:29	1
Acetone	ND		10	3.0	ug/L			12/23/15 14:29	1
Acetonitrile	ND		170	4.9	ug/L			12/23/15 14:29	1
Acrolein	ND		20	0.91	ug/L			12/23/15 14:29	1
Acrylonitrile	ND		20	0.83	ug/L			12/23/15 14:29	1
Benzene	ND		2.0	0.41	ug/L			12/23/15 14:29	1
Bromoform	ND		2.0	0.26	ug/L			12/23/15 14:29	1
Bromomethane	ND		2.0	0.69	ug/L			12/23/15 14:29	1
Carbon disulfide	ND		2.0	0.19	ug/L			12/23/15 14:29	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			12/23/15 14:29	1
Chlorobenzene	ND		2.0	0.75	ug/L			12/23/15 14:29	1
Dibromochloromethane	ND		2.0	0.32	ug/L			12/23/15 14:29	1
Chloroethane	ND		2.0	0.32	ug/L			12/23/15 14:29	1
Chloroform	ND		2.0	0.34	ug/L			12/23/15 14:29	1
Chloromethane	ND		2.0	0.35	ug/L			12/23/15 14:29	1
Dibromomethane	ND		2.0	0.41	ug/L			12/23/15 14:29	1
Bromodichloromethane	ND		2.0	0.39	ug/L			12/23/15 14:29	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			12/23/15 14:29	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			12/23/15 14:29	1
Ethylbenzene	ND		2.0	0.74	ug/L			12/23/15 14:29	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			12/23/15 14:29	1
Iodomethane	ND		2.0	0.30	ug/L			12/23/15 14:29	1
Isobutyl alcohol	ND		1000	4.8	ug/L			12/23/15 14:29	1
Methacrylonitrile	ND		10	0.69	ug/L			12/23/15 14:29	1
Methyl methacrylate	ND		10	0.61	ug/L			12/23/15 14:29	1
Methylene Chloride	ND		2.0	0.44	ug/L			12/23/15 14:29	1
Naphthalene	ND		1.0	0.43	ug/L			12/23/15 14:29	1
Pentachloroethane	ND		1.0	0.34	ug/L			12/23/15 14:29	1
Propionitrile	ND		50	5.8	ug/L			12/23/15 14:29	1
Tetrachloroethene	ND		2.0	0.36	ug/L			12/23/15 14:29	1

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

Lab Sample ID: MB 480-281283/7
Matrix: Water
Analysis Batch: 281283

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			12/23/15 14:29	1
Toluene	ND		2.0	0.51	ug/L			12/23/15 14:29	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			12/23/15 14:29	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			12/23/15 14:29	1
Trichloroethene	ND		2.0	0.46	ug/L			12/23/15 14:29	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			12/23/15 14:29	1
Vinyl acetate	ND		10	0.85	ug/L			12/23/15 14:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/15 14:29	1
Xylenes, Total	ND		3.0	0.66	ug/L			12/23/15 14:29	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			12/23/15 14:29	1
Styrene	ND		2.0	0.73	ug/L			12/23/15 14:29	1
Allyl chloride	ND		2.0	0.44	ug/L			12/23/15 14:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*86 - 118*		*12/27/13 14:29*	*1*
4-Bromofluorobenzene (Surr)	*1: 4*		*86 - 113*		*12/27/13 14:29*	*1*
Toluene-d8 (Surr)	*90*		*88 - 11:*		*12/27/13 14:29*	*1*

Lab Sample ID: LCS 480-281283/5
Matrix: Water
Analysis Batch: 281283

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	23.5		ug/L		94	72 - 127
Benzene	25.0	23.5		ug/L		94	78 - 124
Chlorobenzene	25.0	24.1		ug/L		96	78 - 124
Toluene	25.0	23.6		ug/L		94	77 - 123
Trichloroethene	25.0	23.9		ug/L		96	75 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*86 - 118*
4-Bromofluorobenzene (Surr)	*1: 2*		*86 - 113*
Toluene-d8 (Surr)	*90*		*88 - 11:*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-280805/1-A
Matrix: Water
Analysis Batch: 281206

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 280805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		12/21/15 11:30	12/22/15 08:43	1
Calcium, Dissolved	ND		0.10	0.10	mg/L		12/21/15 11:30	12/22/15 08:43	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		12/21/15 11:30	12/22/15 08:43	1
Magnesium, Dissolved	ND		0.20	0.043	mg/L		12/21/15 11:30	12/22/15 08:43	1
Potassium, Dissolved	ND		0.50	0.10	mg/L		12/21/15 11:30	12/22/15 08:43	1
Sodium, Dissolved	ND		0.90	0.32	mg/L		12/21/15 11:30	12/22/15 08:43	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-280805/2-A
Matrix: Water
Analysis Batch: 281206

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 280805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.200	0.205		mg/L		103	80 - 120
Calcium, Dissolved	10.0	9.77		mg/L		98	80 - 120
Chromium, Dissolved	0.200	0.210		mg/L		105	80 - 120
Magnesium, Dissolved	10.0	10.22		mg/L		102	80 - 120
Potassium, Dissolved	10.0	9.83		mg/L		98	80 - 120
Sodium, Dissolved	10.0	10.22		mg/L		102	80 - 120

Lab Sample ID: LCSD 480-280805/3-A
Matrix: Water
Analysis Batch: 281206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 280805

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.200	0.202		mg/L		101	80 - 120	2	20
Calcium, Dissolved	10.0	9.55		mg/L		96	80 - 120	2	20
Chromium, Dissolved	0.200	0.207		mg/L		104	80 - 120	1	20
Magnesium, Dissolved	10.0	10.02		mg/L		100	80 - 120	2	20
Potassium, Dissolved	10.0	9.59		mg/L		96	80 - 120	2	20
Sodium, Dissolved	10.0	10.05		mg/L		100	80 - 120	2	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-281139/1-A
Matrix: Water
Analysis Batch: 281420

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 281139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		12/23/15 07:50	12/23/15 18:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		12/23/15 07:50	12/23/15 18:48	1
Lead, Dissolved	ND		0.0050	0.000069	mg/L		12/23/15 07:50	12/23/15 18:48	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		12/23/15 07:50	12/23/15 18:48	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		12/23/15 07:50	12/23/15 18:48	1

Lab Sample ID: LCS 480-281139/2-A
Matrix: Water
Analysis Batch: 281420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 281139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0196		mg/L		98	80 - 120
Cadmium, Dissolved	0.0200	0.0211		mg/L		106	80 - 120
Lead, Dissolved	0.0200	0.0203		mg/L		101	80 - 120
Silver, Dissolved	0.0200	0.0214		mg/L		107	80 - 120
Selenium, Dissolved	0.0200	0.0201		mg/L		100	80 - 120

Lab Sample ID: 480-92936-3 MS
Matrix: Water
Analysis Batch: 281420

Client Sample ID: MP-234AR
Prep Type: Dissolved
Prep Batch: 281139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0040		0.0200	0.0243		mg/L		101	75 - 125

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-92936-3 MS — **Client Sample ID: MP-234AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 281420 — **Prep Batch: 281139**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium, Dissolved	ND		0.0200	0.0210		mg/L		105	75 - 125
Lead, Dissolved	ND		0.0200	0.0191		mg/L		95	75 - 125
Silver, Dissolved	ND		0.0200	0.0196		mg/L		98	75 - 125
Selenium, Dissolved	0.00046	J	0.0200	0.0227		mg/L		111	75 - 125

Lab Sample ID: 480-92936-3 MSD — **Client Sample ID: MP-234AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 281420 — **Prep Batch: 281139**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0040		0.0200	0.0254		mg/L		107	75 - 125	5	20
Cadmium, Dissolved	ND		0.0200	0.0207		mg/L		103	75 - 125	2	20
Lead, Dissolved	ND		0.0200	0.0202		mg/L		101	75 - 125	6	20
Silver, Dissolved	ND		0.0200	0.0197		mg/L		98	75 - 125	0	20
Selenium, Dissolved	0.00046	J	0.0200	0.0238		mg/L		116	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-280738/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 280956 — **Prep Batch: 280738**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		12/21/15 08:40	12/21/15 15:06	1

Lab Sample ID: LCS 480-280738/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 280956 — **Prep Batch: 280738**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00690		mg/L		103	80 - 120

QC Association Summary

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

TestAmerica Job ID: 480-92936-1

GC/MS VOA

Analysis Batch: 281283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-1	MP-280	Total/NA	Water	8260C	
LCS 480-281283/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-281283/7	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 280738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-2	MP-234R	Dissolved	Water	7470A	
480-92936-3	MP-234AR	Dissolved	Water	7470A	
LCS 480-280738/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-280738/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 280805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-2	MP-234R	Dissolved	Water	3005A	
480-92936-3	MP-234AR	Dissolved	Water	3005A	
LCS 480-280805/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 480-280805/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 480-280805/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 280956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-2	MP-234R	Dissolved	Water	7470A	280738
480-92936-3	MP-234AR	Dissolved	Water	7470A	280738
LCS 480-280738/2-A	Lab Control Sample	Total/NA	Water	7470A	280738
MB 480-280738/1-A	Method Blank	Total/NA	Water	7470A	280738

Prep Batch: 281139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-2	MP-234R	Dissolved	Water	3020A	
480-92936-3	MP-234AR	Dissolved	Water	3020A	
480-92936-3 MS	MP-234AR	Dissolved	Water	3020A	
480-92936-3 MSD	MP-234AR	Dissolved	Water	3020A	
LCS 480-281139/2-A	Lab Control Sample	Total/NA	Water	3020A	
MB 480-281139/1-A	Method Blank	Total/NA	Water	3020A	

Analysis Batch: 281206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-2	MP-234R	Dissolved	Water	6010C	280805
480-92936-3	MP-234AR	Dissolved	Water	6010C	280805
LCS 480-280805/2-A	Lab Control Sample	Total Recoverable	Water	6010C	280805
LCSD 480-280805/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010C	280805
MB 480-280805/1-A	Method Blank	Total Recoverable	Water	6010C	280805

Analysis Batch: 281420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-2	MP-234R	Dissolved	Water	6020A	281139
480-92936-3	MP-234AR	Dissolved	Water	6020A	281139
480-92936-3 MS	MP-234AR	Dissolved	Water	6020A	281139

Metals (Continued)

Analysis Batch: 281420 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-3 MSD	MP-234AR	Dissolved	Water	6020A	281139
LCS 480-281139/2-A	Lab Control Sample	Total/NA	Water	6020A	281139
MB 480-281139/1-A	Method Blank	Total/NA	Water	6020A	281139

Field Service / Mobile Lab

Analysis Batch: 281846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92936-1	MP-280	Total/NA	Water	Field Sampling	
480-92936-2	MP-234R	Total/NA	Water	Field Sampling	
480-92936-3	MP-234AR	Total/NA	Water	Field Sampling	

Lab Chronicle

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

TestAmerica Job ID: 480-92936-1

Client Sample ID: MP-280
Date Collected: 12/17/15 12:44
Date Received: 12/18/15 09:45

Lab Sample ID: 480-92936-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	281283	12/23/15 16:47	SWO	TAL BUF
Total/NA	Analysis	Field Sampling		1	281846	12/17/15 12:44	FLD	TAL BUF

Client Sample ID: MP-234R
Date Collected: 12/17/15 11:57
Date Received: 12/18/15 09:45

Lab Sample ID: 480-92936-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			280805	12/21/15 11:30	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	281206	12/22/15 10:11	AMH	TAL BUF
Dissolved	Prep	3020A			281139	12/23/15 07:50	CMM	TAL BUF
Dissolved	Analysis	6020A		1	281420	12/23/15 18:59	JRK	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:49	TAS	TAL BUF
Total/NA	Analysis	Field Sampling		1	281846	12/17/15 11:57	FLD	TAL BUF

Client Sample ID: MP-234AR
Date Collected: 12/17/15 11:24
Date Received: 12/18/15 09:45

Lab Sample ID: 480-92936-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			280805	12/21/15 11:30	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	281206	12/22/15 10:15	AMH	TAL BUF
Dissolved	Prep	3020A			281139	12/23/15 07:50	CMM	TAL BUF
Dissolved	Analysis	6020A		1	281420	12/23/15 19:05	JRK	TAL BUF
Dissolved	Prep	7470A			280738	12/21/15 08:40	TAS	TAL BUF
Dissolved	Analysis	7470A		1	280956	12/21/15 15:51	TAS	TAL BUF
Total/NA	Analysis	Field Sampling		1	281846	12/17/15 11:24	FLD	TAL BUF

Laboratory References:
TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

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

TestAmerica Job ID: 480-92936-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-92936-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
6020A	Metals (ICP/MS)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
Field Sampling	Field Sampling	EPA	TAL 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:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

TestAmerica Job ID: 480-92936-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92936-1	MP-280	Water	12/17/15 12:44	12/18/15 09:45
480-92936-2	MP-234R	Water	12/17/15 11:57	12/18/15 09:45
480-92936-3	MP-234AR	Water	12/17/15 11:24	12/18/15 09:45

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP w/ TSCA parameters

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 12/17/15	COC No: —
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA - Cols.	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Semiannual Sampling w/ TSCA params.	☒ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)*		VOCs (8260C)	Diss. Metals (6010C, 6020A, 7470A)	Diss. Metals (Ca, Mg, K, Na)								* - only metals bottles field filtered								Notes:
MP-280*	12/17/15	1244	Grab	GW	3	N		X																		
MP-234R	12/17/15	1157	GRAB	GW	1	Y			X	X																
MP-234AR	12/17/15	1124	GRAB	GW	1	Y			X	X																
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= None								2	2	4	2	6		4	6											All samples preserved on ice

480-92936 Chain of Custody

Columbus 240507

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

* VOCs UNPRESERVED

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.6 Corr'd: _____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Ryan Humph	Eagon & Associates, Inc.	12/17/15 1512	[illegible]	TA	12.17.15 1512
[illegible]	TA	12.17.15 1700	[illegible]	[illegible]	12/18/15 0945
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-92936-1

Login Number: 92936
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica 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.	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
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	

Detection Limit Exceptions Summary

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

TestAmerica Job ID: 480-92936-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great 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 procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
6010C	Water	Calcium, Dissolved	mg/L	0.10	0.50
6010C	Water	Sodium, Dissolved	mg/L	0.90	1.0

FIELD INFORMATION FORM

Site Name: CELOS - ABOR RD

Sample Point: MP-280

WELL DATA

Water-Level Date: 12/17/15 (MM DD YY)

Water-Level Time: 12:10 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, X = Other, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9124.9 (ft/msl)

Depth to Water (DTW) (from TOC): 14.81 (ft)

Groundwater Elevation (site datum, from TOC): 897.68 (ft/msl)

Total Well Depth (from TOC): 107.40 (ft)

Water Column Height (well depth - DTW): 92.59 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Liters: Gal) IN (PUMP/TUBING: WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters: Gallons) circle one	(PUMP/TUBING: WELL) VOLS PURGED (optional)
12/17/15	1214	00:30	14	100	7/4

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1210	1481						
1214	START	100					400
1234	2476	80	750	1371	125		200
1239	2483	90	753	1363	126		↓
1244	2487	100	755	1366	126	326	↓

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
12/17/15	1244	100	755	1366	126	326	200

Sample Appearance: —

Odor: NONE

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 W

Air Temp: 45°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

REFILL: 25 SEC / 28 SEC

DISCHARGE: 5 SEC @ 70PSI / 8 SEC 70PSI

PURGE CONTAINED, POURED IN LEACHATE COLLECTION

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
12/17/15	Ryan Hansel	[signature]	EA GOLDER ASSOCIATES, INC

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Celco Arbor Rd

Sample Point: MP-234R

WELL DATA

Water-Level Date: 12/17/15 (MM DD YY)

Water-Level Time: 11:34 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 911.88 (ft/msl)

Depth to Water (DTW) (from TOC): 14.74 (ft)

Groundwater Elevation (site datum, from TOC): 897.14 (ft/msl)

Total Well Depth (from TOC): 754.0 (ft)

Water Column Height (well depth - DTW): 606.6 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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 (Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters, Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
12/17/15	11:37	00:20	11	30	2.73

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
11:34	14.74						
11:37	START	00					150
11:47	15.25	15	7.29	4880	12.2		
11:52	15.37	23	7.17	4900	12.4		
11:57	15.48	30	7.32	4870	12.3	391	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L : Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
12/17/15	11:57	30	7.32	4870	12.3	391	150

Sample Appearance: —

Odor: NONE

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 W

Air Temp: 45°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

REFILL: 18 SEC

DISCHARGE 2 SEC @ 40PSI

PURGE CONTAINER POURED IN LEACHATE COLLECTION

SAMPLED FOR: DISS. METALS

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols.

Date: 12/17/15

Name: RYAN HANSEL

Signature:

Company: EAGONT ASSOCIATES, INC

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: CELOS - ABETZ RD

Sample Point: MP-234AIR

WELL DATA

Water-Level Date: 12/17/15 (MM DD YY)

Water-Level Time: 1100 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 910.90 (ft/msl)

Depth to Water (DTW) (from TOC): 9.34 (ft)

Groundwater Elevation (site datum, from TOC): 901.56 (ft/msl)

Total Well Depth (from TOC): 24.60 (ft)

Water Column Height (well depth - DTW): 15.26 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): 13 — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

X-Other: —

Tubing ID (Vol/Ft): 13 — 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 (Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
12/17/15	1104	00:20	06	80	1.3.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1100	9.34						
1104	START	00					400
1114	10.12	40	6.93	2660	13.3		
1119	10.19	60	7.00	2670	13.3		
1124	10.23	80	6.96	2670	13.2	6.06	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
12/17/15	1124	80	6.96	2670	13.2	6.06	400

FIELD COMMENTS

Sample Appearance: —

Odor: NONE

Color: CLEAR

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: CALM

Air Temp: 45°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

REFILL: 13.5

DISCHARGE: 1.5 @ 20 PSI

SAMPLED FOR: DISSOLVED METALS

PURGE CONTAINED, POURED IN LEACHATE COLLECTION

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 12/17/15

Name: Ryan Haver

Signature:

Company: EAGON + ASSOCIATES, INC

EA-100 R: 4/10

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): Ryan Hauser

pH Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Buffer Brand/Expiration: pH 4 IE / 4-22-17 ; pH 7 IE / 5-7-17 ; pH 10 IE / 9-10-16

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)
12/17/15	1035	CALIBRATE	4.01	7.03	10.08	19.1

Conductivity/Temp. Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Cond. Solution Brand/Expiration: IE / 9-10-16 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
12/17/15	1037	CALIBRATE	1415	20.1	

Turbidity Meter(s): Make/Model/Serial No.: HACH 2100Q / 14110C037175

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
12/17/15	1038	CHECK	4.67	4.70	

Sampler (Name): Ryan Hauser Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

APPENDIX C.

LABORATORY DATA REPORT, FIELD INFORMATION FORMS, CHAIN-OF-CUSTODY RECORDS, AND FIELD METER CALIBRATION RECORDS FOR THE JANUARY 2016 VERIFICATION SAMPLING EVENT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-93427-1
Client Project/Site: Aber Rd. Landfill

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

Attn: Mr. Dan Deborde

Authorized for release by:
1/6/2016 1:39:33 PM

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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.

1
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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
1/6/2016 1:39:33 PM

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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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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)

Case Narrative

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

TestAmerica Job ID: 480-93427-1

Job ID: 480-93427-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-93427-1

Comments
No additional comments.

Receipt
The sample was received on 1/5/2016 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

Metals
Method(s) 6010C: The Serial Dilution (480-93427-A-1-A SD ^) in batch 480-282309, exhibited results outside the quality control limits for Dissolved Barium. However, the Post Digestion Spike was compliant so no corrective action was necessary

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

TestAmerica Job ID: 480-93427-1

Client Sample ID: MP-234R

Date Collected: 01/04/16 15:18
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93427-1

Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	0.047		0.0020	0.00070	mg/L		01/05/16 10:55	01/05/16 15:32	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.19				SU			01/04/16 15:18	1
Field Conductivity	4443				umhos/cm			01/04/16 15:18	1
Field Temperature	10.3				Degrees C			01/04/16 15:18	1
Field Turbidity	5.21				NTU			01/04/16 15:18	1
Oxidation Reduction Potential	13.1				millivolts			01/04/16 15:18	1
Oxygen, Dissolved	0.25				mg/L			01/04/16 15:18	1

QC Sample Results

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

TestAmerica Job ID: 480-93427-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-282309/1-A
Matrix: Water
Analysis Batch: 282414

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 282309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		01/05/16 10:55	01/05/16 15:26	1

Lab Sample ID: LCS 480-282309/2-A
Matrix: Water
Analysis Batch: 282414

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 282309

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Barium, Dissolved			0.200	0.193		mg/L		96	80 - 120		

Lab Sample ID: 480-93427-1 MS
Matrix: Water
Analysis Batch: 282414

Client Sample ID: MP-234R
Prep Type: Dissolved
Prep Batch: 282309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Barium, Dissolved	0.047		0.200	0.234		mg/L		94	75 - 125		

Lab Sample ID: 480-93427-1 MSD
Matrix: Water
Analysis Batch: 282414

Client Sample ID: MP-234R
Prep Type: Dissolved
Prep Batch: 282309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.047		0.200	0.236		mg/L		95	75 - 125	1	20

QC Association Summary

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

TestAmerica Job ID: 480-93427-1

Metals

Prep Batch: 282309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93427-1	MP-234R	Dissolved	Water	3005A	
480-93427-1 MS	MP-234R	Dissolved	Water	3005A	
480-93427-1 MSD	MP-234R	Dissolved	Water	3005A	
LCS 480-282309/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 480-282309/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 282414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93427-1	MP-234R	Dissolved	Water	6010C	282309
480-93427-1 MS	MP-234R	Dissolved	Water	6010C	282309
480-93427-1 MSD	MP-234R	Dissolved	Water	6010C	282309
LCS 480-282309/2-A	Lab Control Sample	Total Recoverable	Water	6010C	282309
MB 480-282309/1-A	Method Blank	Total Recoverable	Water	6010C	282309

Field Service / Mobile Lab

Analysis Batch: 282475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93427-1	MP-234R	Total/NA	Water	Field Sampling	

Lab Chronicle

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

TestAmerica Job ID: 480-93427-1

Client Sample ID: MP-234R

Date Collected: 01/04/16 15:18
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93427-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			282309	01/05/16 10:55	KJ1	TAL BUF
Dissolved	Analysis	6010C		1	282414	01/05/16 15:32	AMH	TAL BUF
Total/NA	Analysis	Field Sampling		1	282475	01/04/16 15:18	FLD	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

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

TestAmerica Job ID: 480-93427-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-93427-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
Field Sampling	Field Sampling	EPA	TAL 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:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

TestAmerica Job ID: 480-93427-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-93427-1	MP-234R	Water	01/04/16 15:18	01/05/16 10:00

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: DMP

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 1/4/16	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA	1 of 1 COCs
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - January 2016 Resampling	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☑ 1 day			Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)*	Dissolved Barium	* - only metals bottles field filtered	Sample Specific Notes:
MP-234R	1/4/16	1518	Grab	GW	1	Y*	x		

480-93427 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None | 4 | All samples preserved on ice

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: Biennial parameters include: Alk, Cl, SO4, Ca, Mg, K, & Na

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.9 Corr'd:_____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Nick A Karon / [signature]	Eagon & Associates, Inc.	1/4/16 1730	[signature]	[signature]	1/5/16 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-93427-1

Login Number: 93427
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica 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.	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
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: CELOS - ABER RD

Sample Point: MP-234R

WELL DATA

Water-Level Date 01 04 16 (MM DD YY)

Water-Level Time 14:53 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.)

Well Elevation (at TOC) 911.88 (ft/msl)

Depth to Water (DTW) (from TOC) 14.62 (ft)

Groundwater Elevation (site datum, from TOC) 897.26 (ft/msl)

Total Well Depth (from TOC) 95.40 (ft)

Water Column Height (well depth - DTW) 60.78 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

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-QED 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	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
01 04 16	14:56	00:22	11	80	7.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
14:53	14.62						
14:56	START	100					400
15:06	15.31	40	7.11	4717	12.0		200
15:09	15.35	50	7.14	4562	11.1		↓
15:12	15.34	60	7.16	4529	10.6		200
15:15	15.36	70	7.18	4458	10.4		↓
15:18	15.37	80	7.19	4443	10.3	5.21	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
01 04 16	15:18	80	7.19	4443	10.3	5.21	200

FIELD COMMENTS

Sample Appearance: — Odor: NONE Color: CLEAR Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 MPH FROM SW Air Temp: ~30°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): D.O. (mg/L): 0.25

REFILL: 10 SEC 25 SEC ORP (mV): +13.1

DISCHARGE: 5 SEC @ 40 PSI 5 SEC

400 ml/min 200 ml/min

SAMPLED FOR: DISSOLVED BARIUM

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
1/4/16	NICK A KAROL	[signature]	EA Engineering & Associates, Inc.

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): NICK A KARON

pH Meter(s): Make/Model/Serial No: IN-SITU / SMARTROLL / S/N 426917

Buffer Brand/Expiration: pH 4 IE ; pH 7 IE ; pH 10 IE

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)
1/4/16	1427	CALIBRATE	4.00	7.00	10.00	15.1

Conductivity/Temp. Meter(s): Make/Model/Serial No: IN-SITU / SMARTROLL / S/N 426917

Cond. Solution Brand/Expiration: IE / 9-10-16 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
1/4/16	1437	CALIBRATE	1412	12.1	

Turbidity Meter(s): Make/Model/Serial No.: HACH / 2100 Q / S/N 14110C037172

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
1/4/16	1420	CHECK	6.05	6.07	

Sampler (Name): NICK A KARON Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): NICK A KAROL

D.O. Meter(s): Make/Model/Serial No: IN SITU / SMARTROLL / S/N 426917

Zero-O_2 Solution Brand/Expiration: 1/4/16 / —

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
1/4/16	1452	CALIBRATE	SAT AIR	99.8% / 10.17	0.00	11.8

O.R.P. Meter(s): Make/Model/Serial No: INSITU / SMARTROLL / S/N 426917

Solution Brand/Expiration: 1/4/16 / — Solution Value (@ 25 °C): 89.0

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
1/4/16	1442	CALIBRATE	101.0 @ 15.0°C	104.5	13.9	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): NICK A KAROL Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

F:\ExcelFiles\CECOS\fieldmeterformDO.ORP

APPENDIX D.

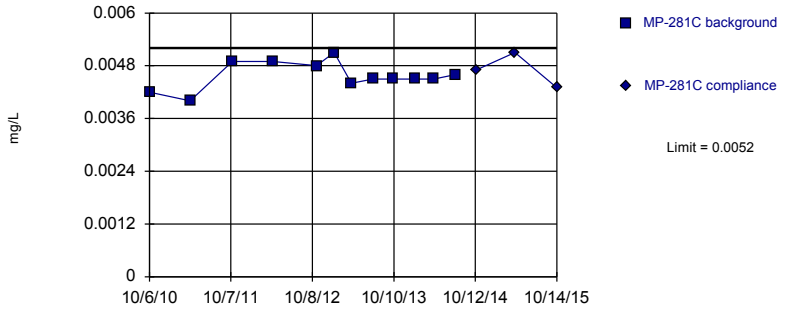
2015 SECOND SEMIANNUAL STATISTICAL ANALYSIS RESULTS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.004575, Std. Dev.=0.0003108, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9585, critical = 0.805. Kappa = 2.008 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Arsenic Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats

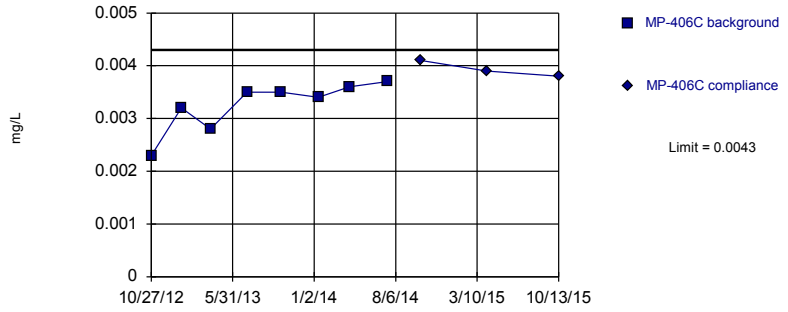
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00325, Std. Dev.=0.0004751, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8492, critical = 0.749. Kappa = 2.312 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Arsenic Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats

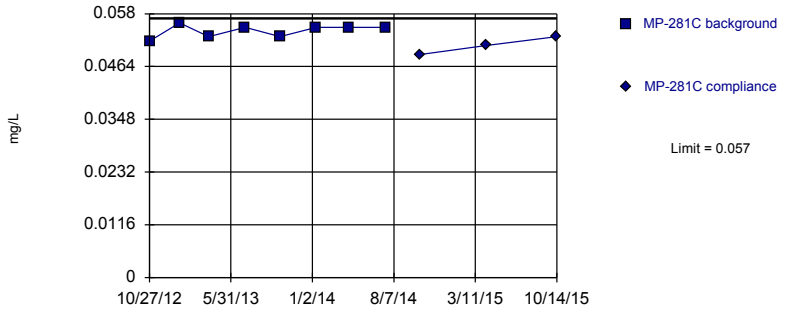
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05425, Std. Dev.=0.001389, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8574, 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 11/17/2015 4:51 PM View: Stats

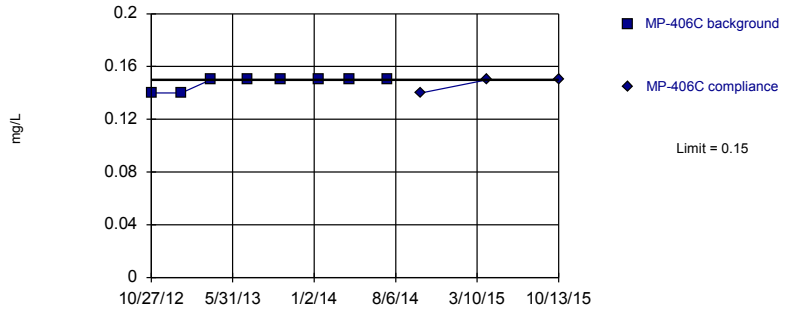
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 8 background values. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

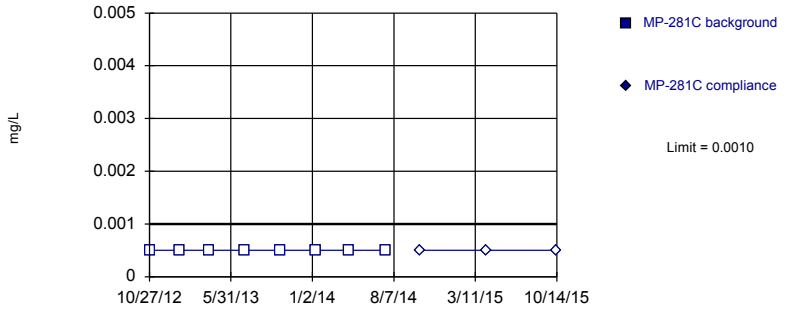
Constituent: Barium Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



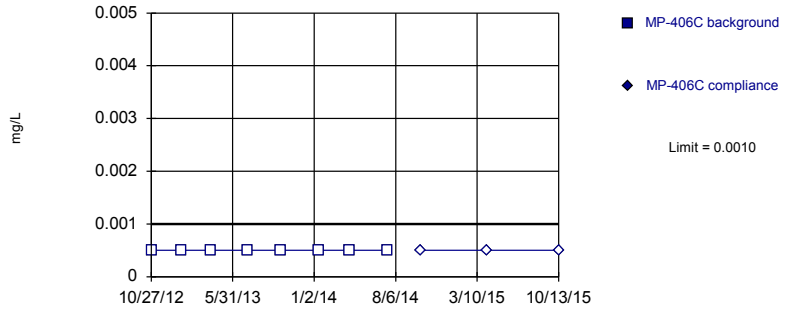
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



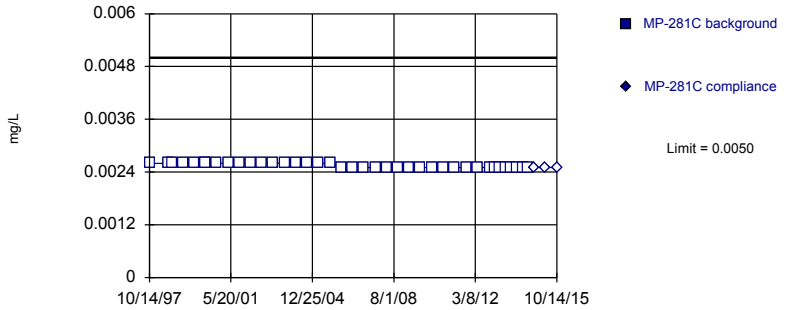
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



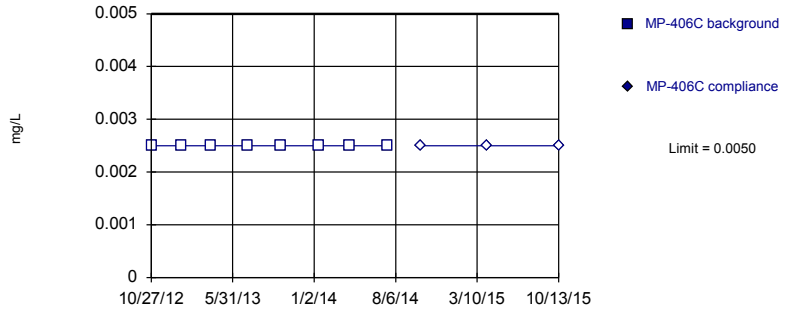
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 39) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002451. Individual comparison alpha = 0.001226 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



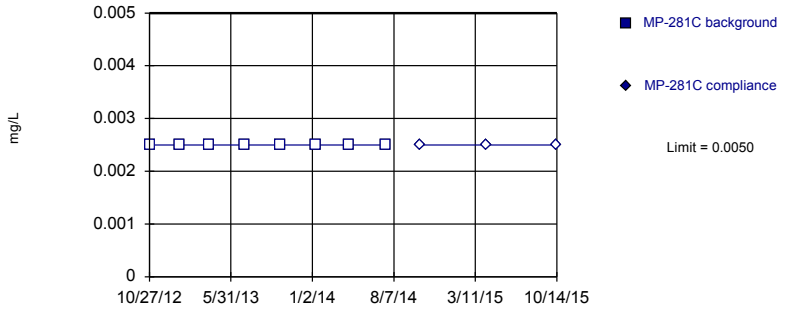
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



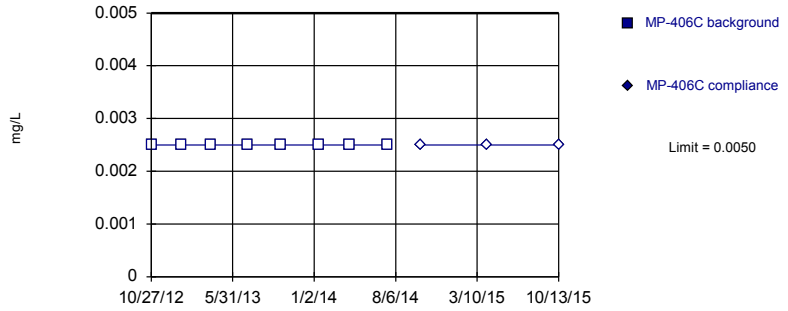
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Lead Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



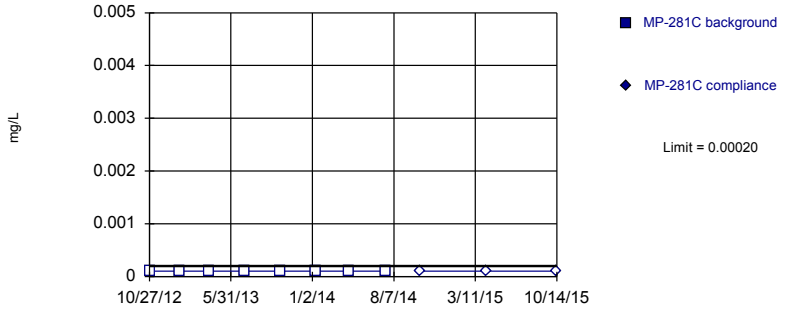
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Lead Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



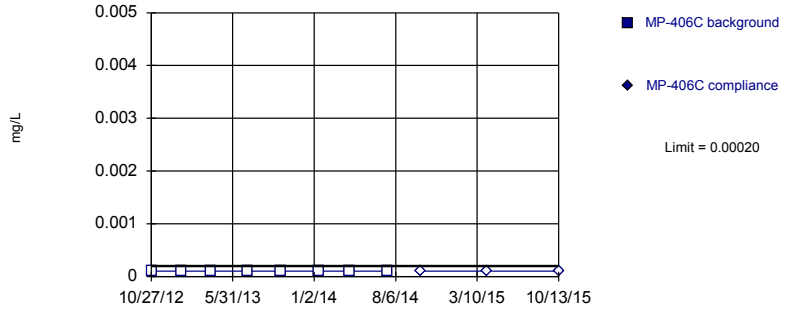
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Mercury Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



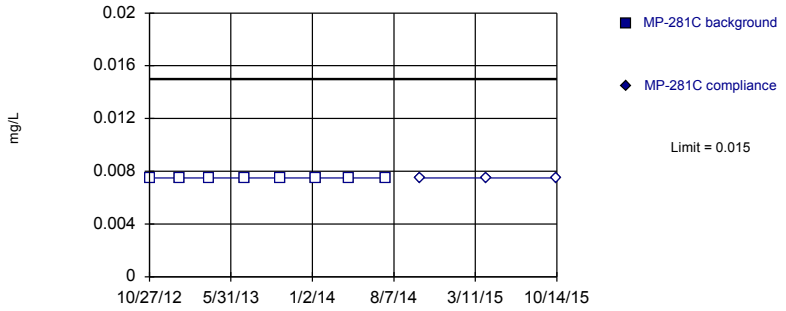
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Mercury Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



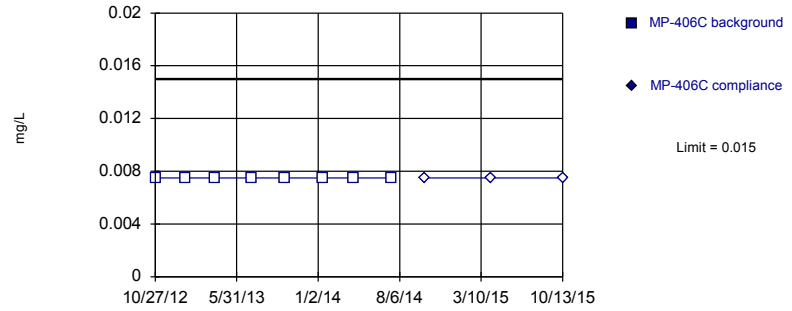
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Selenium Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 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 = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Selenium Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

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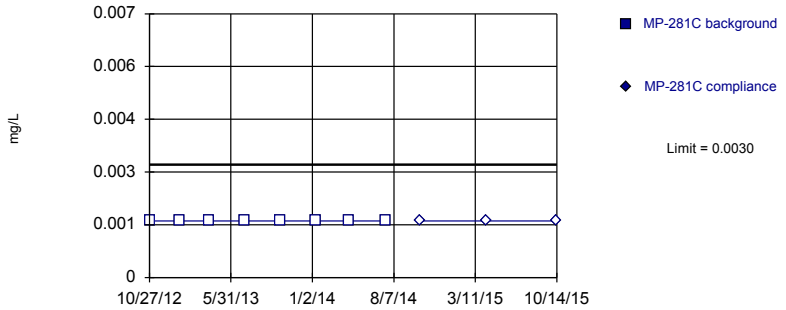
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



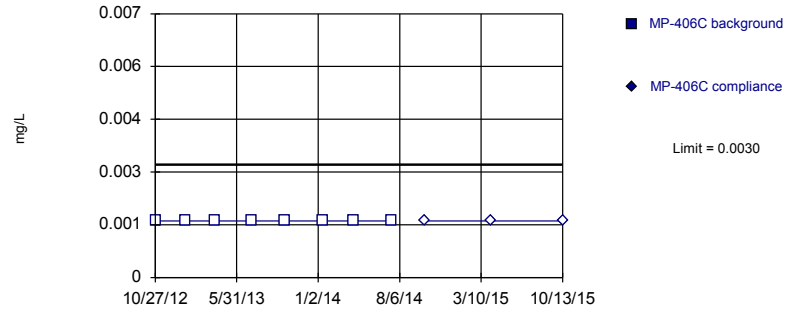
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Silver Dissolved Analysis Run 11/17/2015 4:51 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.5.19 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 = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Silver Dissolved Analysis Run 11/17/2015 4:51 PM 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 11/17/2015, 4:52 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Method
Arsenic Dissolved (mg/L)	MP-281C	0.0052	10/14/2015	0.0043	No	12	0.004575	0.0003108	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-406C	0.0043	10/13/2015	0.0038	No	8	0.00325	0.0004751	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-281C	0.057	10/14/2015	0.053	No	8	0.05425	0.001389	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-406C	0.15	10/13/2015	0.15	No	8	n/a	n/a	0	n/a	n/a	NP Intra (normality) 1 of 2
Cadmium Dissolved (mg/L)	MP-281C	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-406C	0.0010	10/13/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-281C	0.0050	10/14/2015	0.0025ND	No	39	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-406C	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-281C	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-406C	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-281C	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-406C	0.00020	10/13/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-281C	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-406C	0.015	10/13/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-281C	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-406C	0.0030	10/13/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2

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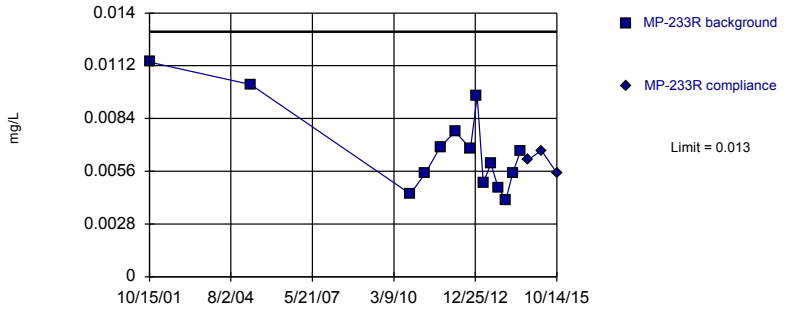
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00675, Std. Dev.=0.002254, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.825. Kappa = 2.732 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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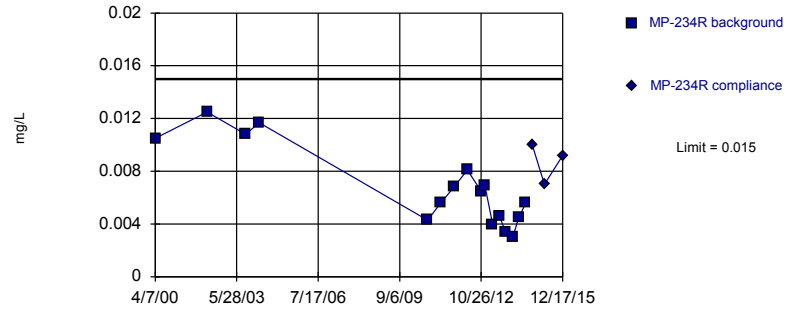
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0068, Std. Dev.=0.003067, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9037, critical = 0.844. Kappa = 2.604 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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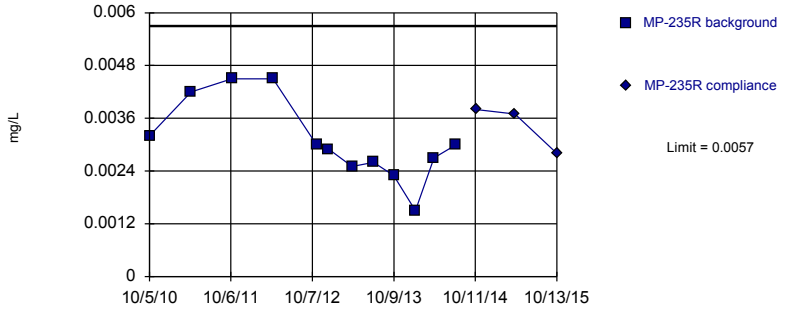
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003075, Std. Dev.=0.0009127, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9171, critical = 0.805. Kappa = 2.86 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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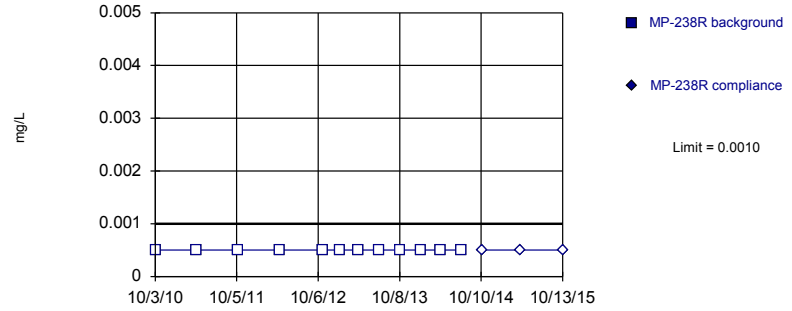
Hollow symbols indicate censored values.

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 = 12) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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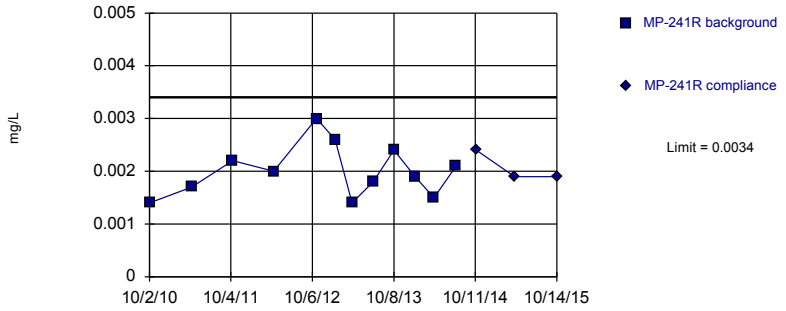
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002, Std. Dev.=0.0004936, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9507, critical = 0.805. Kappa = 2.86 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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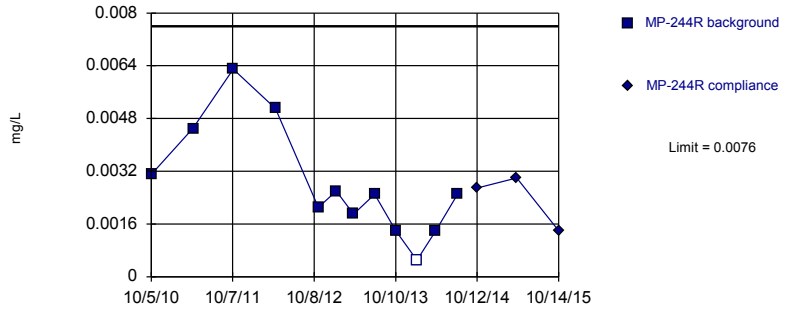
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002825, Std. Dev.=0.001685, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9229, critical = 0.805. Kappa = 2.86 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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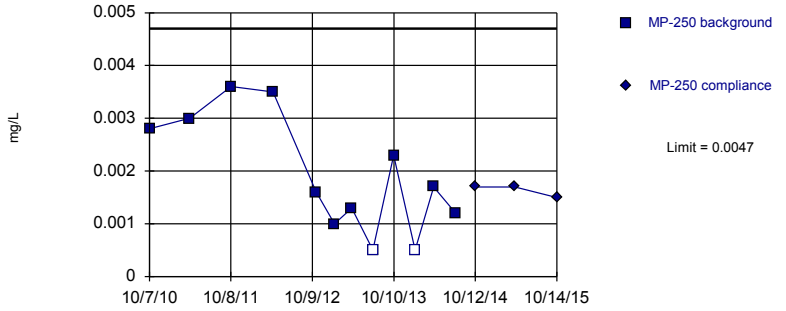
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002, Std. Dev.=0.0009539, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.805. Kappa = 2.86 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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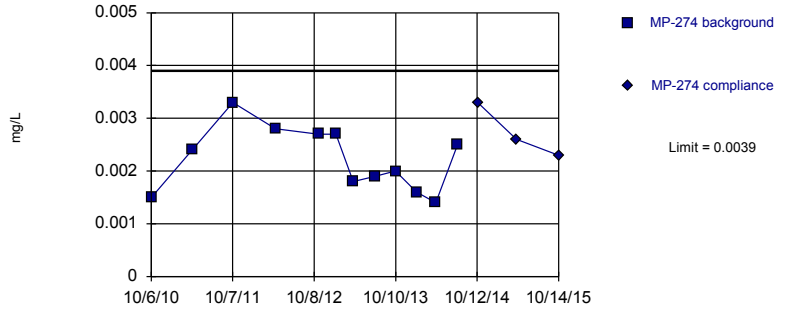
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002217, Std. Dev.=0.0006013, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9473, critical = 0.805. Kappa = 2.86 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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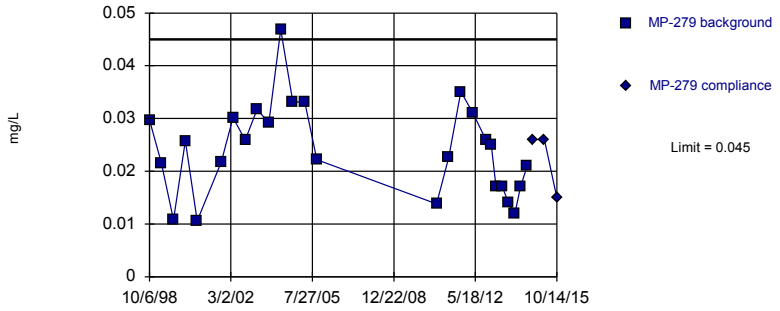
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.024, Std. Dev.=0.008734, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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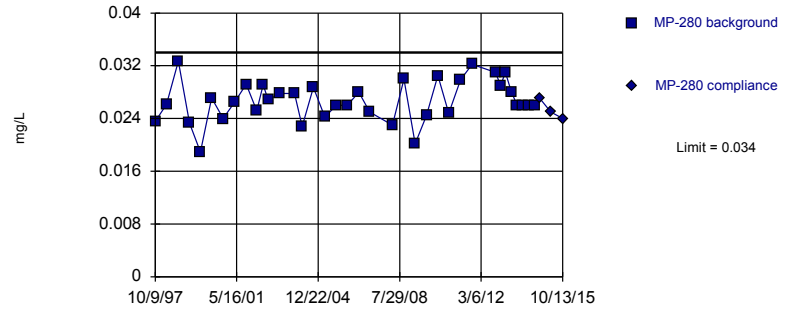
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02667, Std. Dev.=0.003118, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.981, critical = 0.914. Kappa = 2.256 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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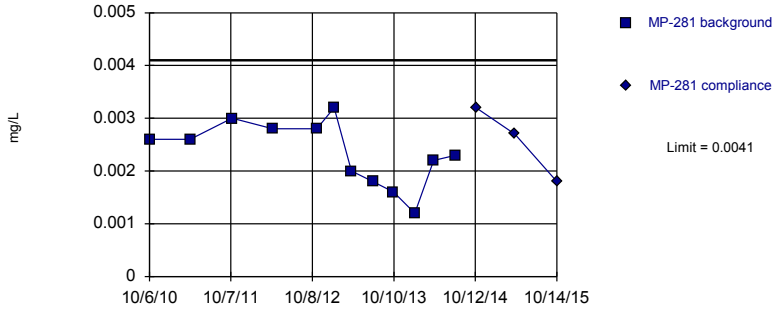
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002342, Std. Dev.=0.0006037, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9661, critical = 0.805. Kappa = 2.86 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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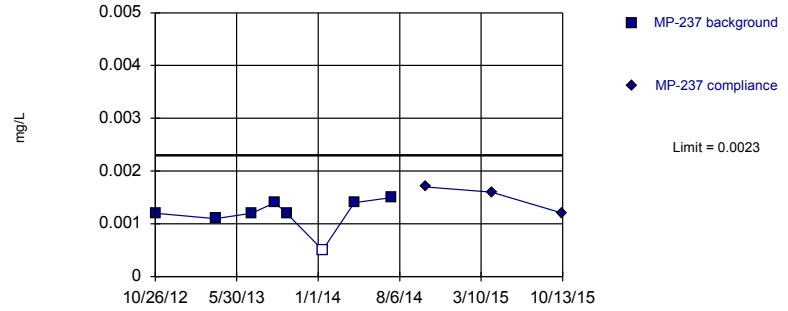
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001188, Std. Dev.=0.0003091, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8078, critical = 0.749. Kappa = 3.524 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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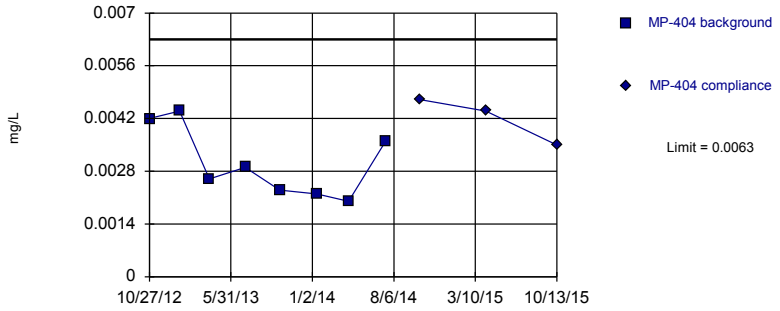
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003025, Std. Dev.=0.0009301, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8956, critical = 0.749. Kappa = 3.524 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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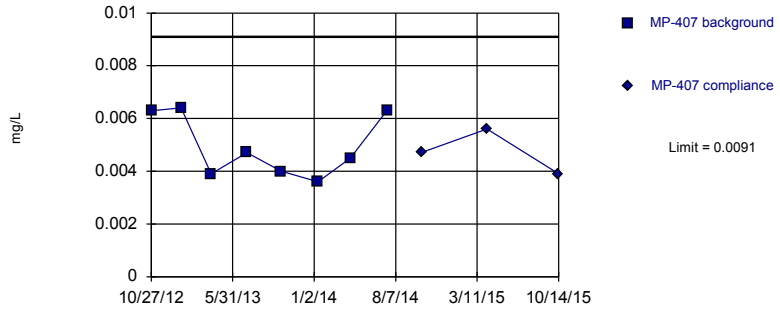
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.004963, Std. Dev.=0.001186, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8349, critical = 0.749. Kappa = 3.524 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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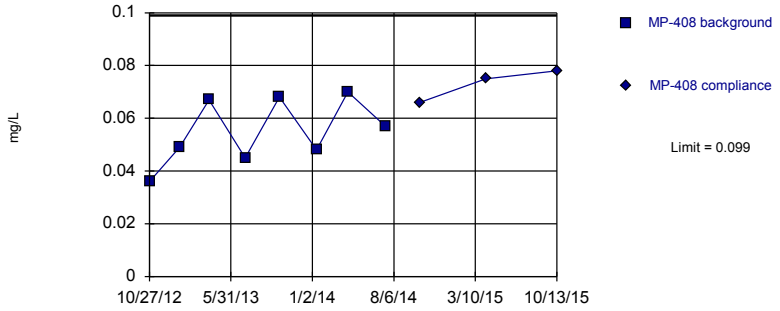
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.055, Std. Dev.=0.01247, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9186, critical = 0.749. Kappa = 3.524 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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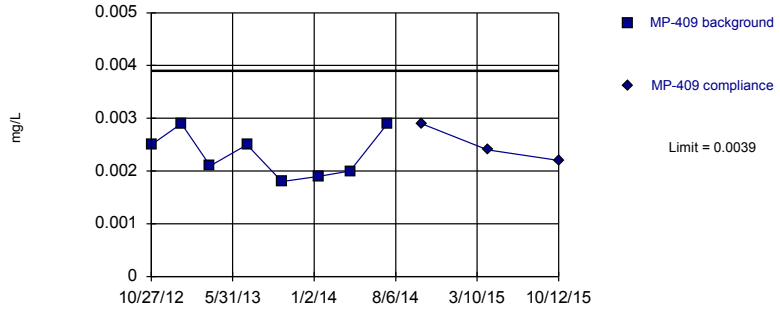
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002325, Std. Dev.=0.0004367, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8928, critical = 0.749. Kappa = 3.524 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Arsenic Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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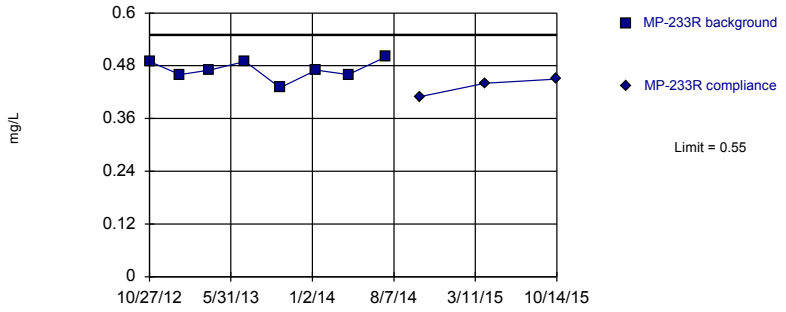
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4713, Std. Dev.=0.02232, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9344, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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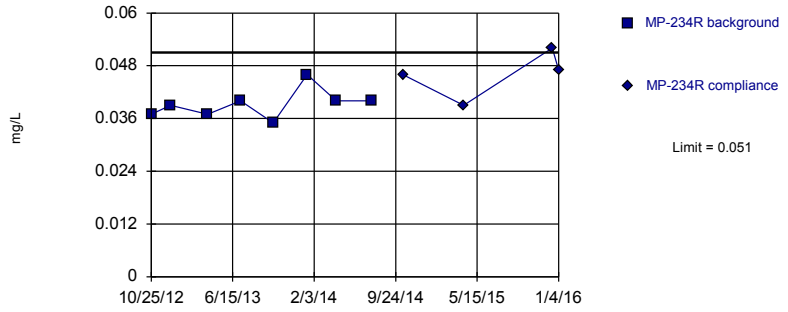
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.03925, Std. Dev.=0.003284, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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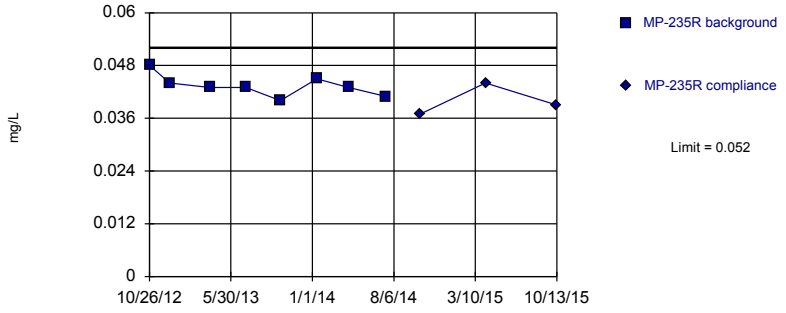
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04338, Std. Dev.=0.002446, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9423, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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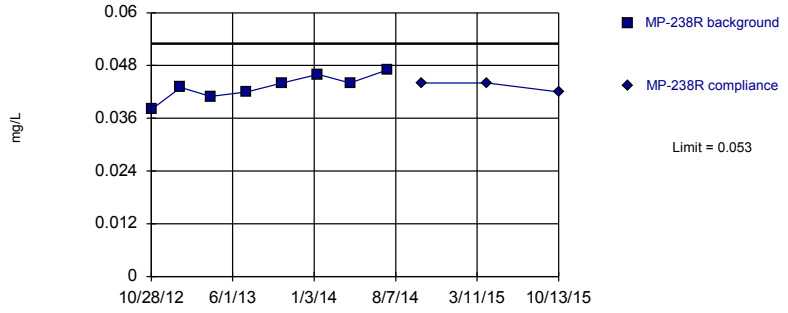
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04313, Std. Dev.=0.00285, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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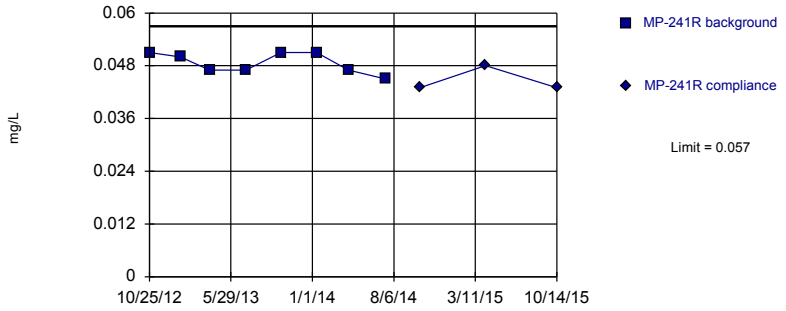
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04863, Std. Dev.=0.002387, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8327, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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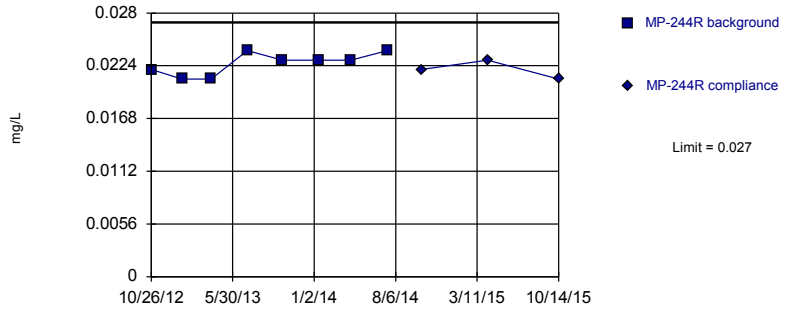
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02263, Std. Dev.=0.001188, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8748, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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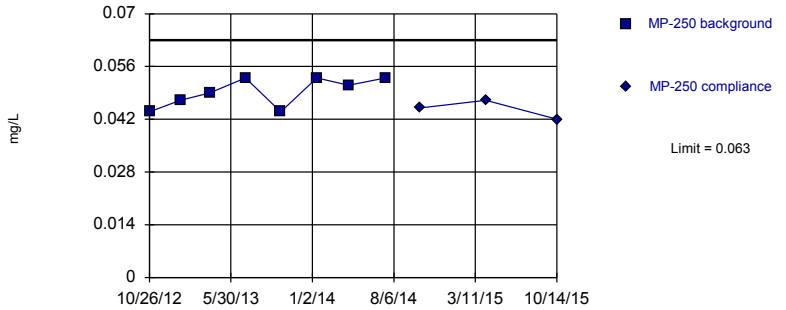
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04925, Std. Dev.=0.003882, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8469, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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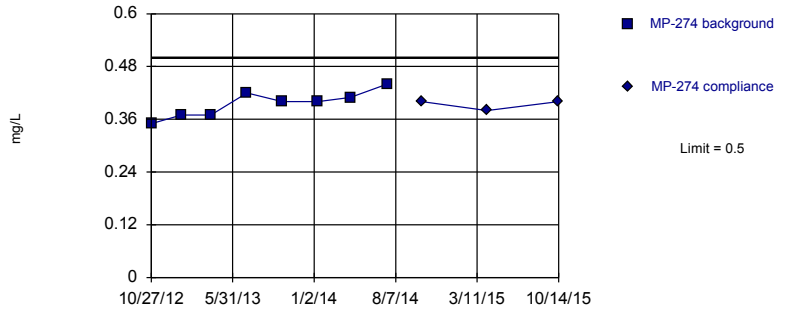
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.395, Std. Dev.=0.02976, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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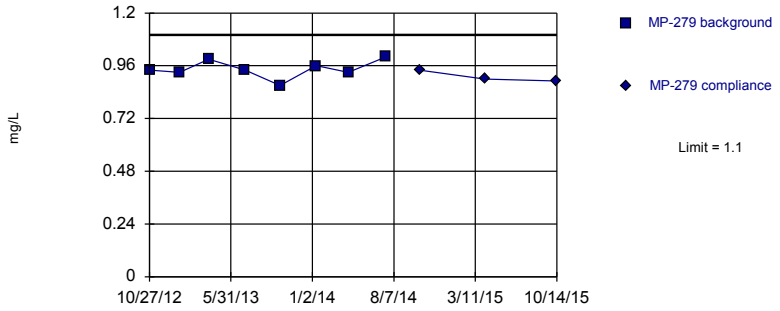
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.945, Std. Dev.=0.04036, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9286, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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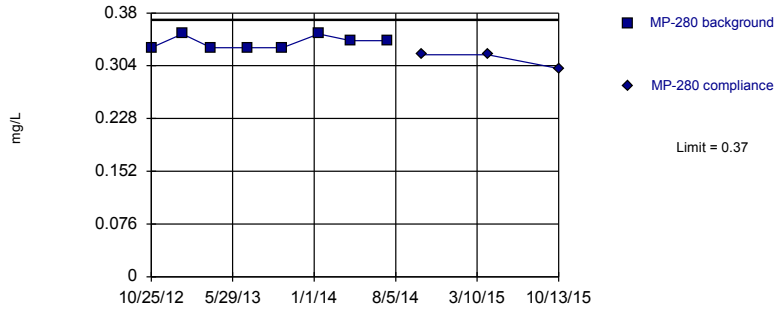
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3375, Std. Dev.=0.008864, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7818, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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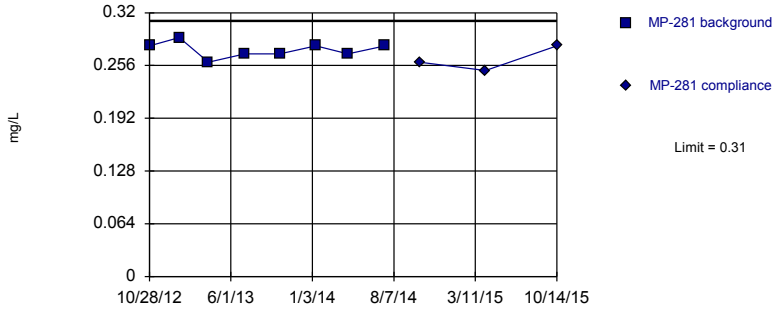
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.275, Std. Dev.=0.009258, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9302, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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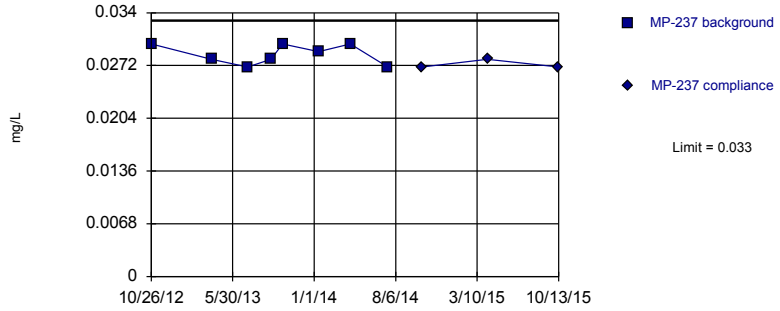
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02863, Std. Dev.=0.001302, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.846, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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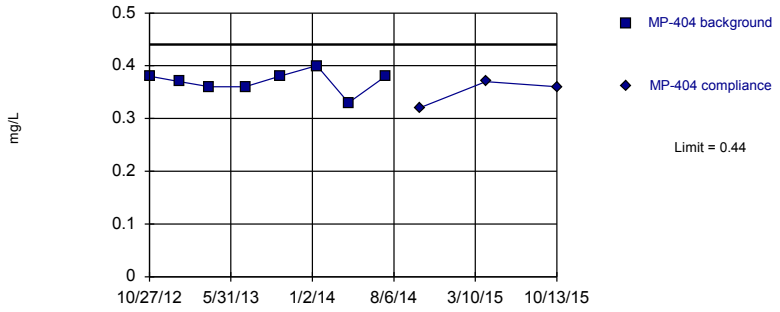
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.37, Std. Dev.=0.0207, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9271, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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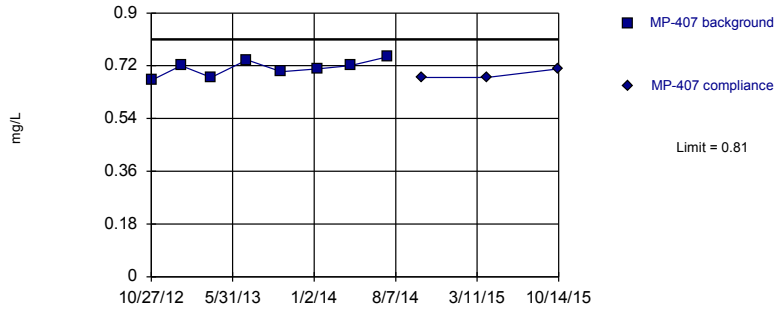
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.7113, Std. Dev.=0.02748, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9654, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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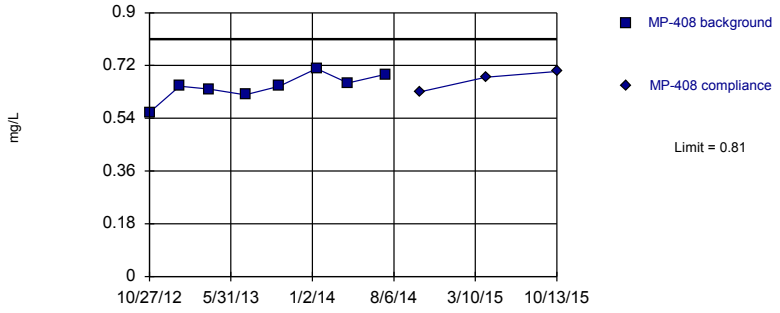
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6475, Std. Dev.=0.04528, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9444, 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 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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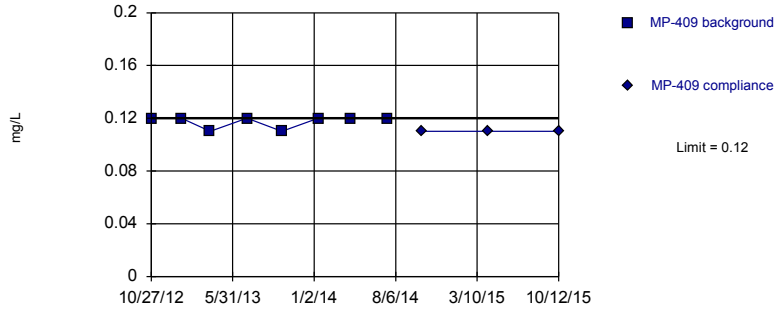
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 8 background values. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Barium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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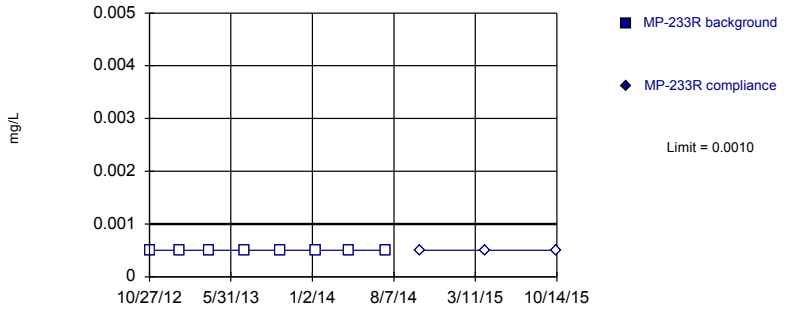
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



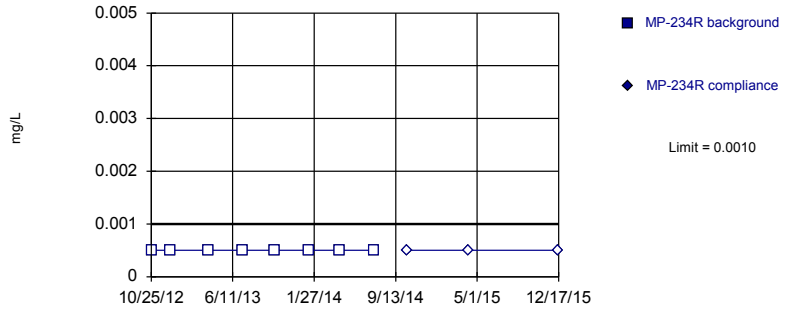
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



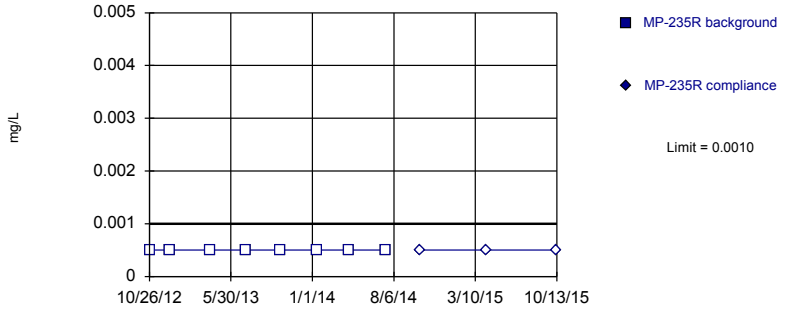
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



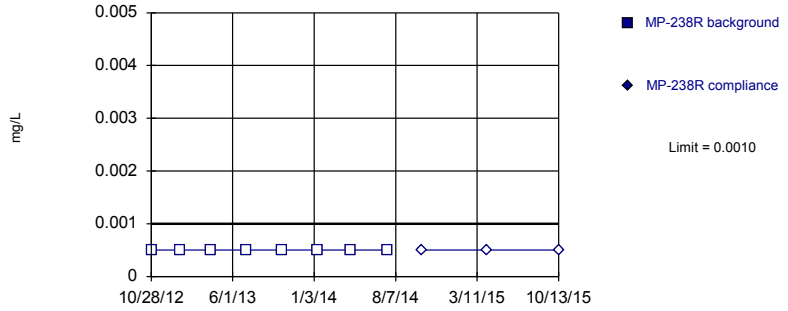
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



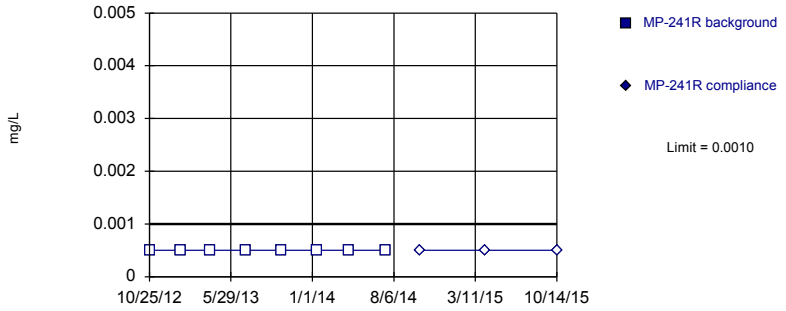
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



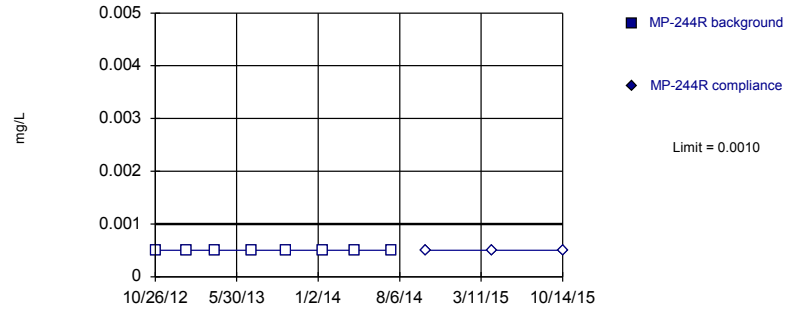
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



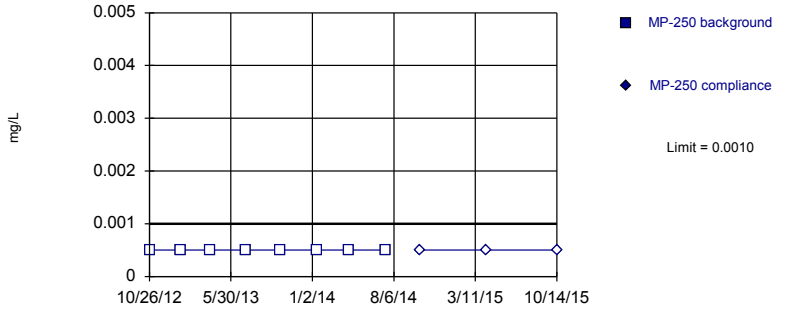
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



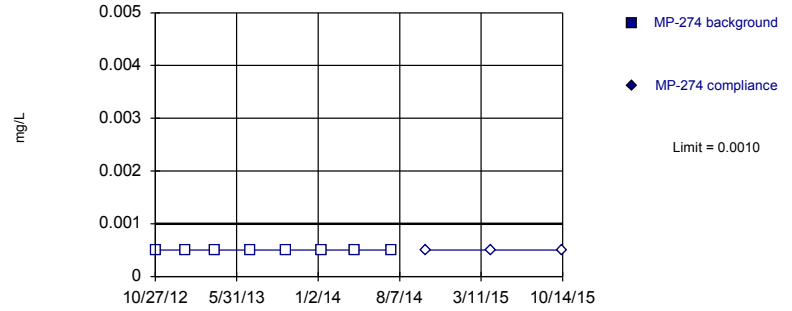
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



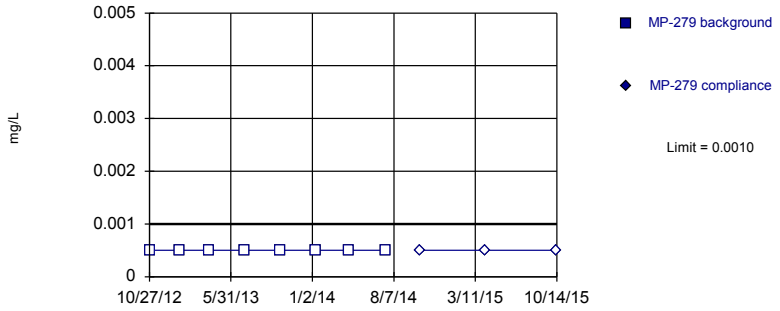
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



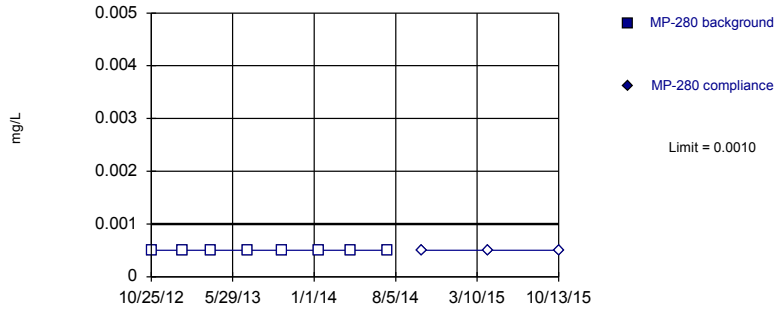
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



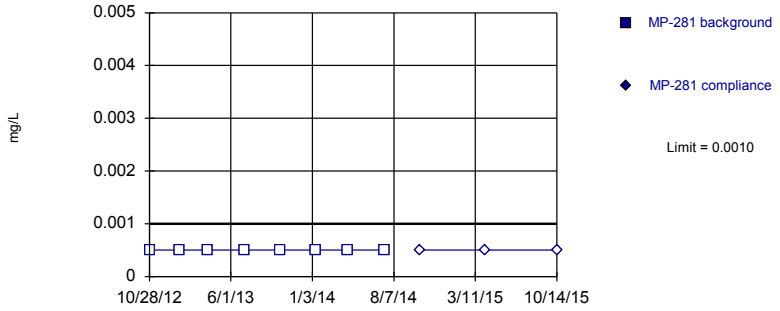
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



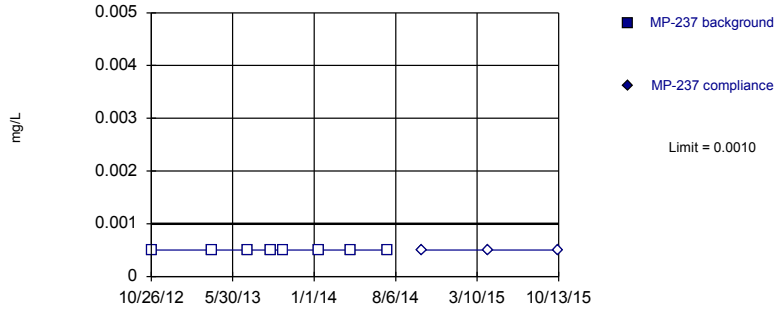
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



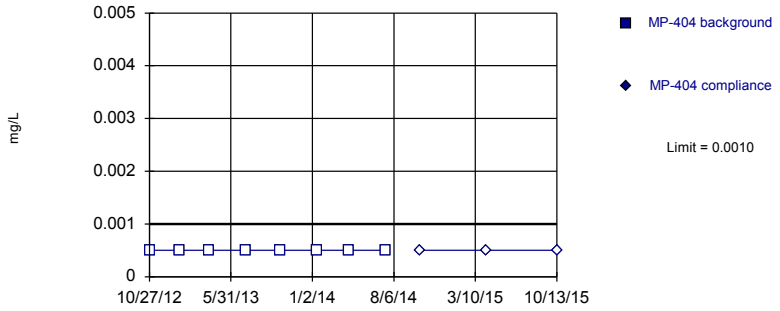
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



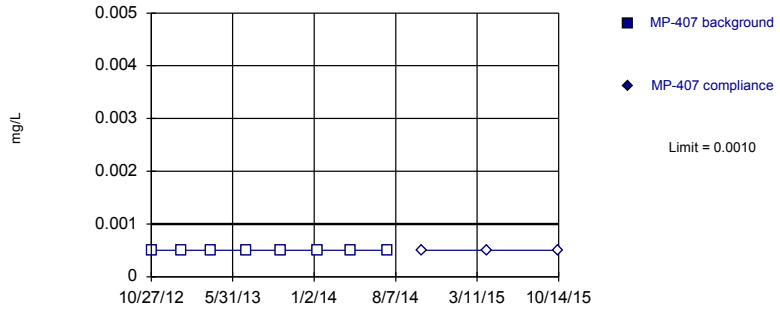
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 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 = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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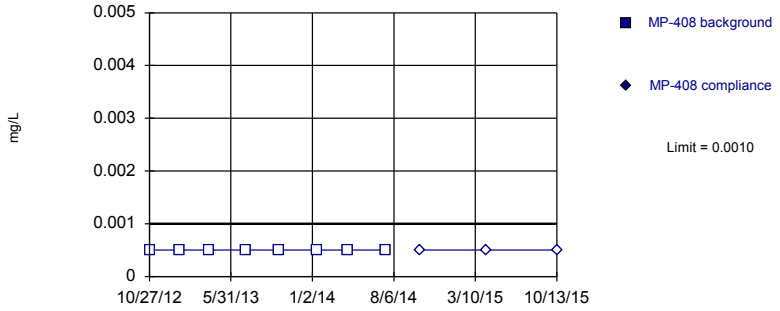
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



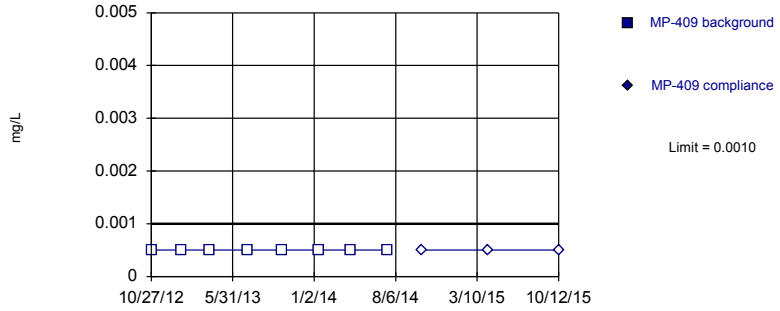
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



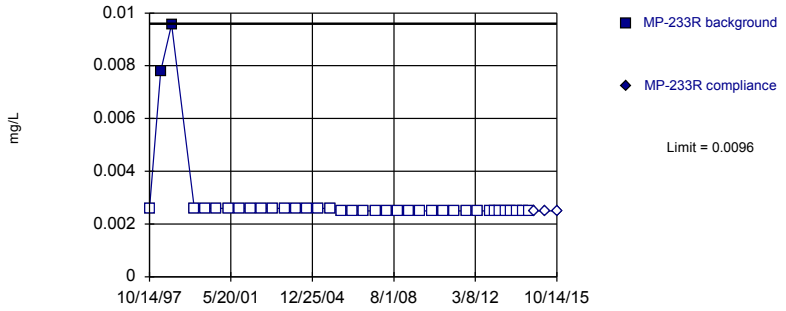
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Cadmium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



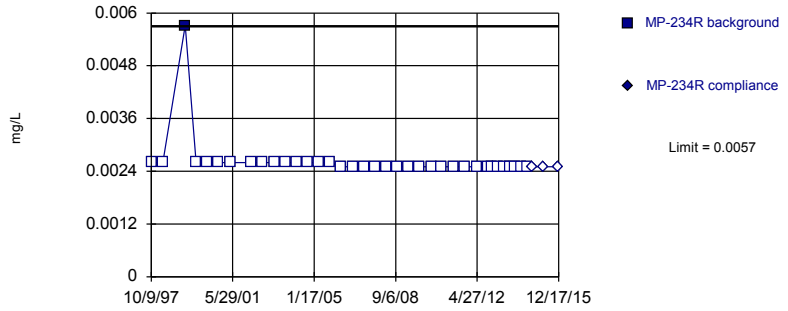
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



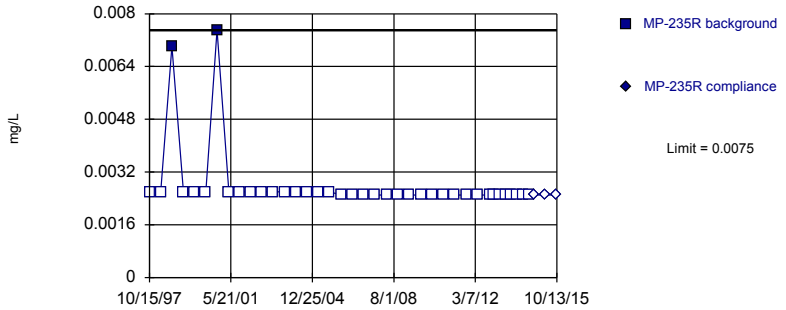
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 97.22% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



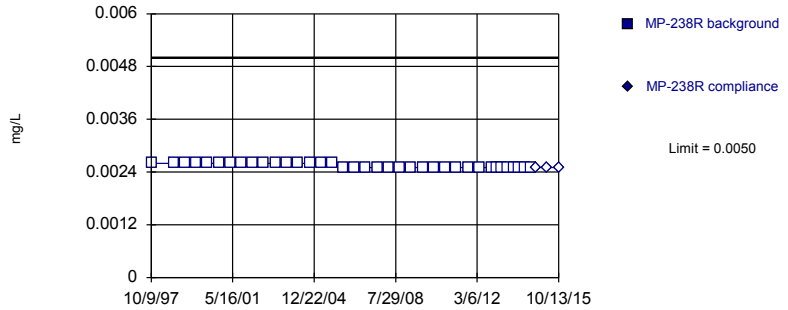
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



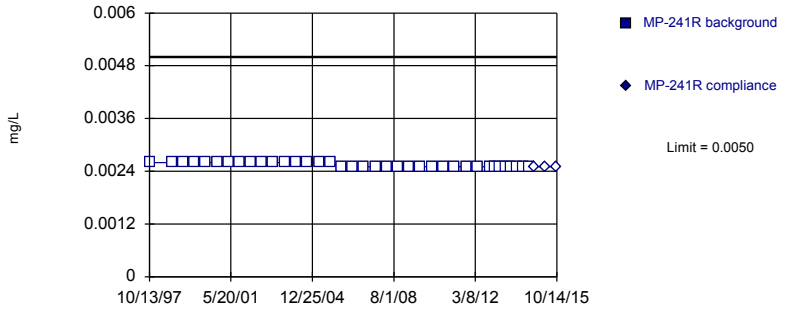
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



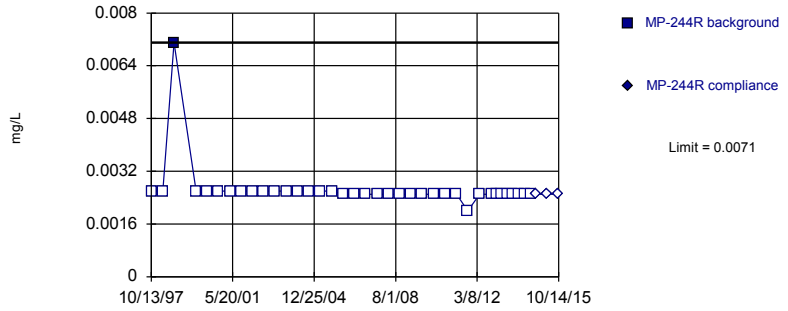
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



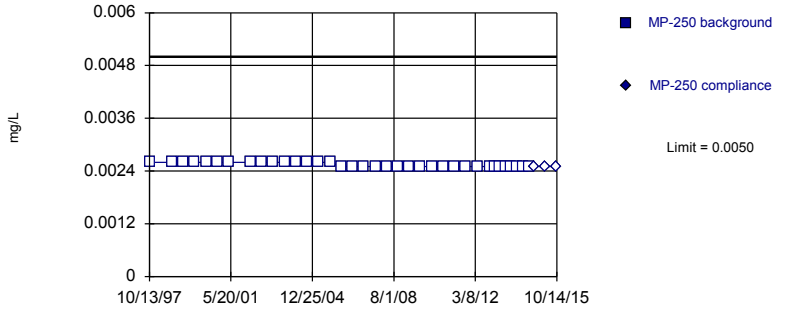
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:53 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



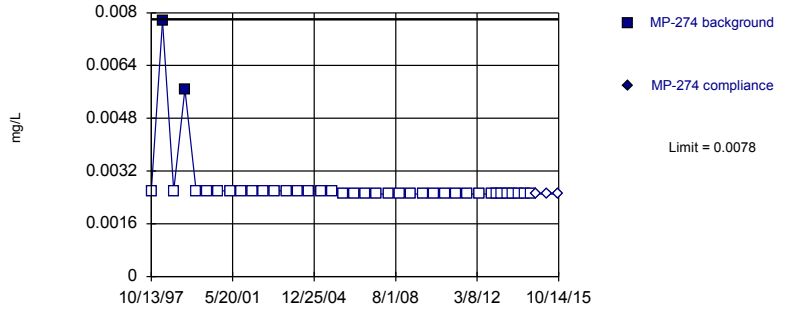
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 36) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



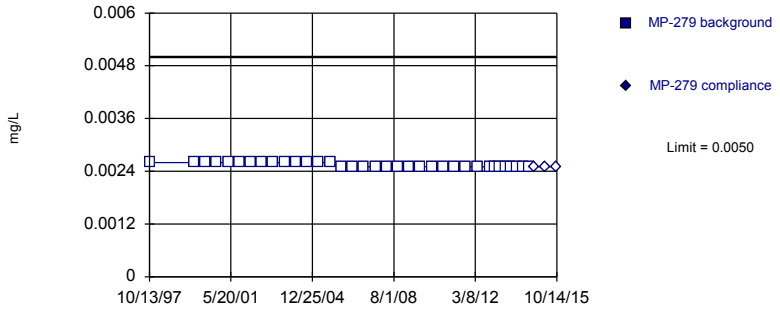
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



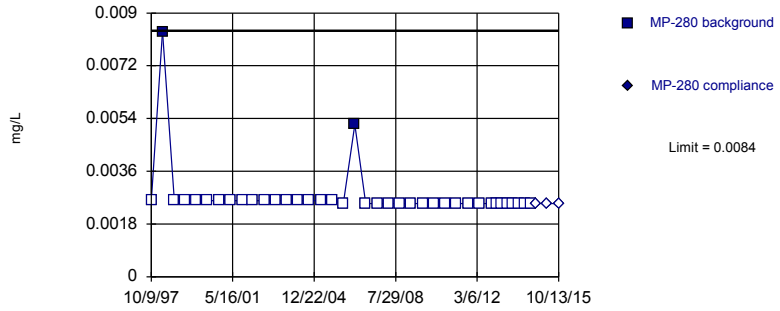
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002991. Individual comparison alpha = 0.001497 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



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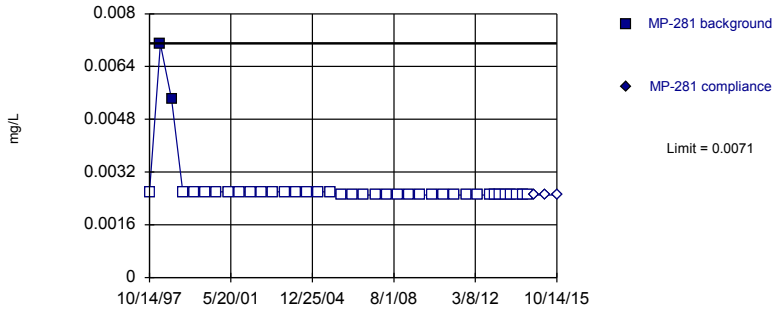
Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 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 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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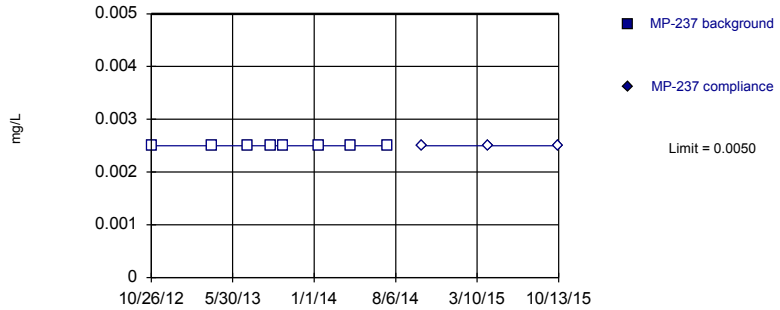
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



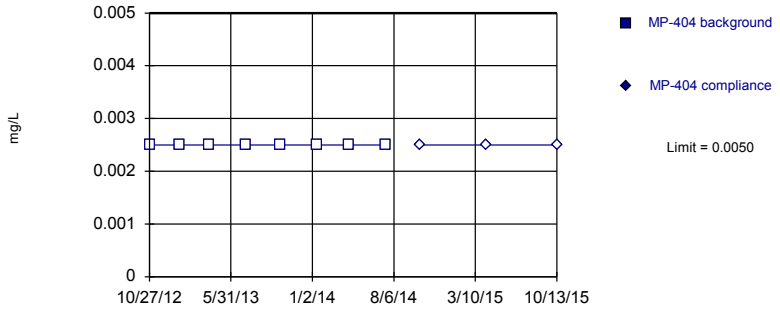
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.04242. Individual comparison alpha = 0.02144 (1 of 2).

Constituent: Chromium Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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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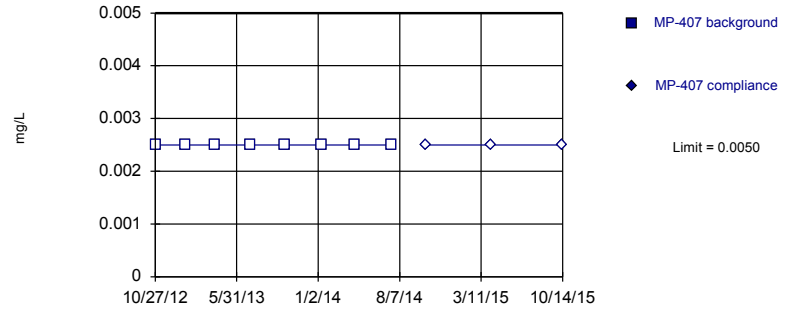

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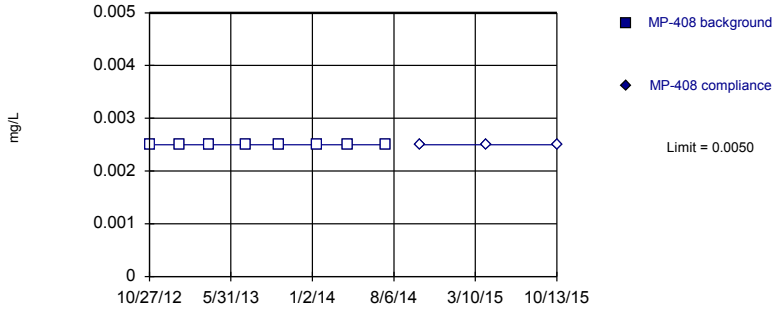

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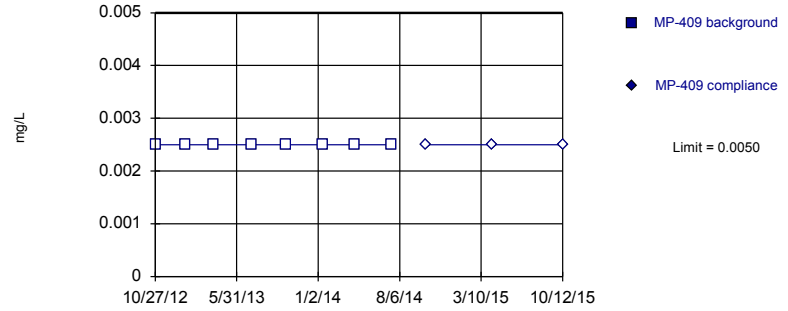

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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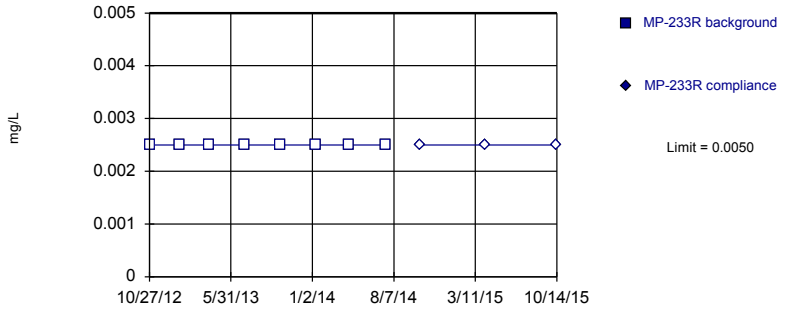

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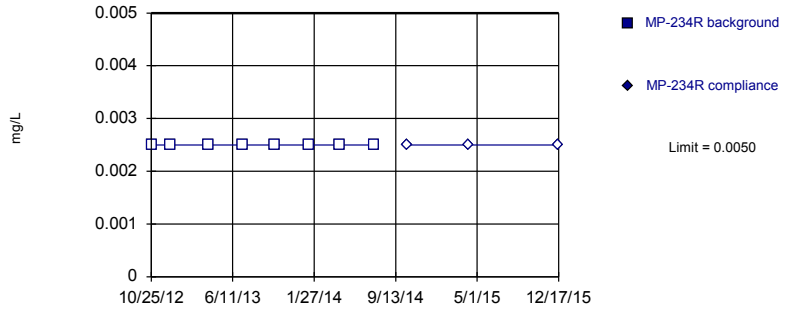
Constituent: Lead Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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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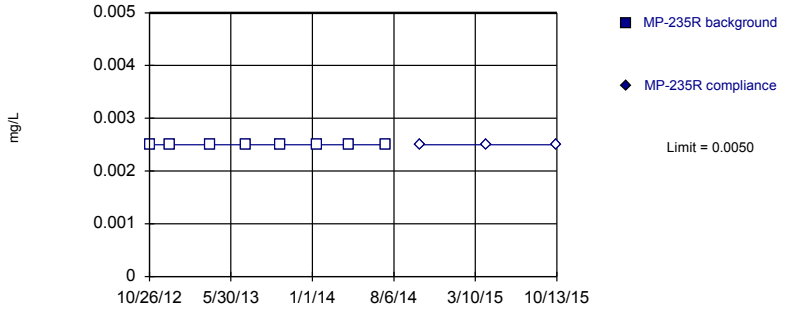

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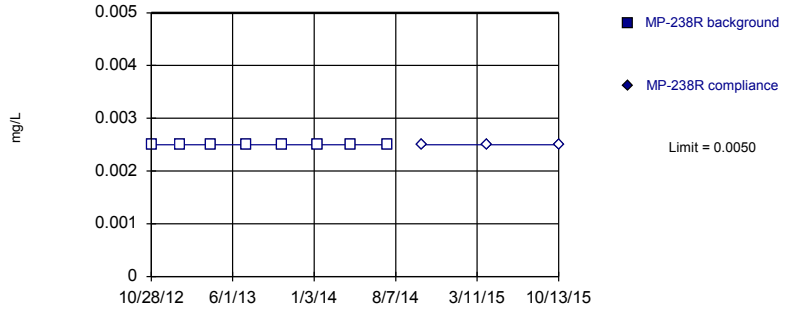

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Constituent: Lead Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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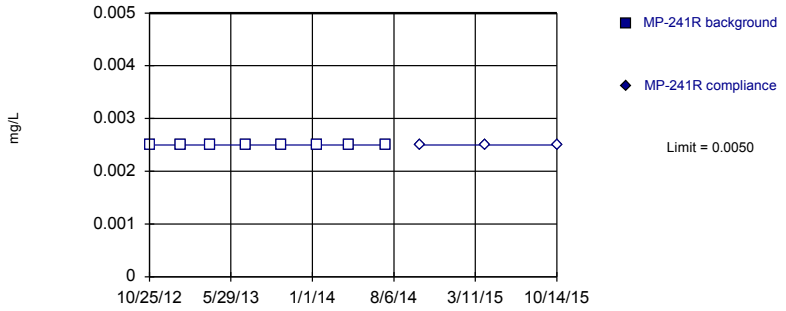
Within Limit

Prediction Limit

Intrawell Non-parametric



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Constituent: Lead Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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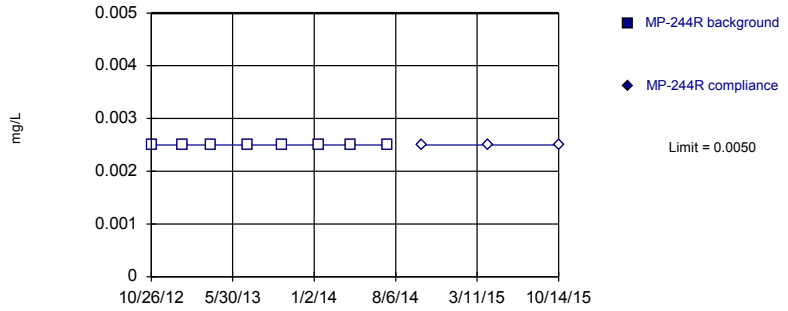

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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Prediction Limit

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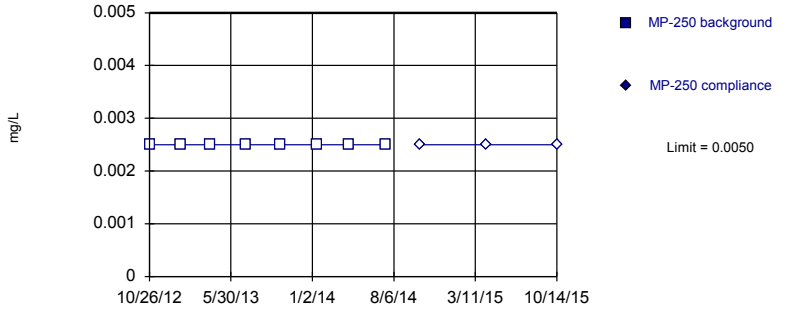

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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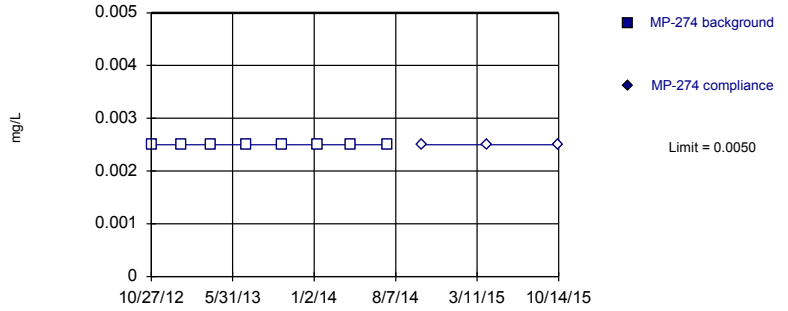

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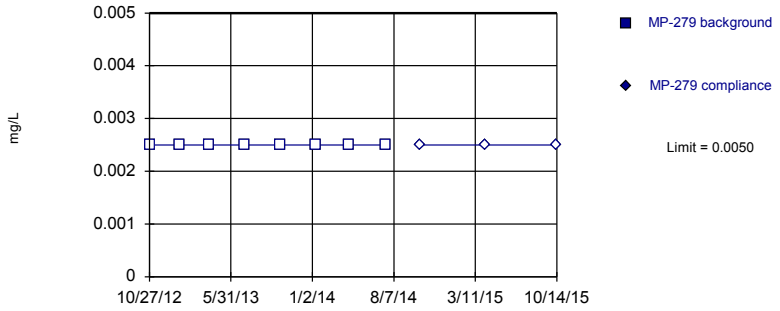

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Constituent: Lead Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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Within Limit

Prediction Limit

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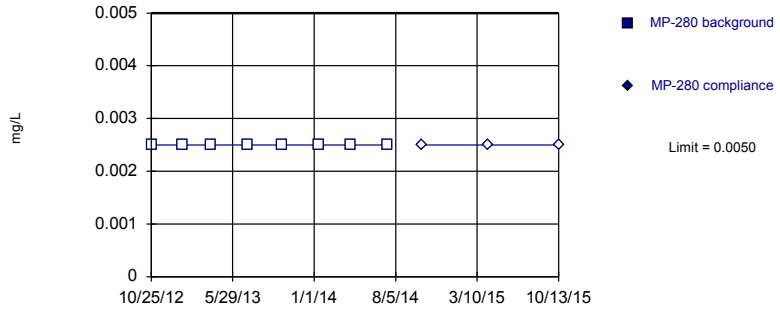

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Constituent: Lead Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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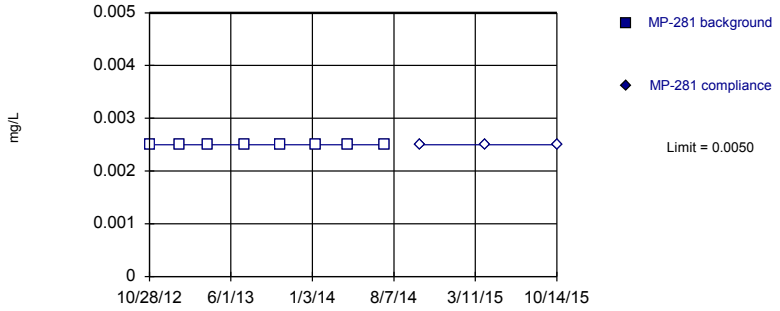
Within Limit

Prediction Limit

Intrawell Non-parametric



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Constituent: Lead Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

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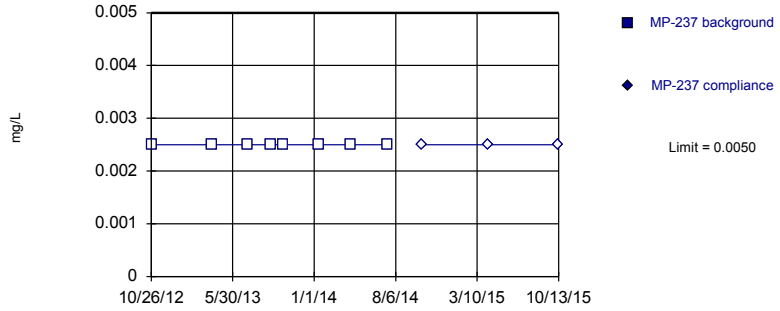
Prediction Limit

Intrawell Non-parametric



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Constituent: Lead Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

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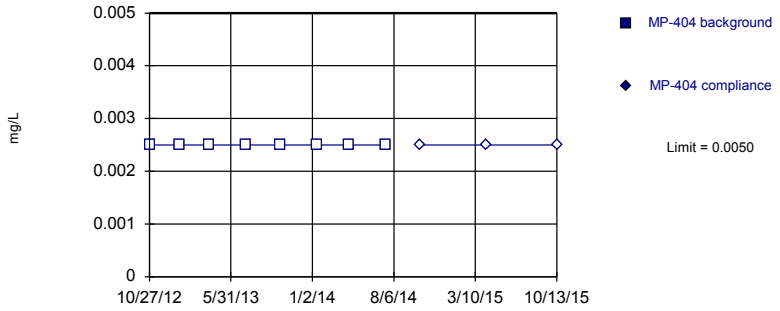

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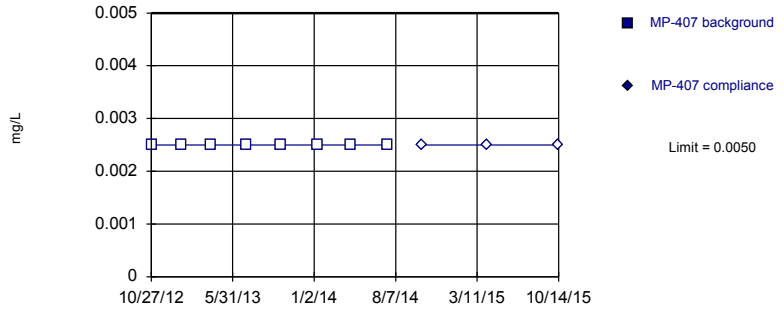

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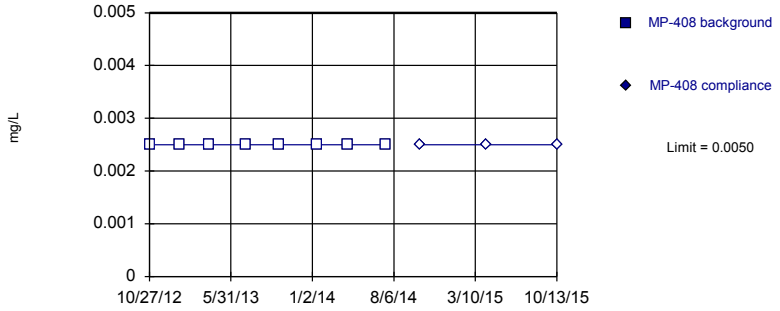

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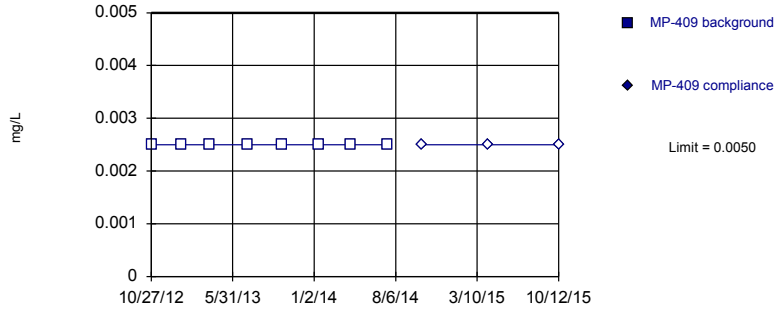

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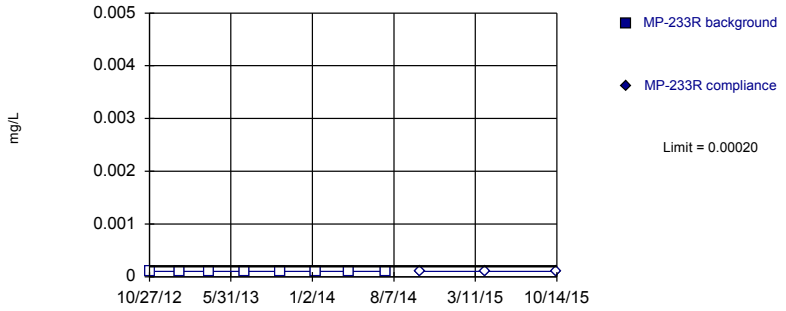

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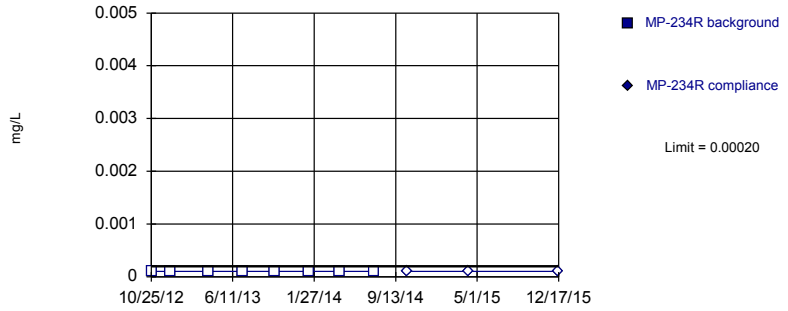

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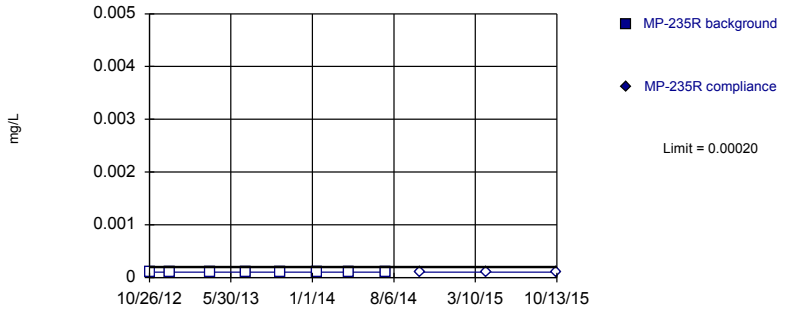

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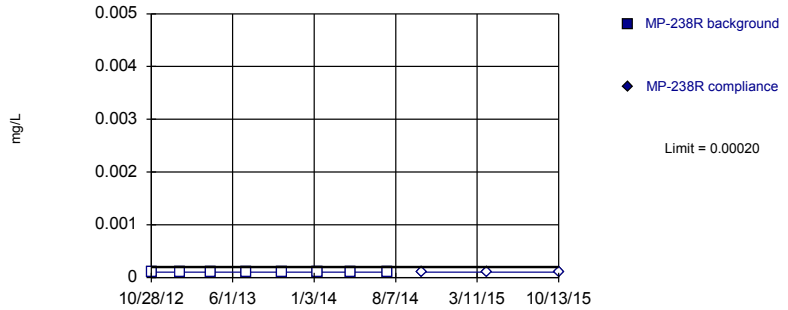

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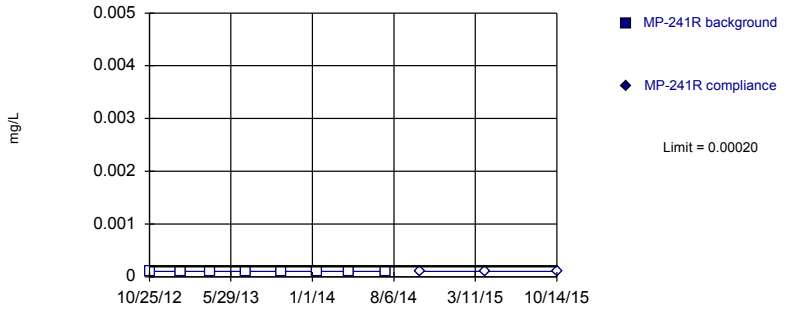

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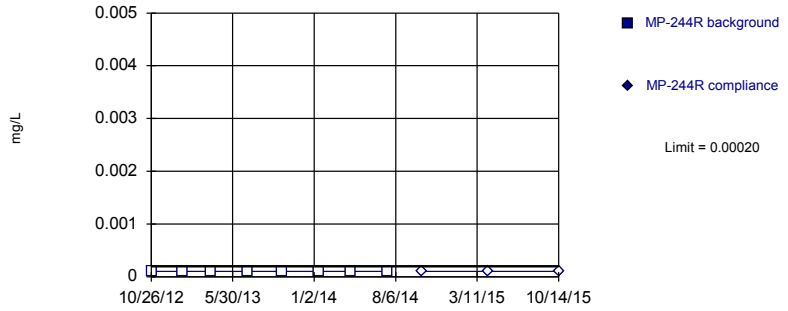

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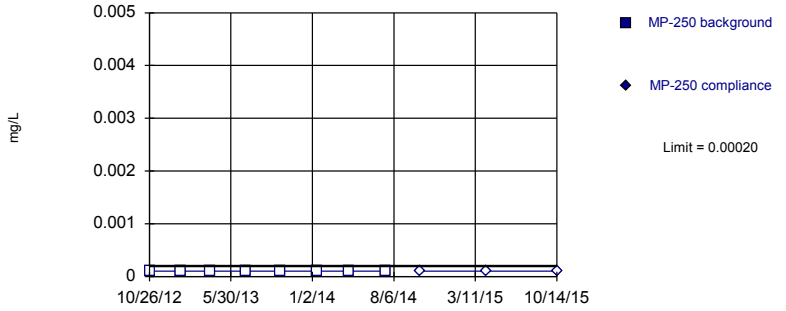

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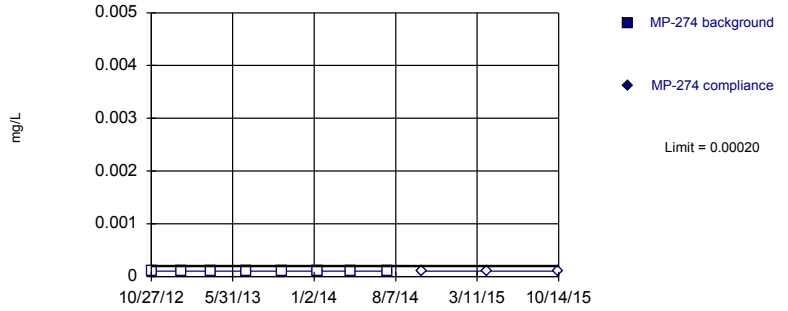

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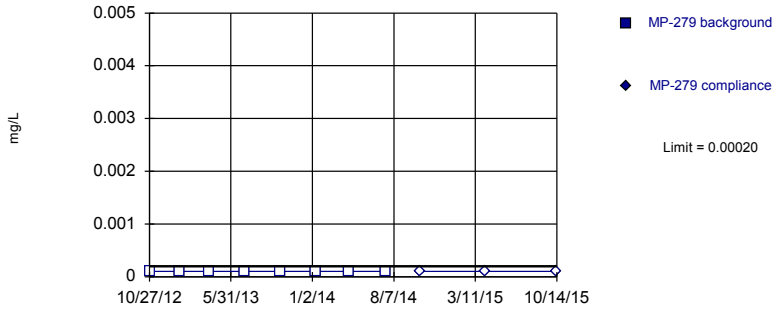

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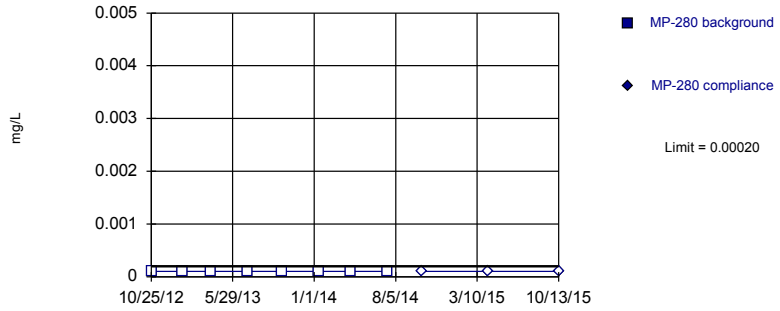

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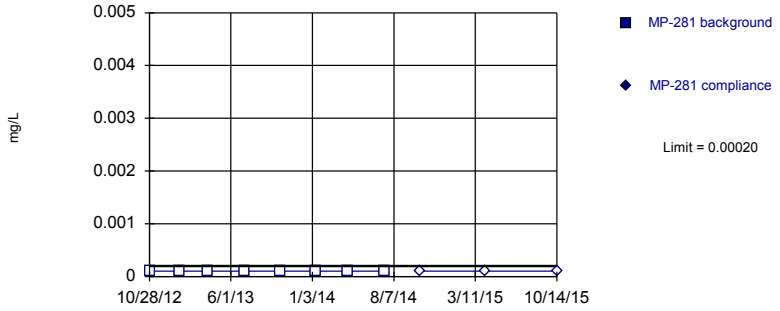

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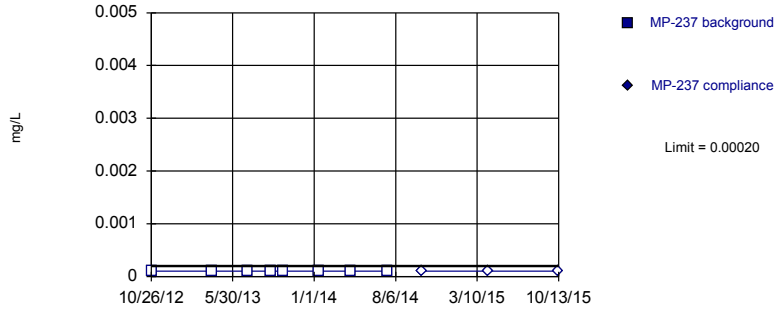

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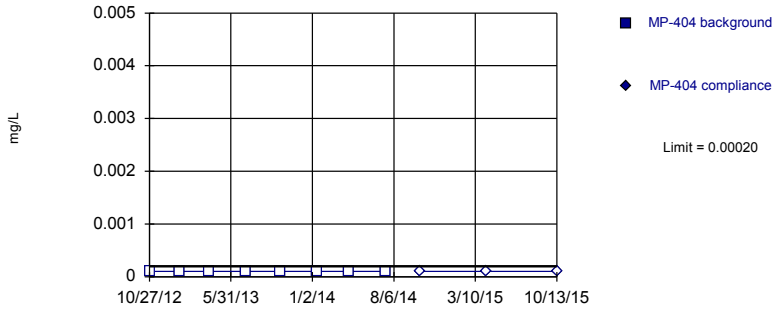

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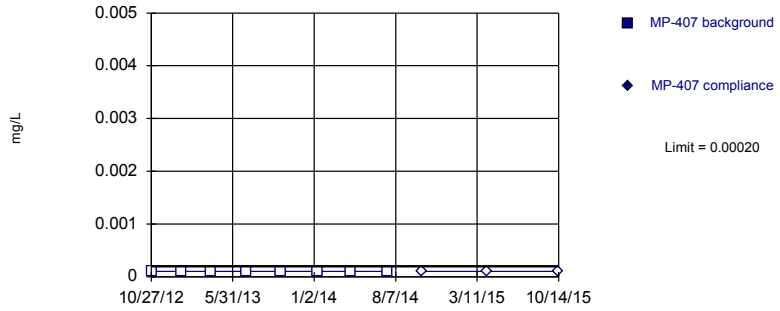

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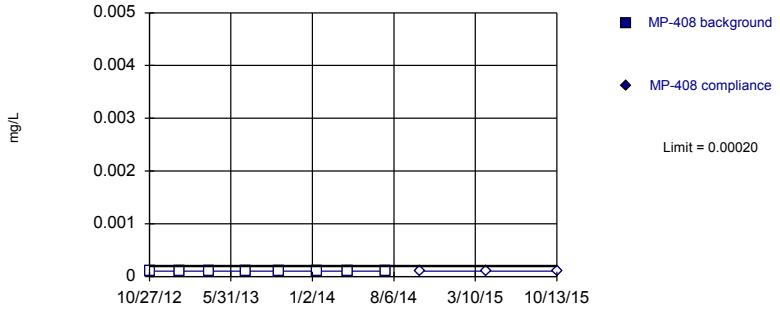

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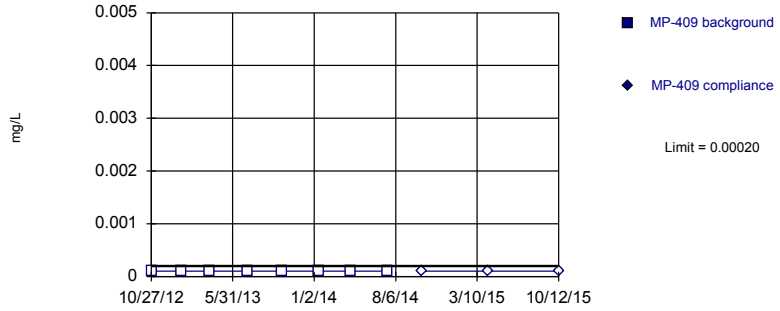

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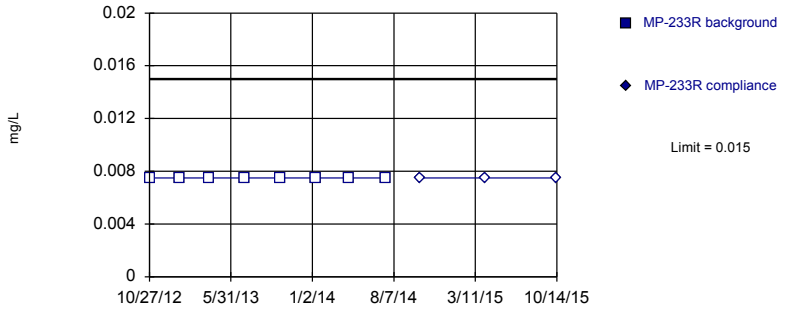

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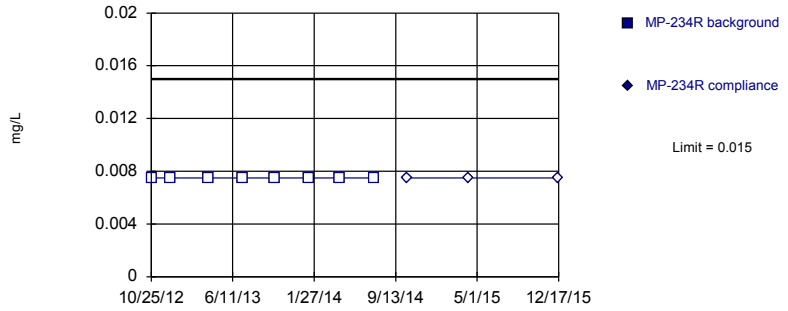

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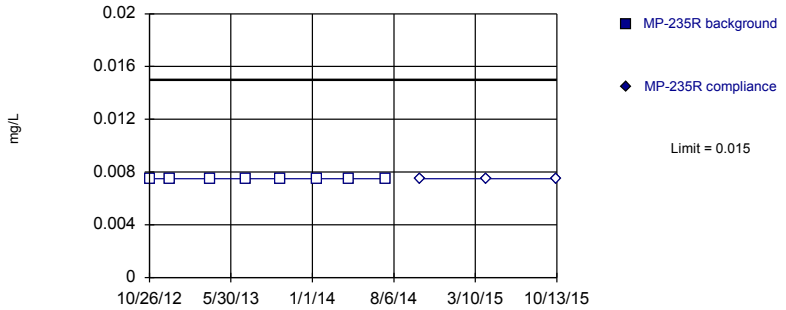

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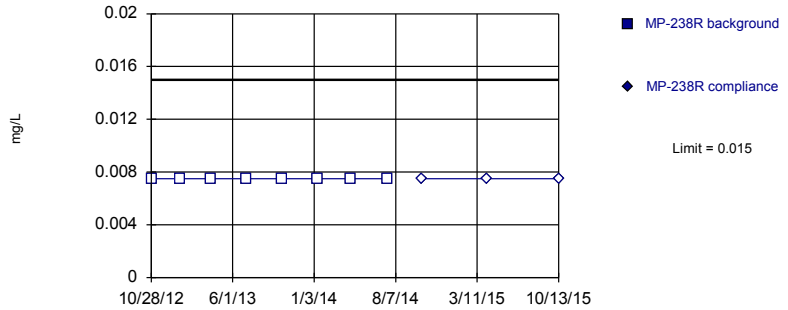

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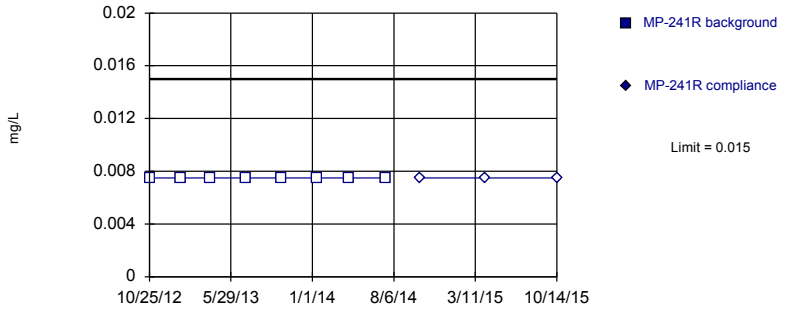

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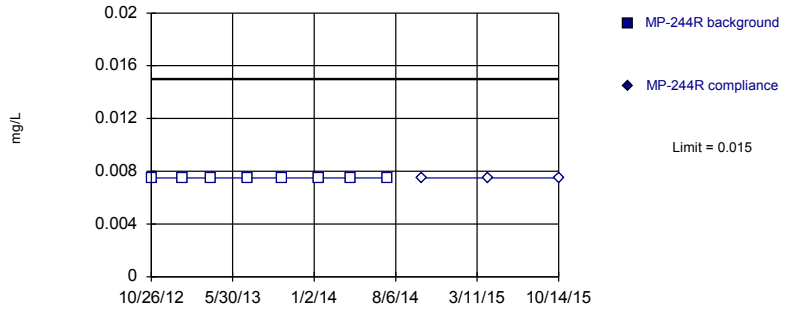

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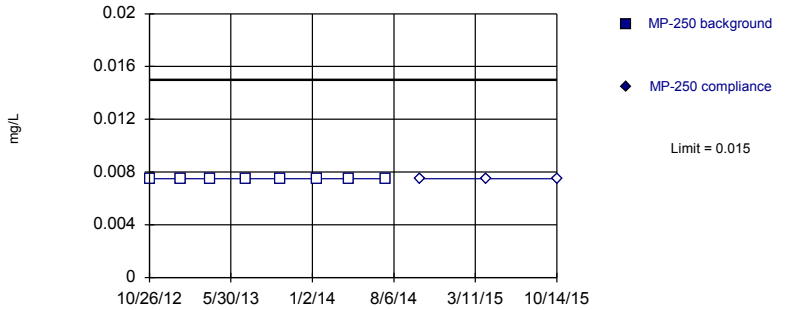

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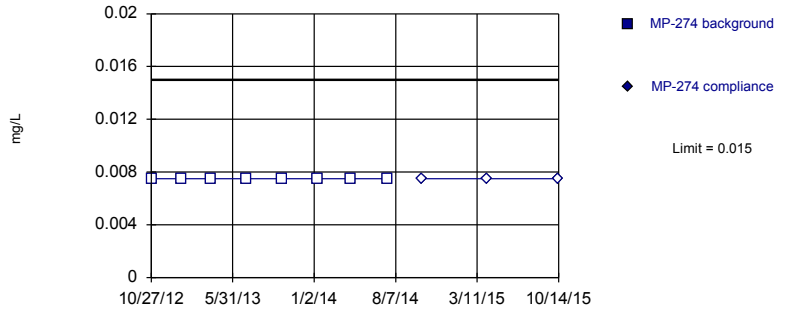

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Constituent: Selenium Dissolved Analysis Run 1/6/2016 12:54 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.
Within Limit

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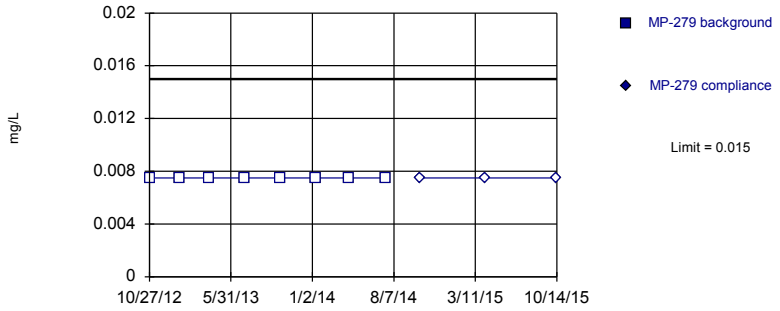

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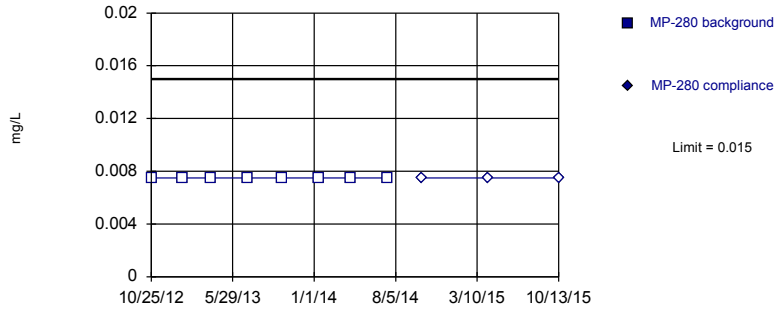

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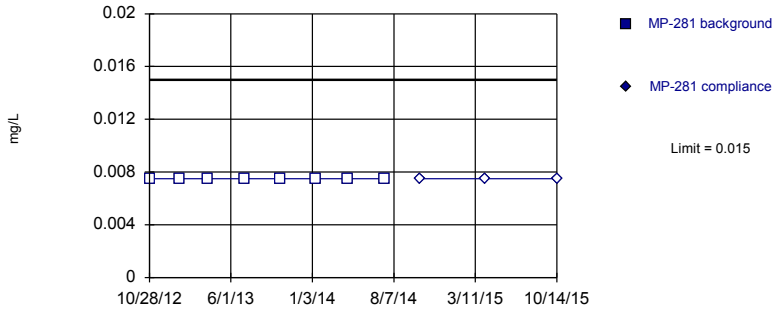

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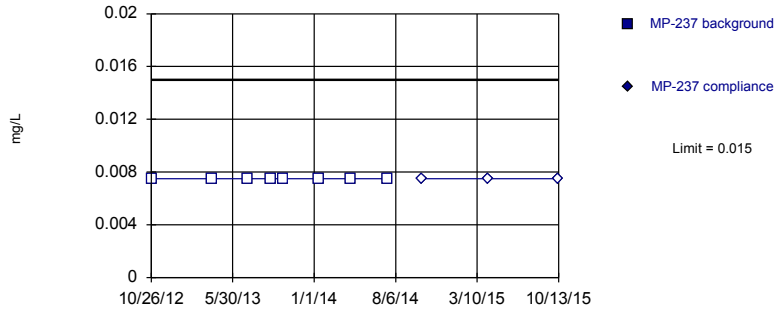

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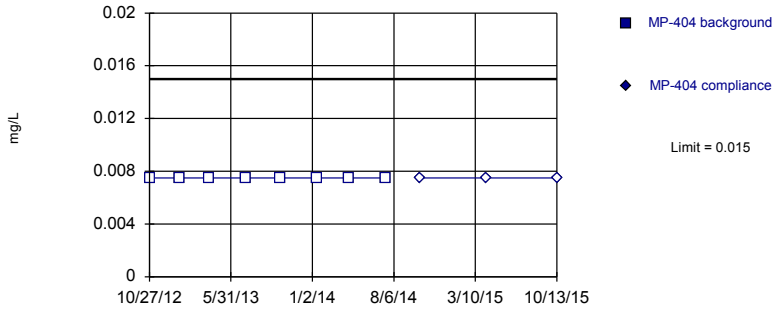

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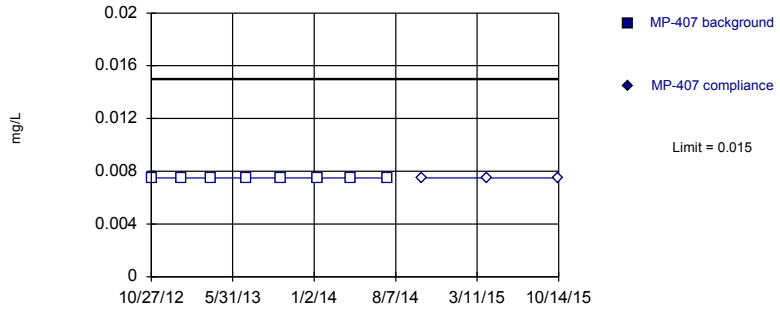

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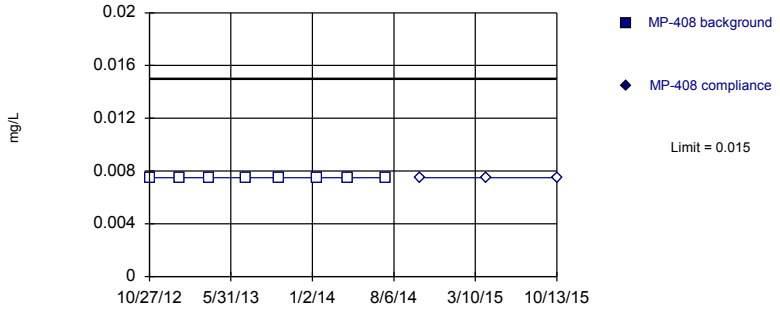

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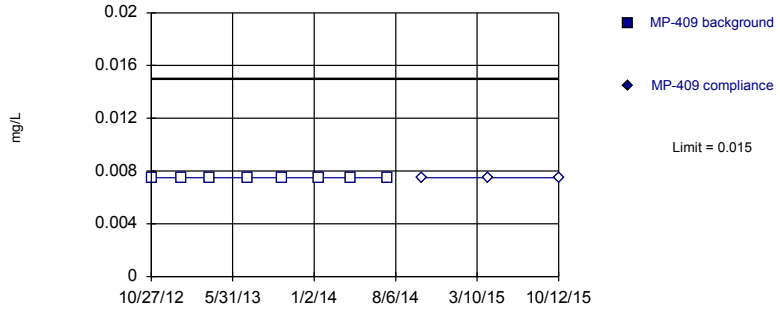

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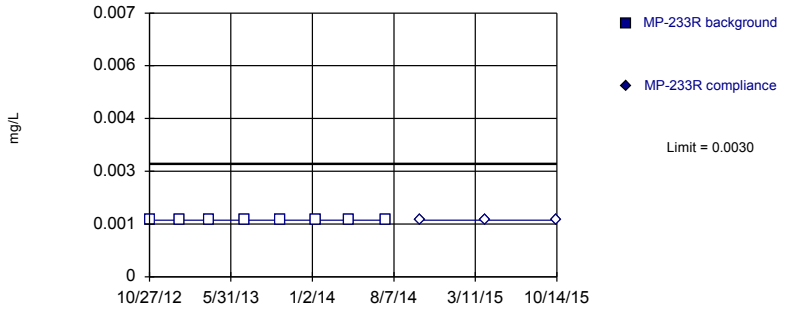

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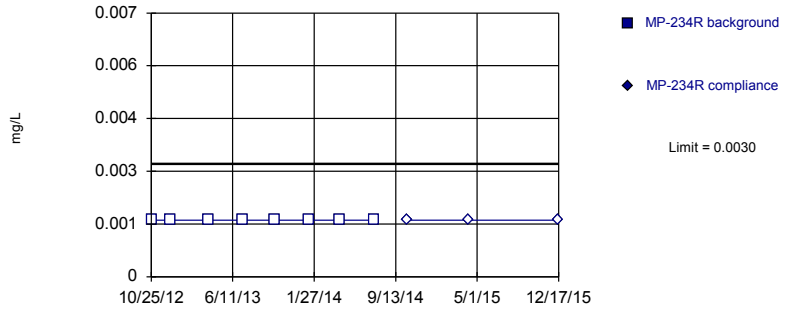

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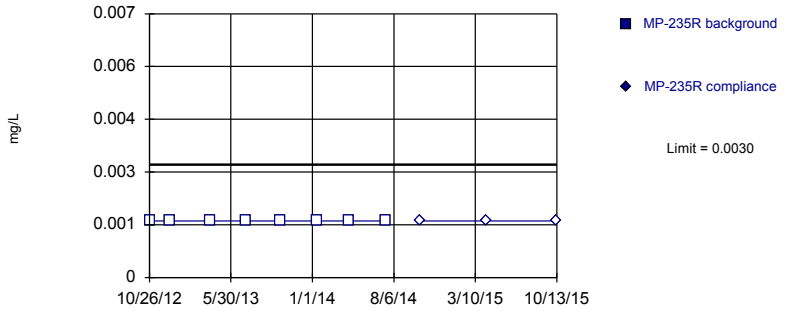

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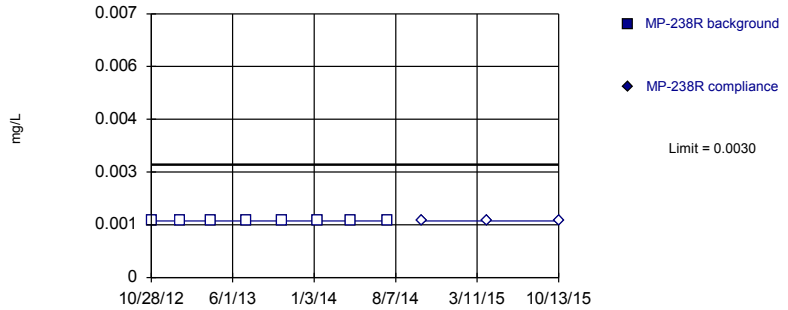

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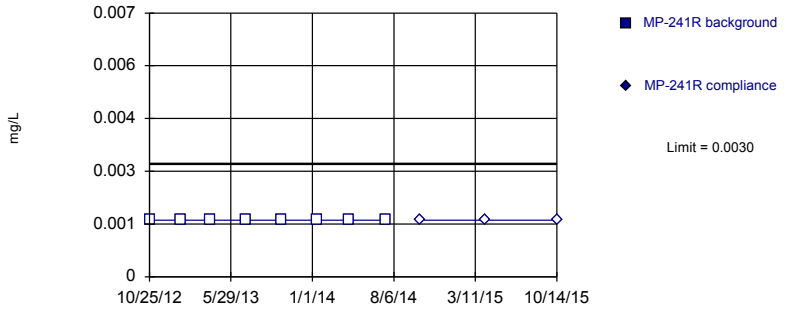

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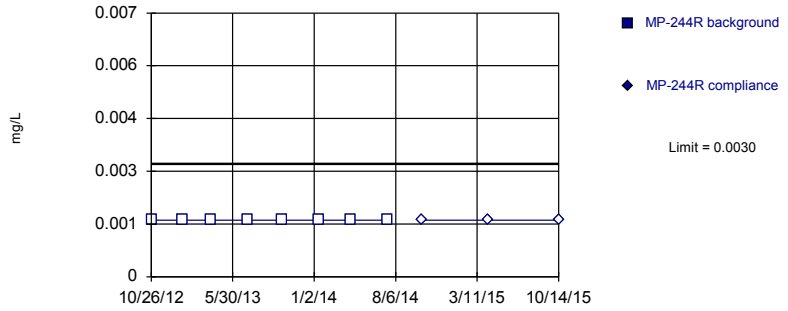

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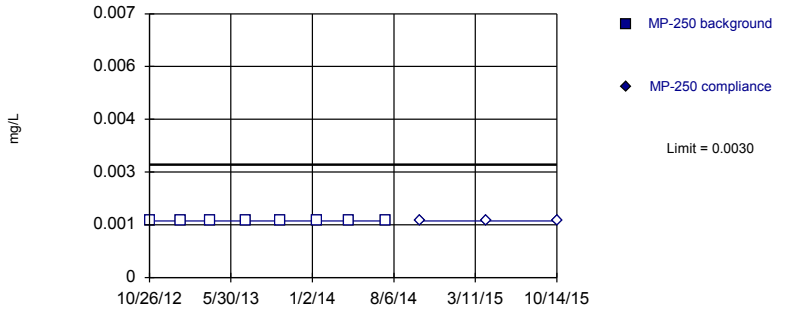

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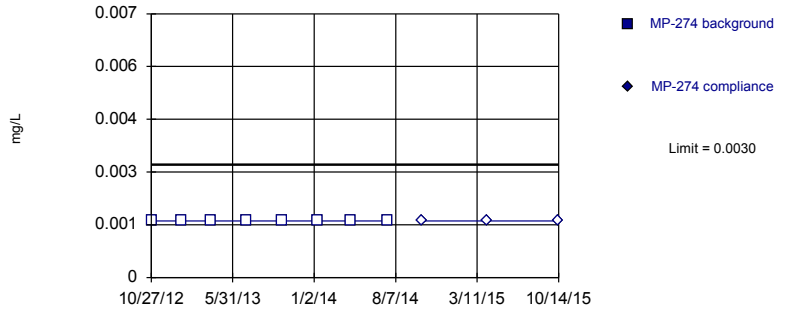

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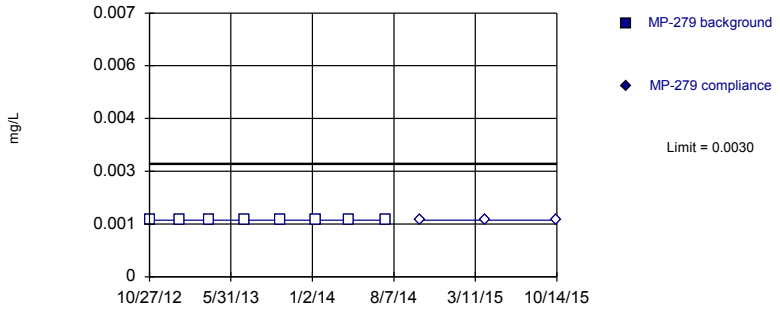

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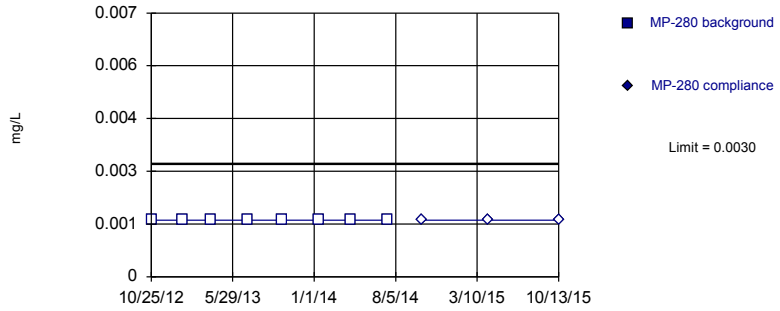

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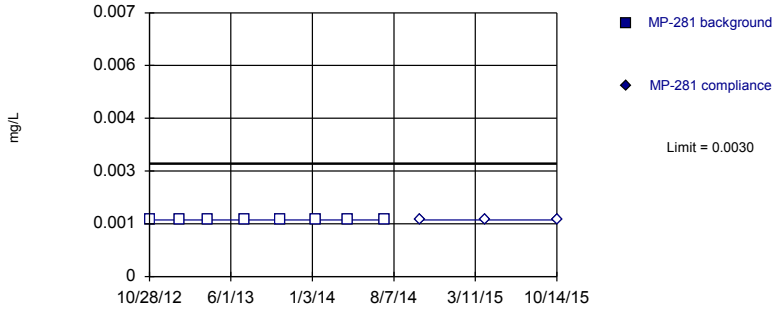

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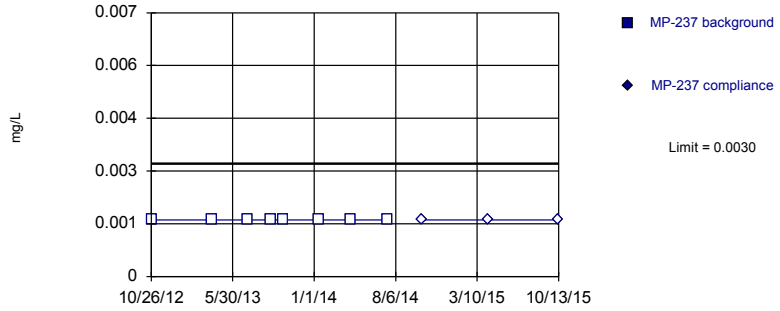

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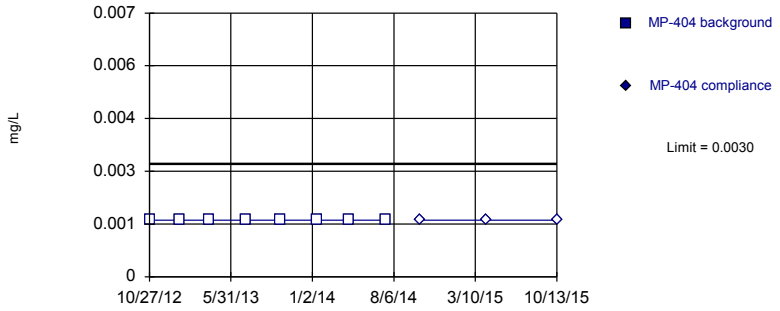

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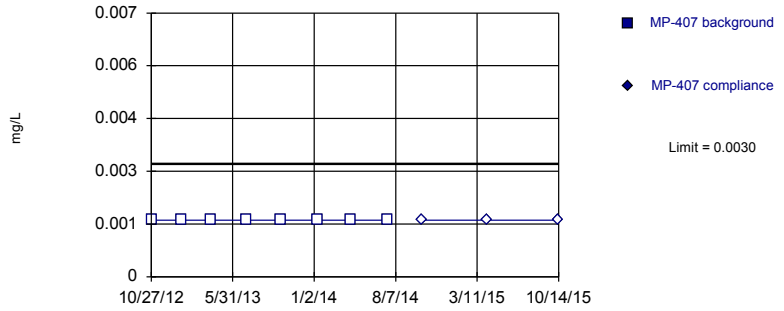

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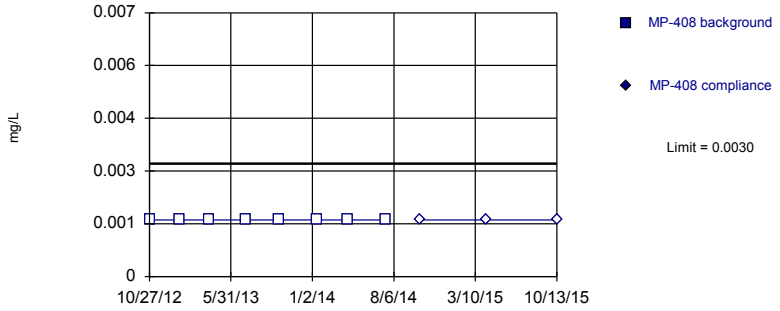

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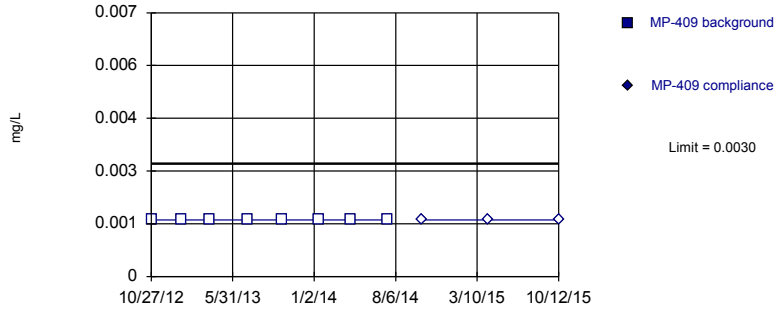

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 1/6/2016, 12:59 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Method
Arsenic Dissolved (mg/L)	MP-233R	0.013	10/14/2015	0.0055	No	14	0.00675	0.002254	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-234R	0.015	12/17/2015	0.0092	No	16	0.0068	0.003067	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-235R	0.0057	10/13/2015	0.0028	No	12	0.003075	0.0009127	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-238R	0.0010	10/13/2015	0.0005ND	No	12	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Arsenic Dissolved (mg/L)	MP-241R	0.0034	10/14/2015	0.0019	No	12	0.002	0.0004936	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-244R	0.0076	10/14/2015	0.0014	No	12	0.002825	0.001685	8.333	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-250	0.0047	10/14/2015	0.0015	No	12	0.002	0.0009539	16.67	Kaplan-Meier	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-274	0.0039	10/14/2015	0.0023	No	12	0.002217	0.0006013	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-279	0.045	10/14/2015	0.015	No	26	0.024	0.008734	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-280	0.034	10/13/2015	0.024	No	37	0.02667	0.003118	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-281	0.0041	10/14/2015	0.0018	No	12	0.002342	0.0006037	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-237	0.0023	10/13/2015	0.0012	No	8	0.001188	0.0003091	12.5	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-404	0.0063	10/13/2015	0.0035	No	8	0.003025	0.0009301	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-407	0.0091	10/14/2015	0.0039	No	8	0.004963	0.001186	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-408	0.099	10/13/2015	0.078	No	8	0.055	0.01247	0	None	No	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-409	0.0039	10/12/2015	0.0022	No	8	0.002325	0.0004367	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-233R	0.55	10/14/2015	0.45	No	8	0.4713	0.02232	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-234R	0.051	1/4/2016	0.047	No	8	0.03925	0.003284	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-235R	0.052	10/13/2015	0.039	No	8	0.04338	0.002446	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-238R	0.053	10/13/2015	0.042	No	8	0.04313	0.00285	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-241R	0.057	10/14/2015	0.043	No	8	0.04863	0.002387	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-244R	0.027	10/14/2015	0.021	No	8	0.02263	0.001188	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-250	0.063	10/14/2015	0.042	No	8	0.04925	0.003882	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-274	0.5	10/14/2015	0.4	No	8	0.395	0.02976	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-279	1.1	10/14/2015	0.89	No	8	0.945	0.04036	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-280	0.37	10/13/2015	0.3	No	8	0.3375	0.008864	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-281	0.31	10/14/2015	0.28	No	8	0.275	0.009258	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-237	0.033	10/13/2015	0.027	No	8	0.02863	0.001302	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-404	0.44	10/13/2015	0.36	No	8	0.37	0.0207	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-407	0.81	10/14/2015	0.71	No	8	0.7113	0.02748	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-408	0.81	10/13/2015	0.7	No	8	0.6475	0.04528	0	None	No	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-409	0.12	10/12/2015	0.11	No	8	n/a	n/a	0	n/a	n/a	NP Intra (normality) 1 of 2
Cadmium Dissolved (mg/L)	MP-233R	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-234R	0.0010	12/17/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-235R	0.0010	10/13/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-238R	0.0010	10/13/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-241R	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-244R	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-250	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-274	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-279	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-280	0.0010	10/13/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-281	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-237	0.0010	10/13/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-404	0.0010	10/13/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-407	0.0010	10/14/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-408	0.0010	10/13/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-409	0.0010	10/12/2015	0.0005ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-233R	0.0096	10/14/2015	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-234R	0.0057	12/17/2015	0.0025ND	No	36	n/a	n/a	97.22	n/a	n/a	NP Intra (NDs) 1 of 2

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 1/6/2016, 12:59 PM

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	10/13/2015	0.0025ND	No	38	n/a	n/a	94.74	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-238R	0.0050	10/13/2015	0.0025ND	No	37	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-241R	0.0050	10/14/2015	0.0025ND	No	37	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-244R	0.0071	10/14/2015	0.0025ND	No	37	n/a	n/a	97.3	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-250	0.0050	10/14/2015	0.0025ND	No	36	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-274	0.0078	10/14/2015	0.0025ND	No	38	n/a	n/a	94.74	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-279	0.0050	10/14/2015	0.0025ND	No	35	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-280	0.0084	10/13/2015	0.0025ND	No	38	n/a	n/a	94.74	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-281	0.0071	10/14/2015	0.0025ND	No	38	n/a	n/a	94.74	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-237	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-404	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-407	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-408	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-409	0.0050	10/12/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-233R	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-234R	0.0050	12/17/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-235R	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-238R	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-241R	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-244R	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-250	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-274	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-279	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-280	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-281	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-237	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-404	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-407	0.0050	10/14/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-408	0.0050	10/13/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-409	0.0050	10/12/2015	0.0025ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-233R	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-234R	0.00020	12/17/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-235R	0.00020	10/13/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-238R	0.00020	10/13/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-241R	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-244R	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-250	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-274	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-279	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-280	0.00020	10/13/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-281	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-237	0.00020	10/13/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-404	0.00020	10/13/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-407	0.00020	10/14/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-408	0.00020	10/13/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-409	0.00020	10/12/2015	0.0001ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-233R	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-234R	0.015	12/17/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-235R	0.015	10/13/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-238R	0.015	10/13/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2

Prediction Limit

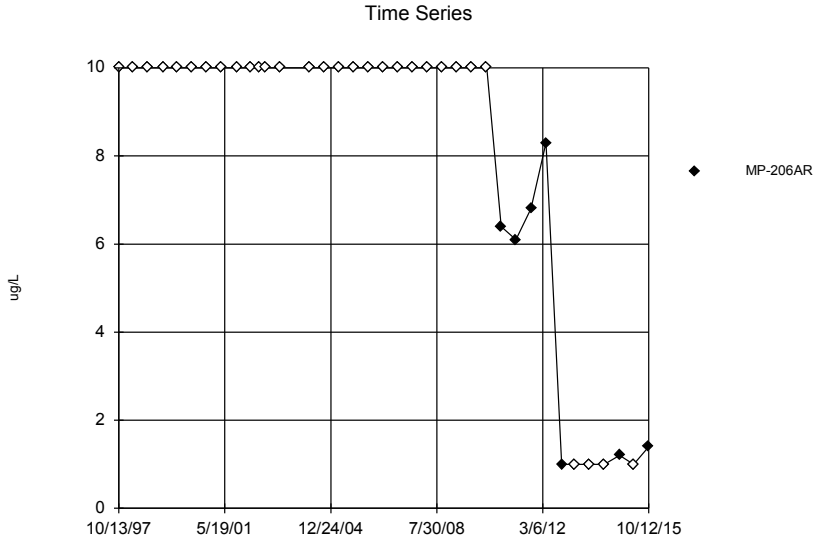
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 1/6/2016, 12:59 PM

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	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-244R	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-250	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-274	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-279	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-280	0.015	10/13/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-281	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-237	0.015	10/13/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-404	0.015	10/13/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-407	0.015	10/14/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-408	0.015	10/13/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-409	0.015	10/12/2015	0.0075ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-233R	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-234R	0.0030	12/17/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-235R	0.0030	10/13/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-238R	0.0030	10/13/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-241R	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-244R	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-250	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-274	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-279	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-280	0.0030	10/13/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-281	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-237	0.0030	10/13/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-404	0.0030	10/13/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-407	0.0030	10/14/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-408	0.0030	10/13/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-409	0.0030	10/12/2015	0.0015ND	No	8	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2

APPENDIX E.

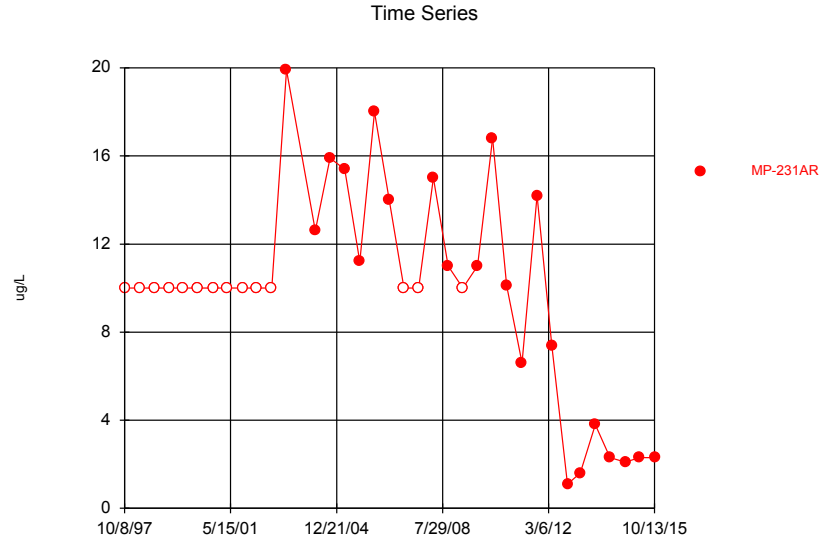
TIME-SERIES PLOTS OF METALS RESULTS
UPPER SAND WELLS

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.



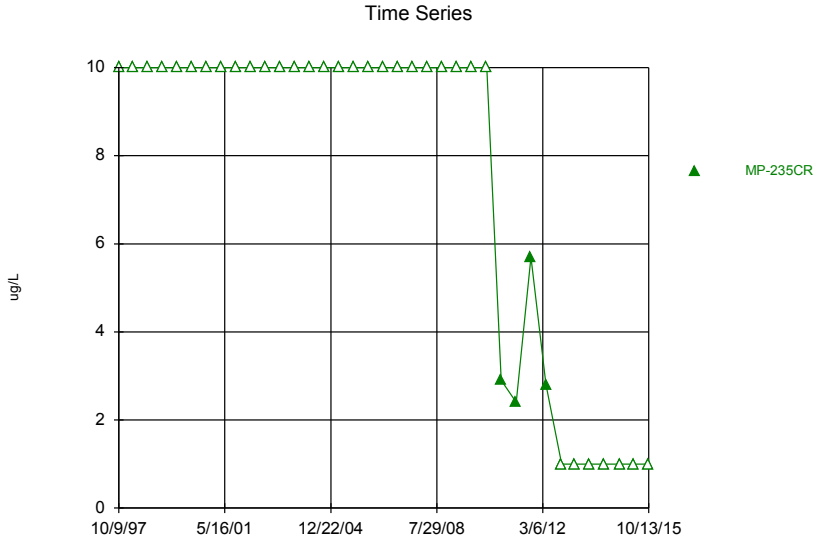
Constituent: Arsenic Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Seri
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.



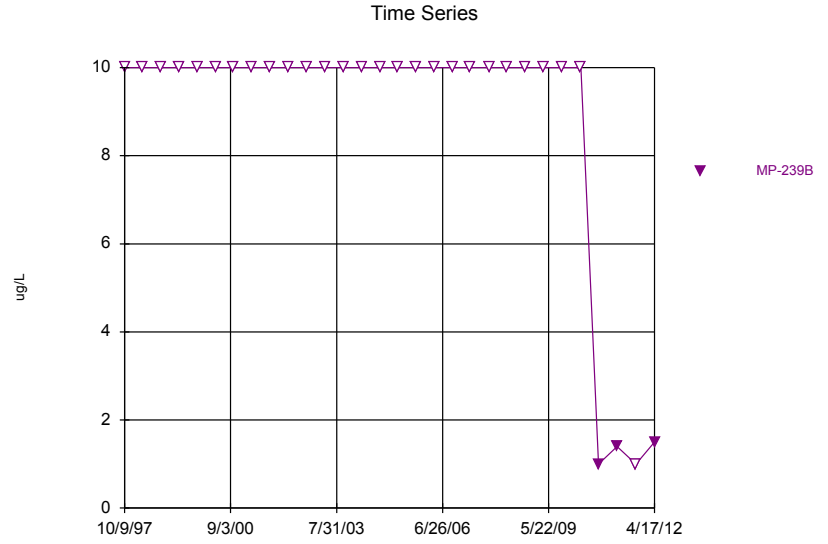
Constituent: Arsenic Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Seri
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.



Constituent: Arsenic Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Seri
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.



Constituent: Arsenic Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Seri
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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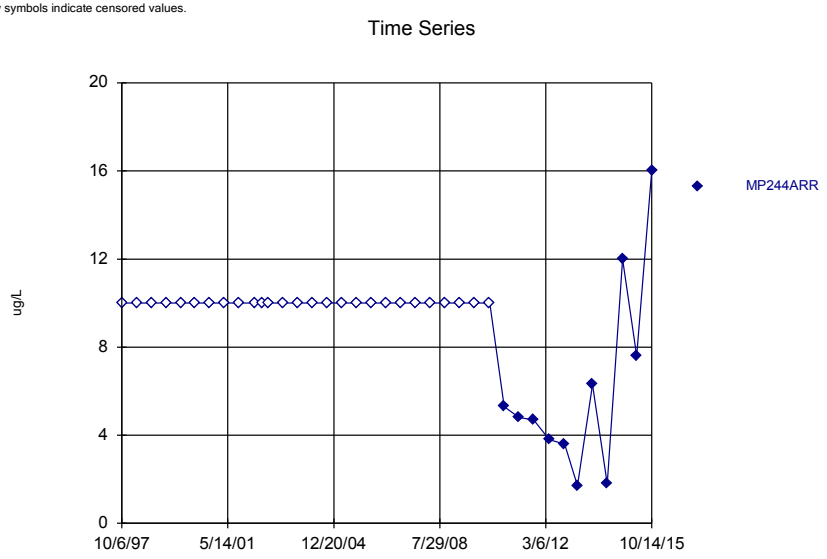
Hollow symbols indicate censored values.



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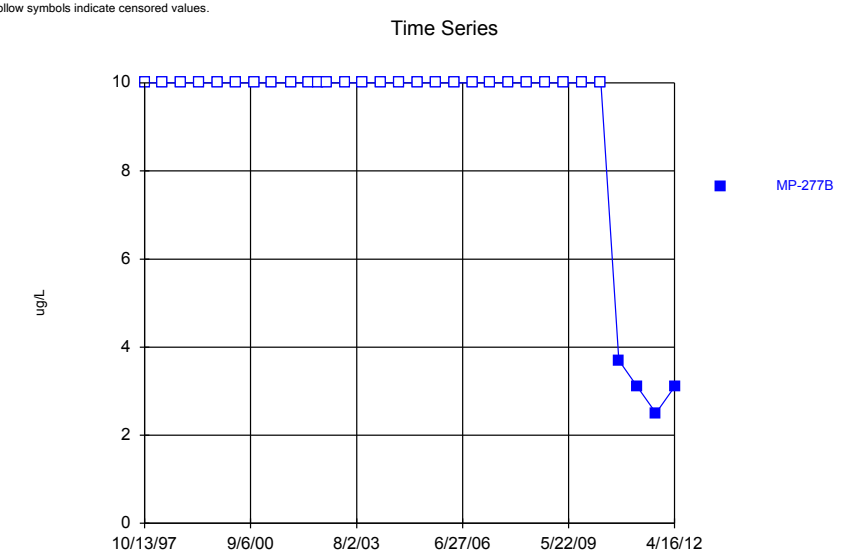

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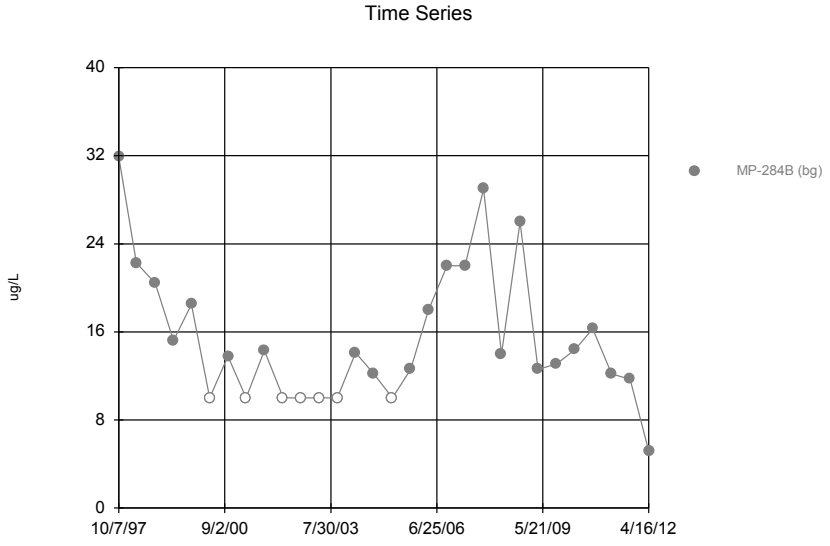

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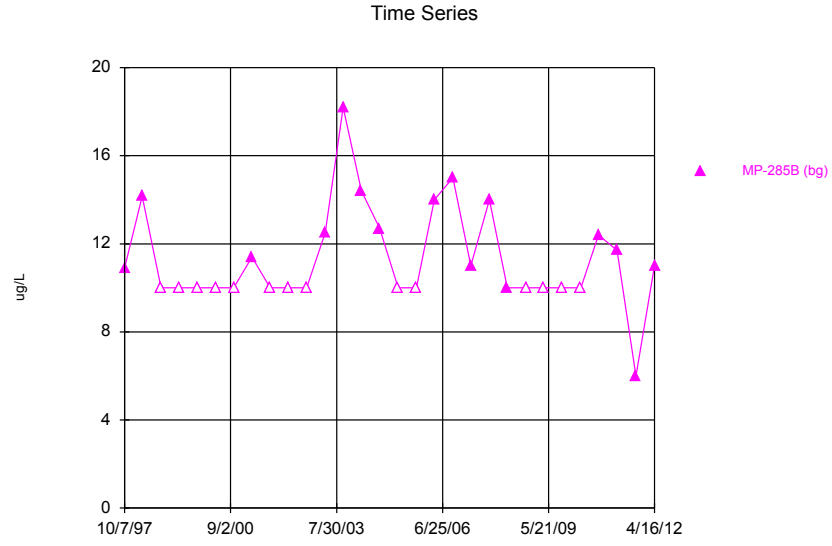

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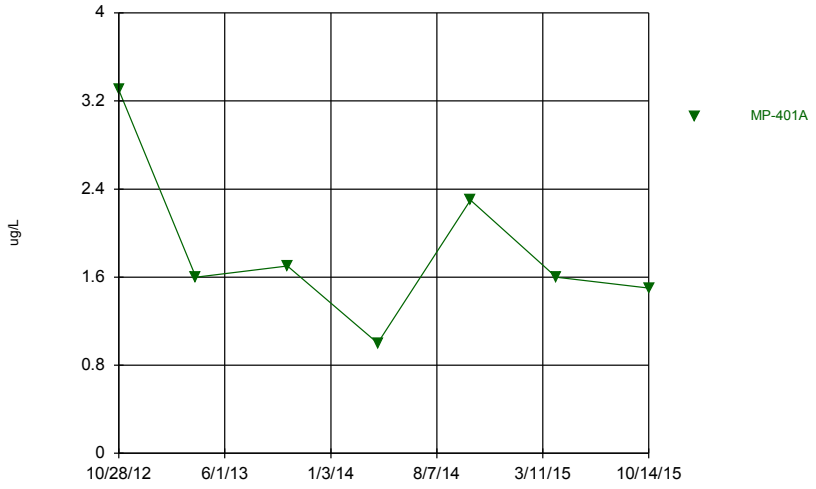
Time Series



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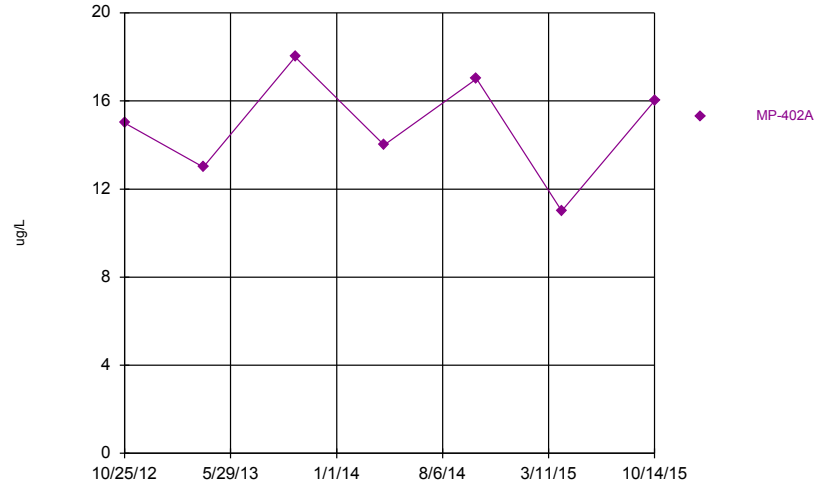

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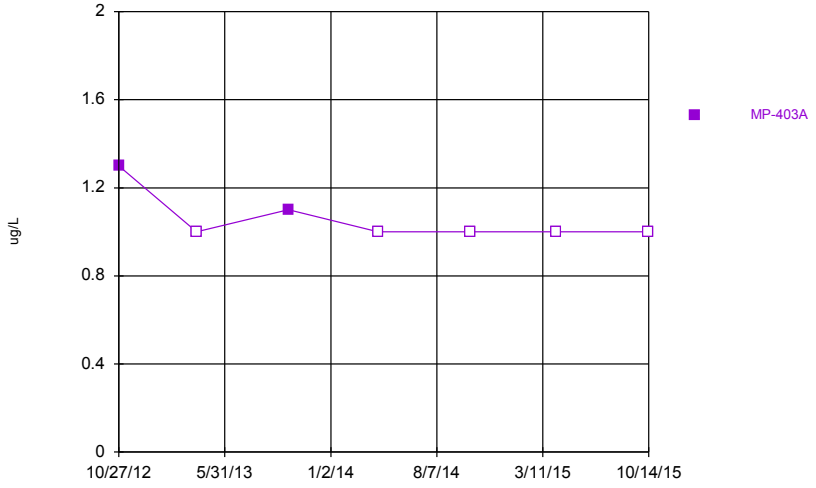

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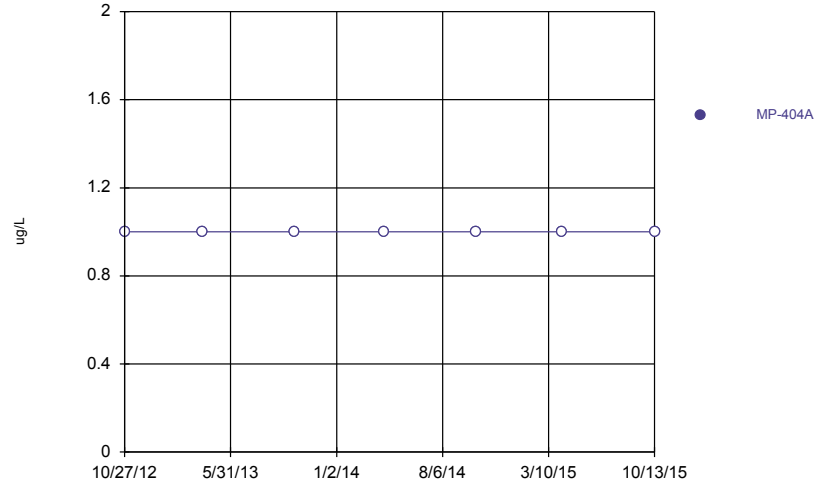

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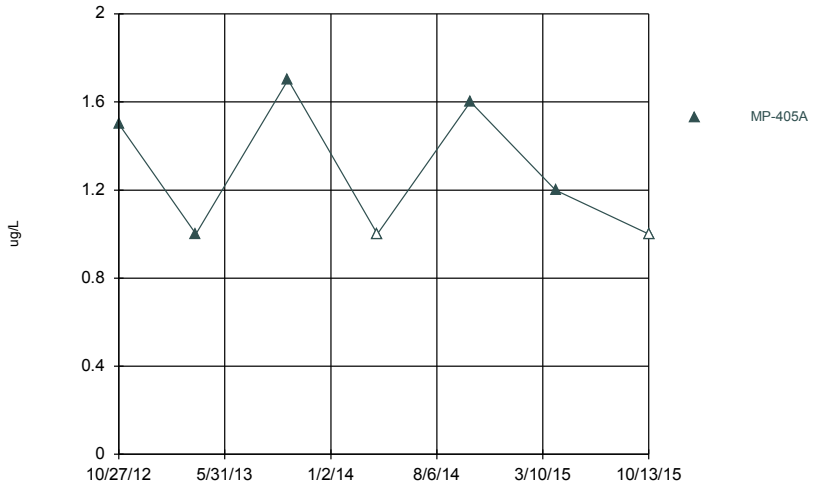

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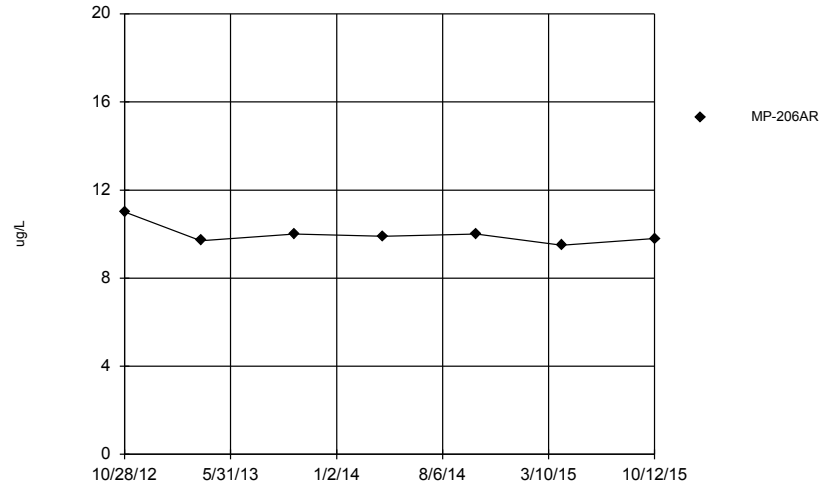

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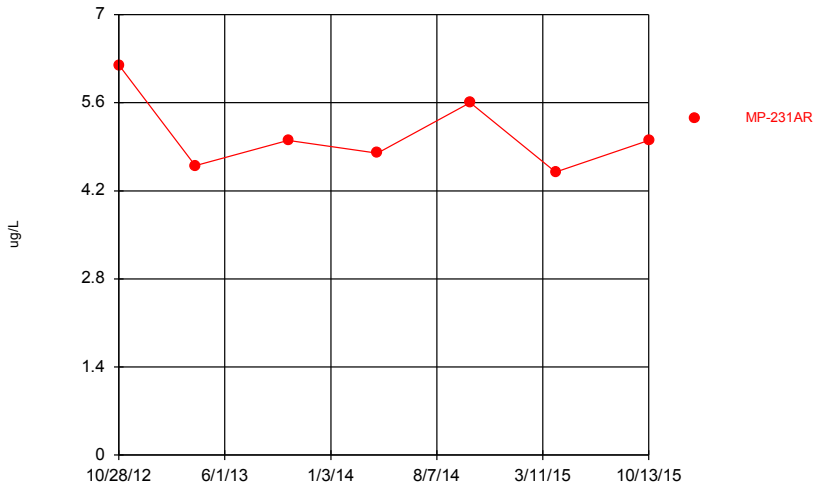
Time Series



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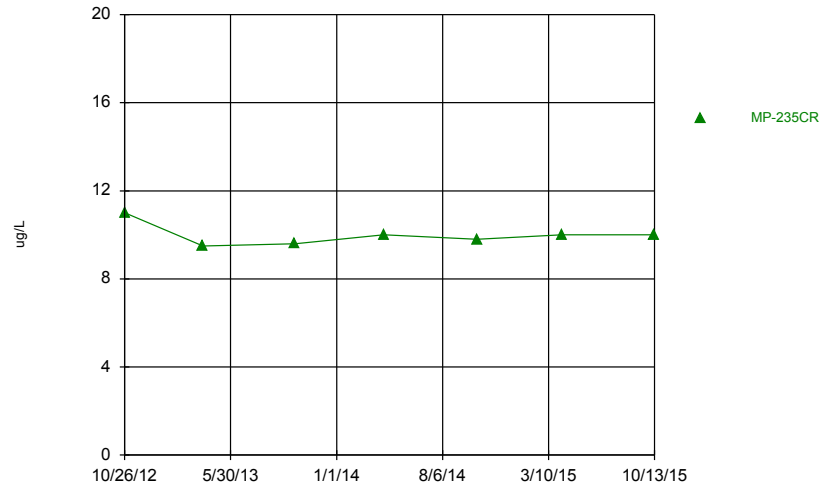

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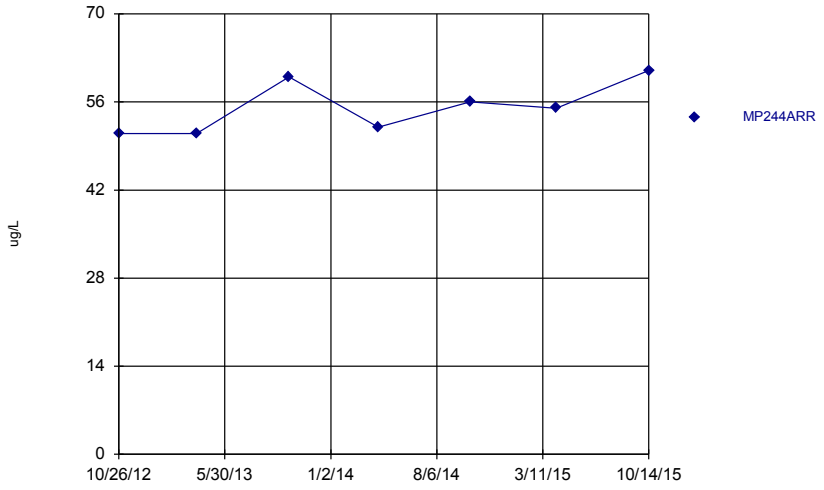

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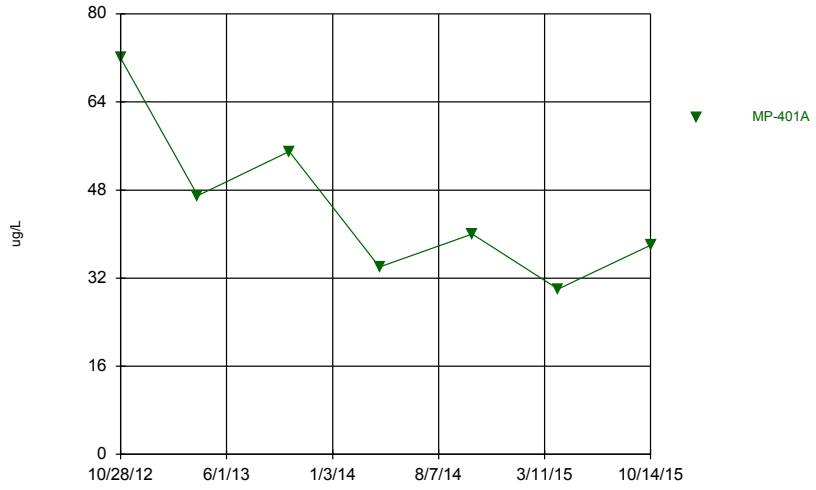

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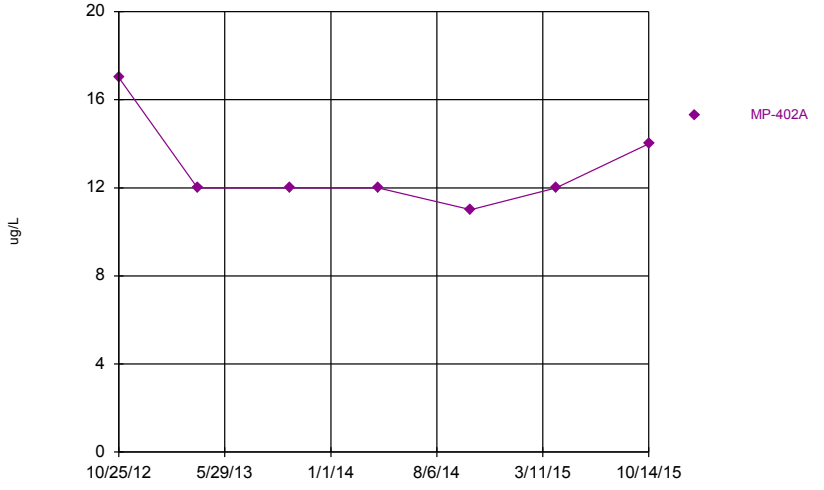

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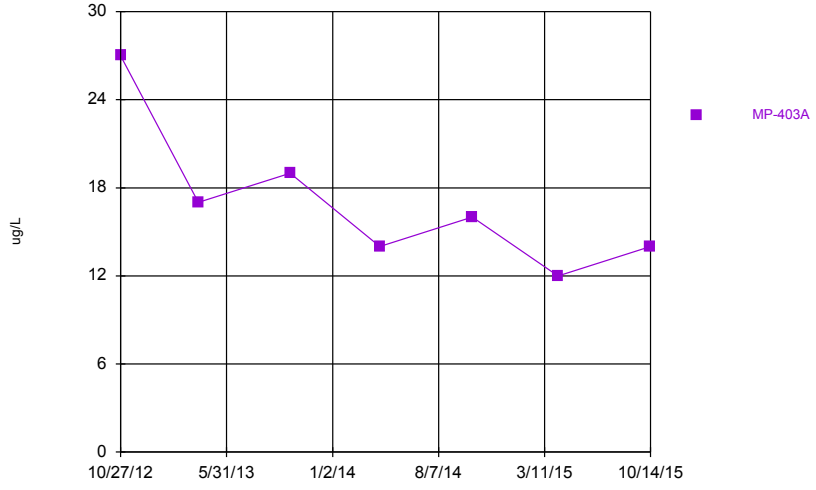

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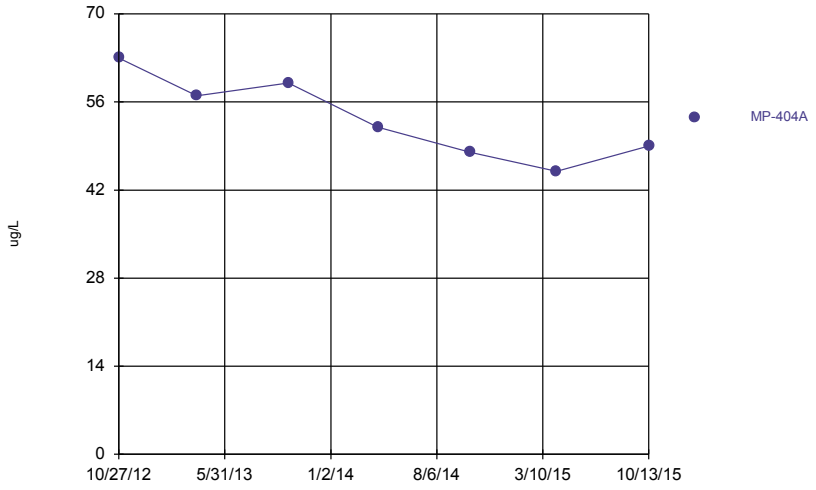

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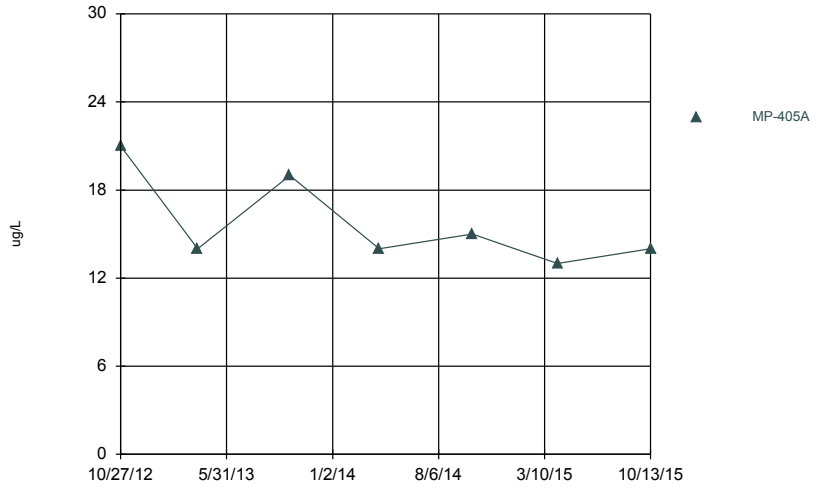

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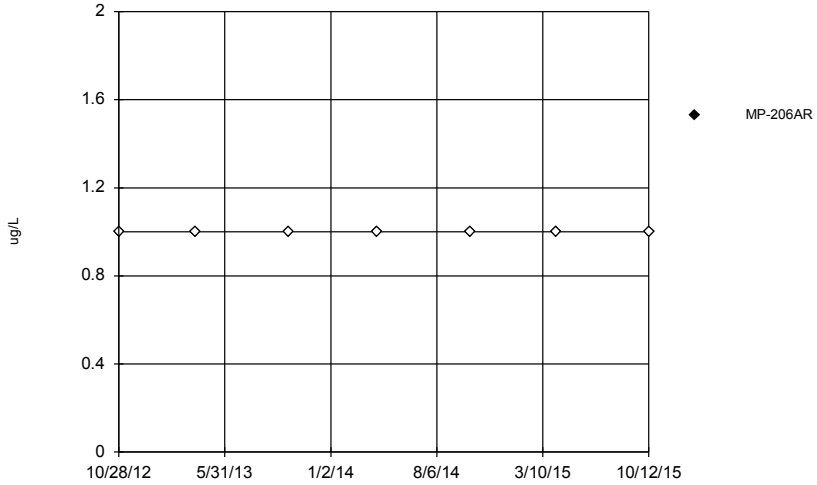
Time Series



Constituent: Cadmium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
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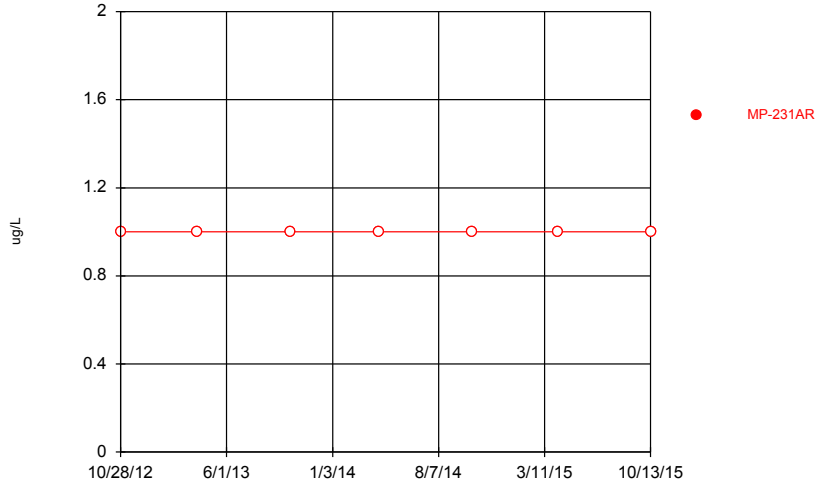

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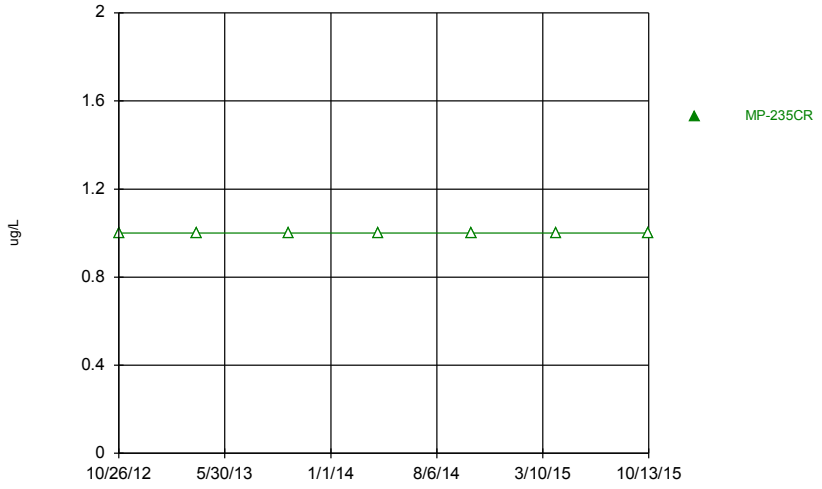

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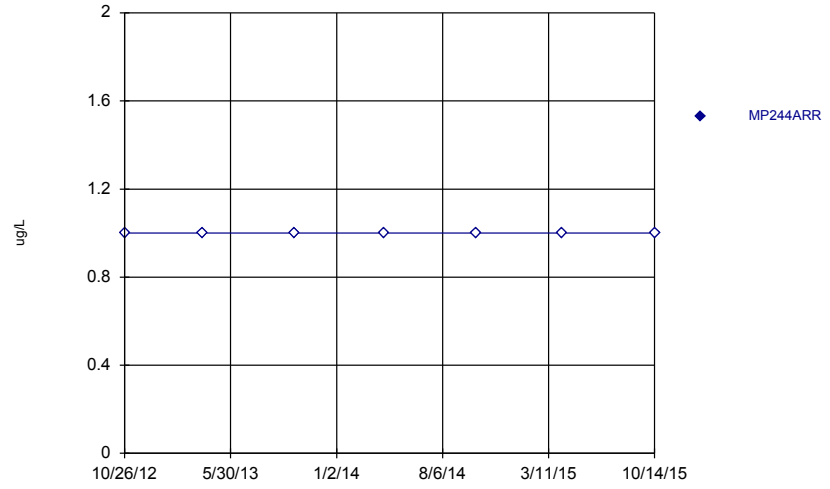

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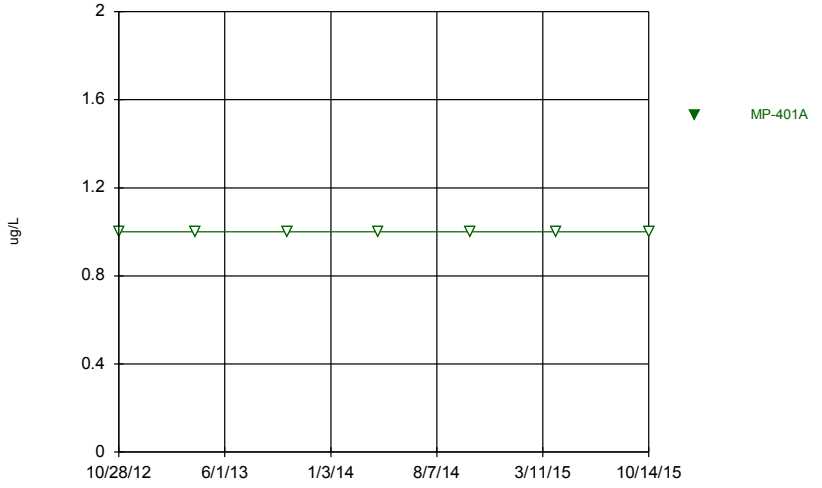

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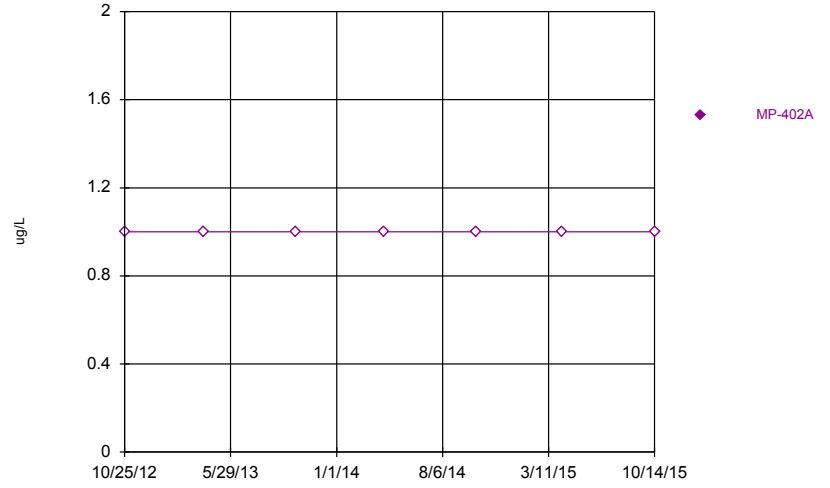

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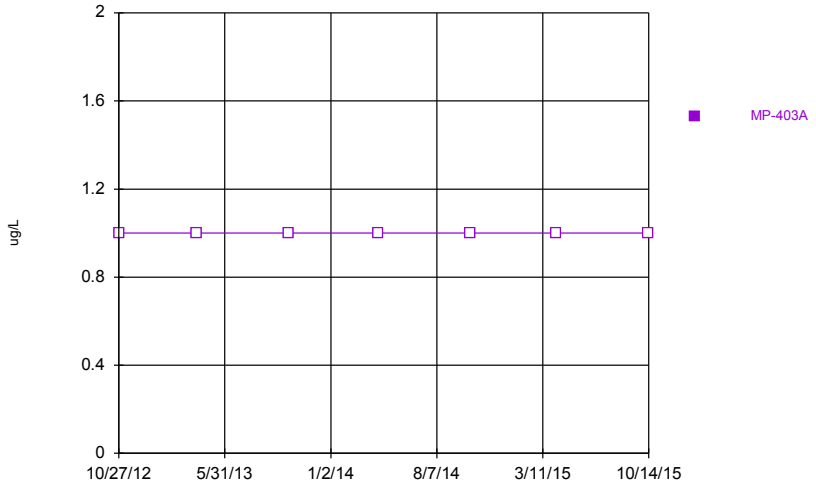

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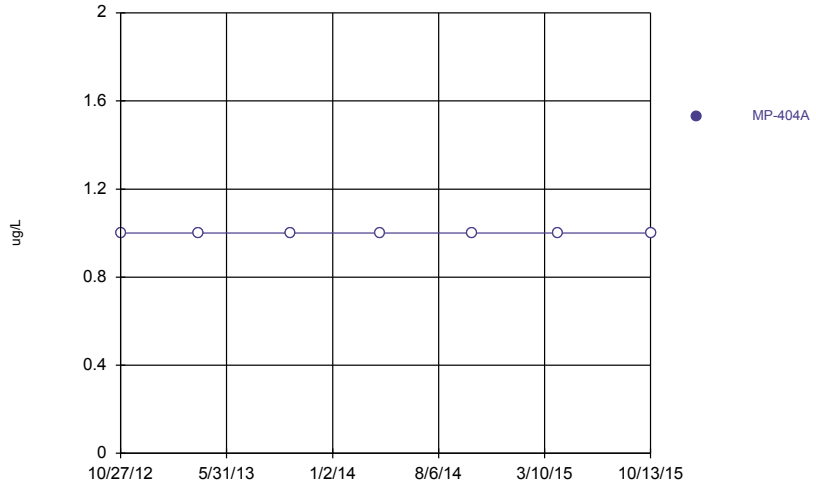

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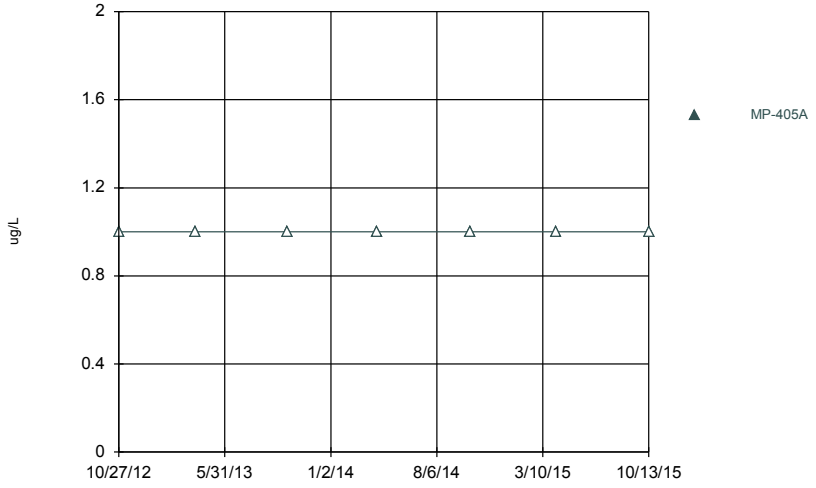

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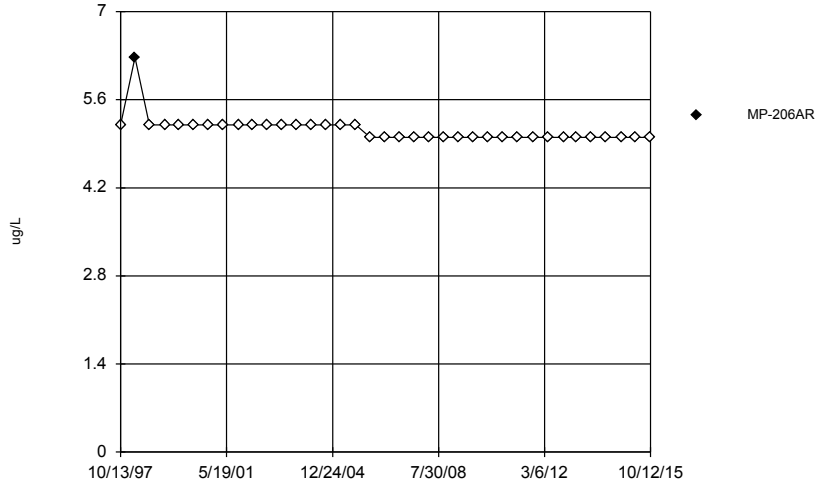

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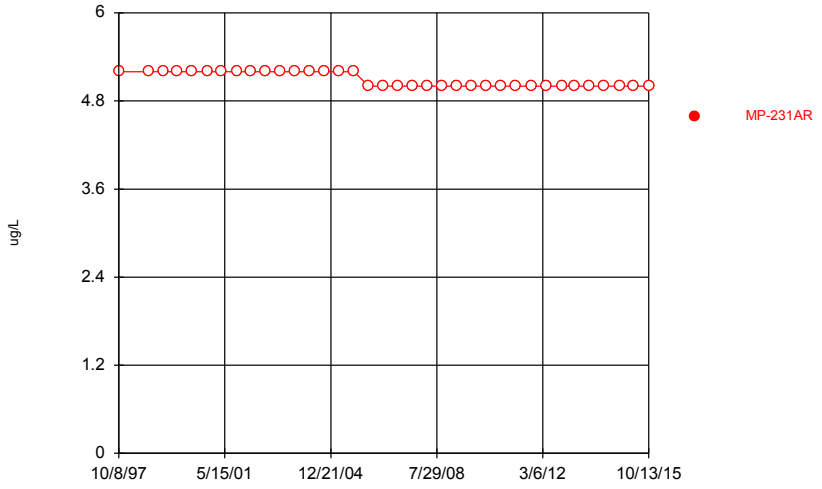

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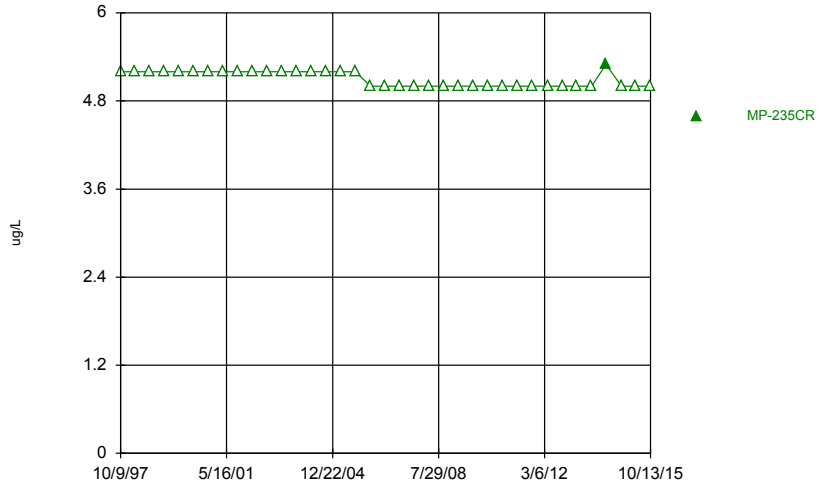

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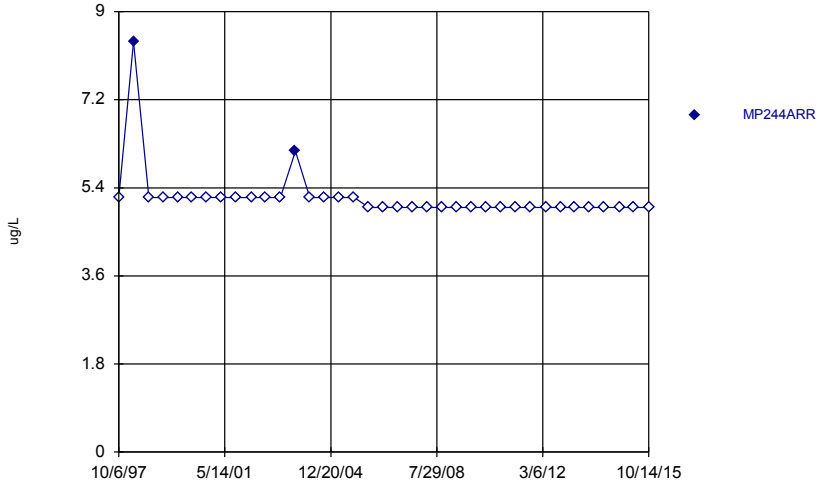

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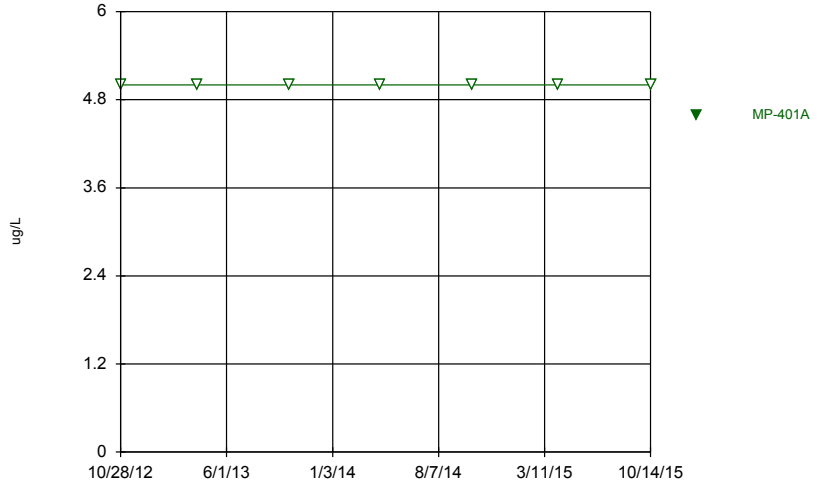

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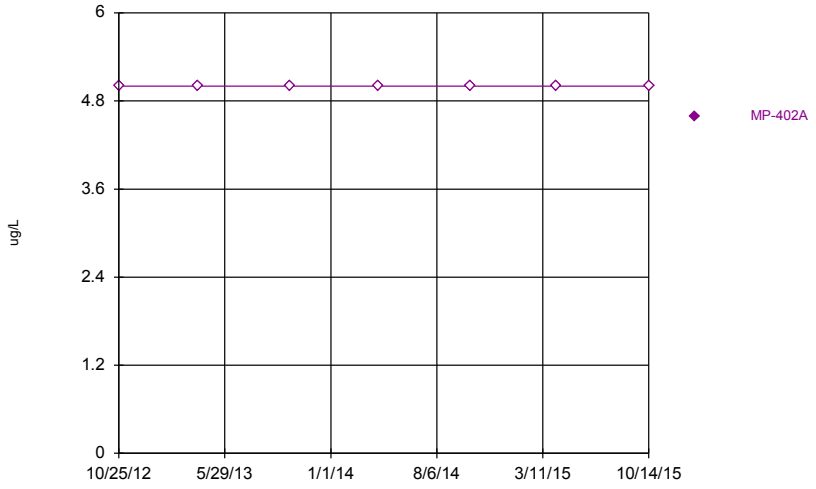

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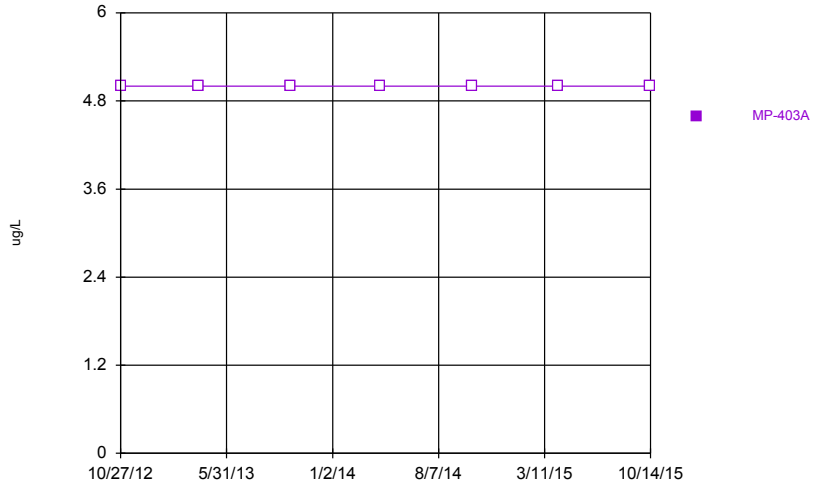

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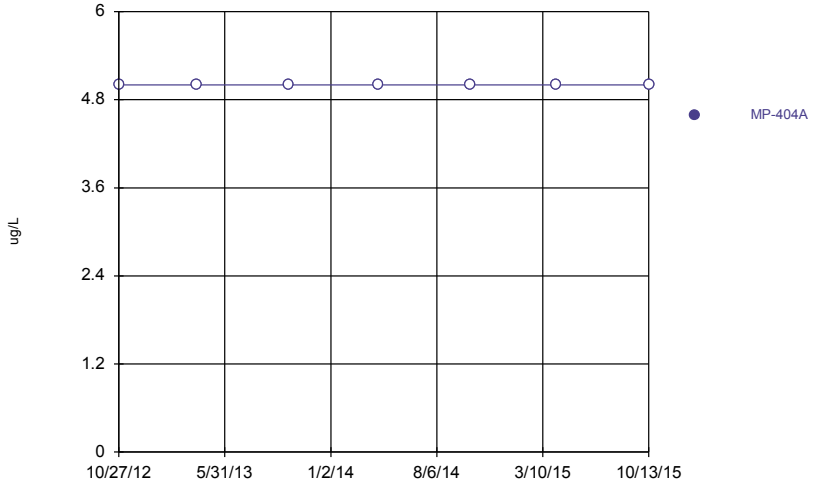

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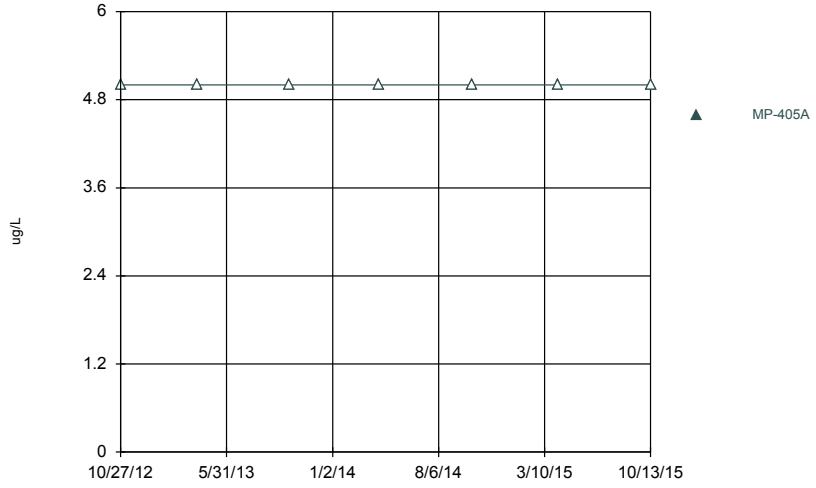

Constituent: Chromium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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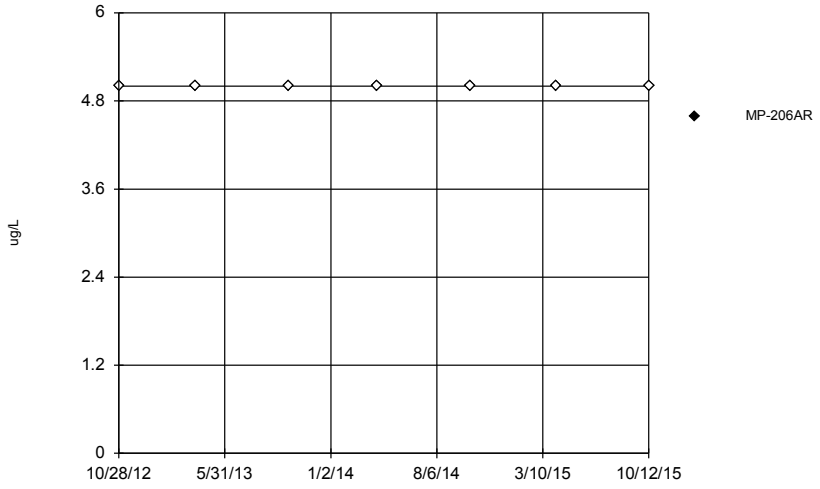
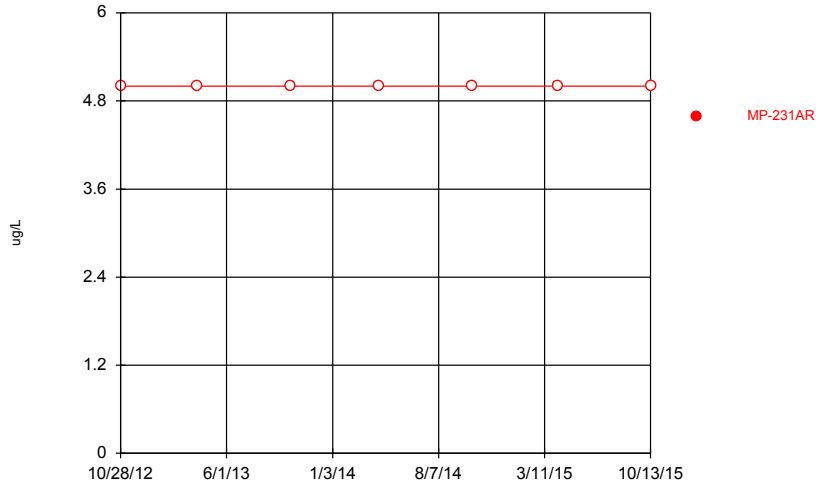
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

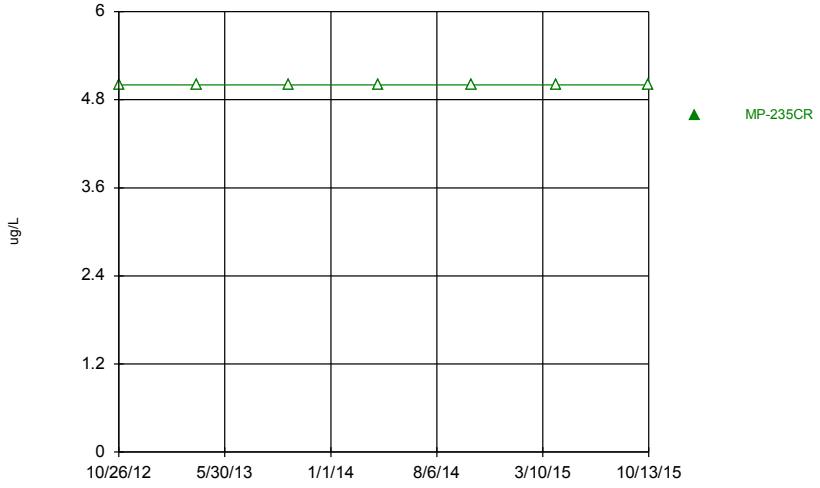
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

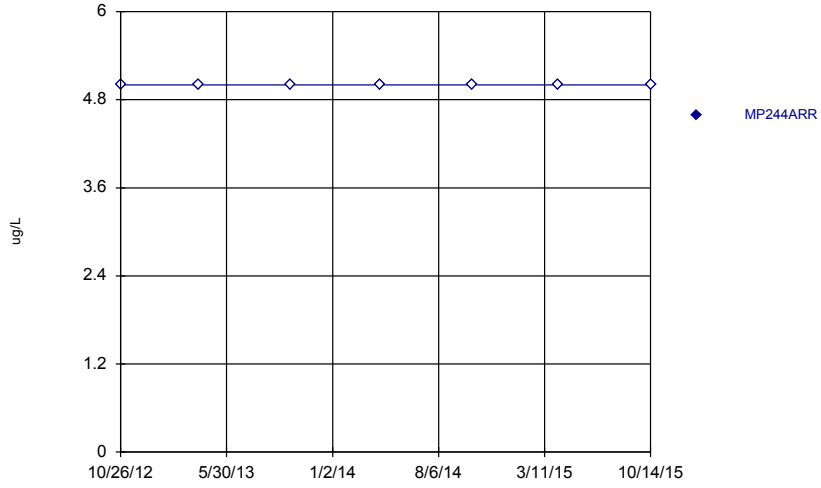
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

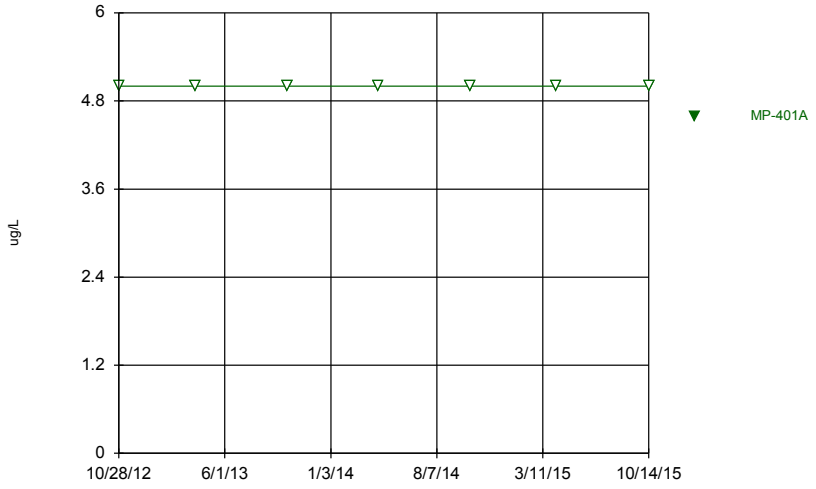
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

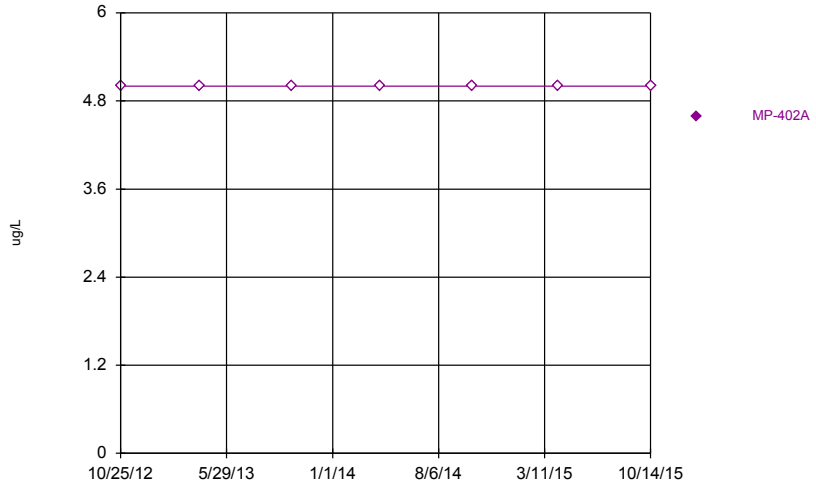
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

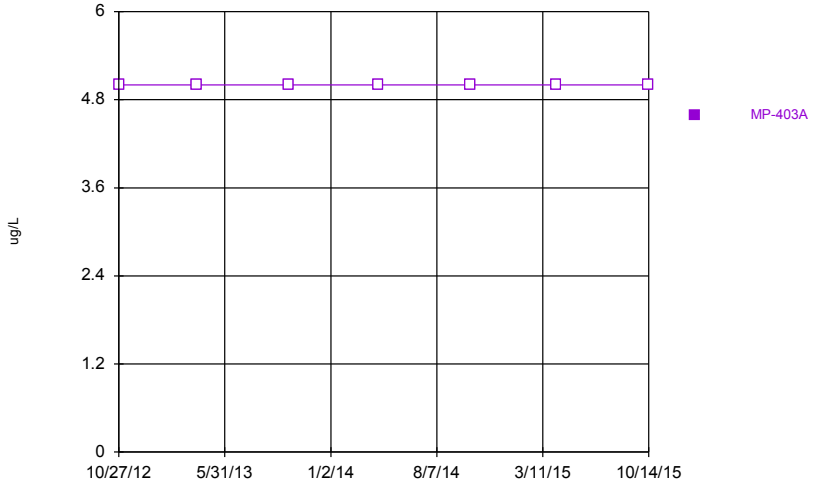
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

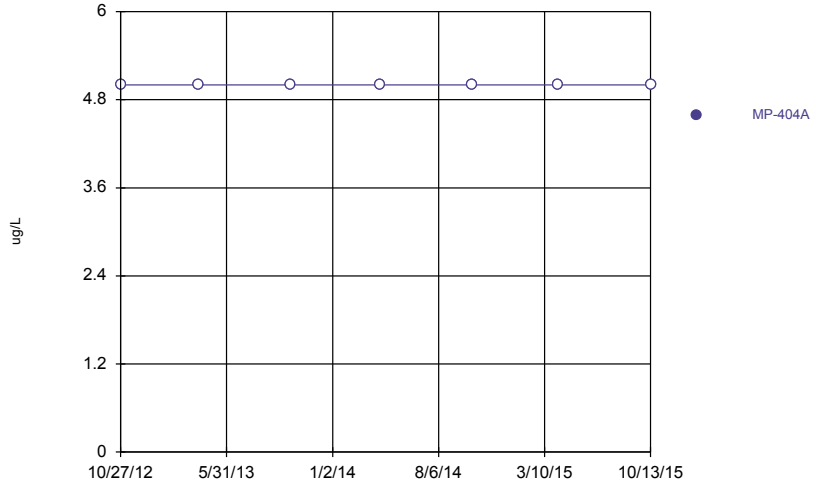
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

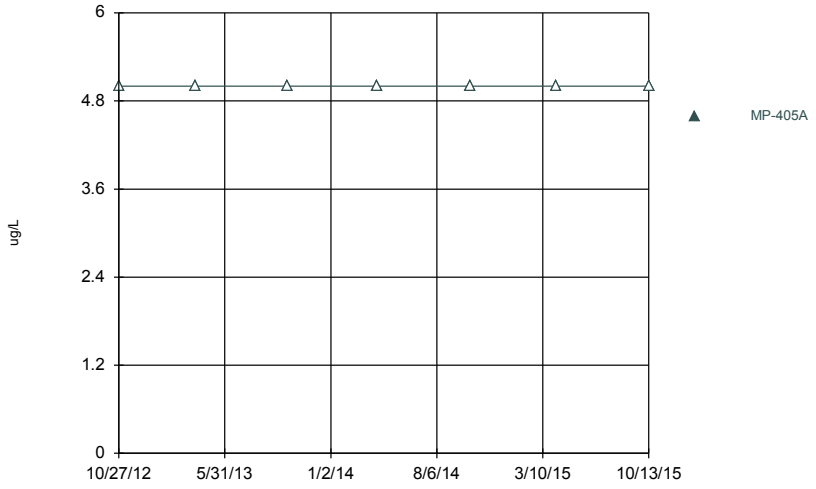
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

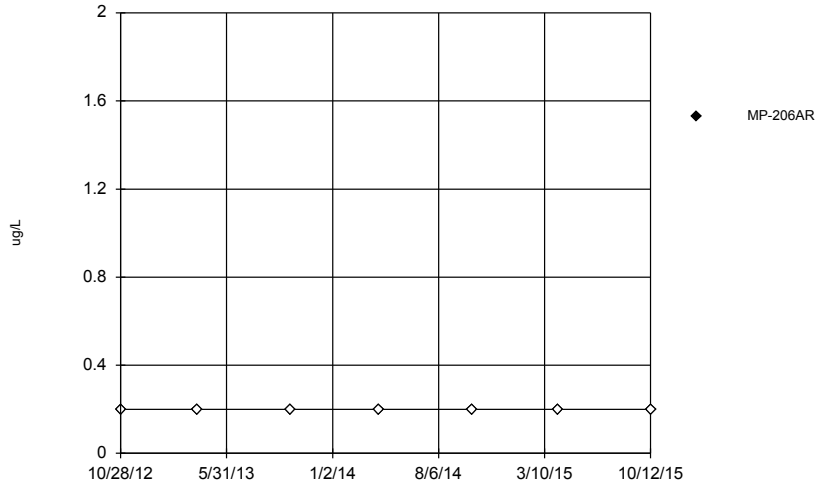
Time Series



Constituent: Lead Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

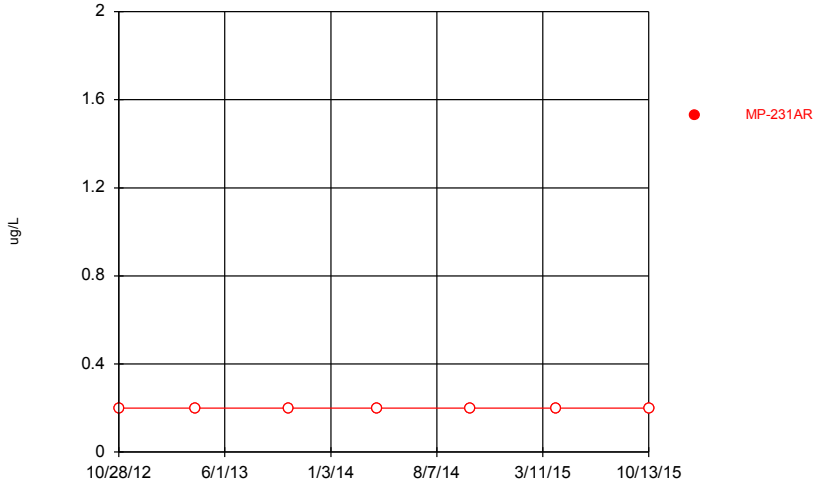
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

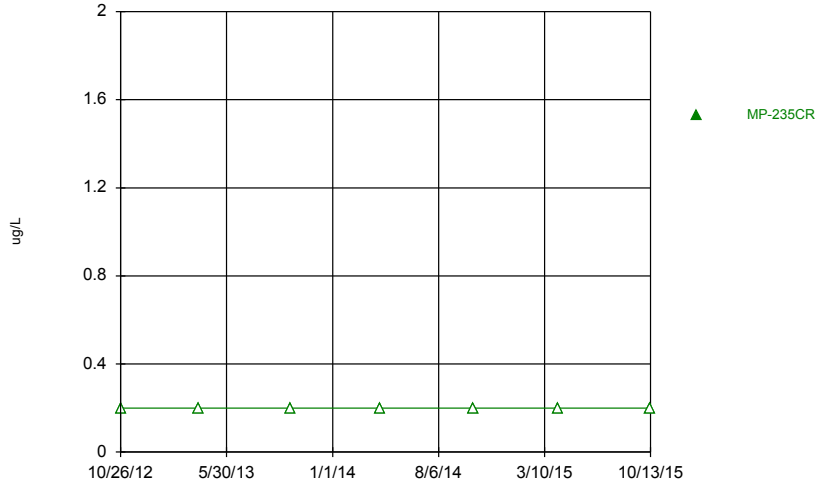
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

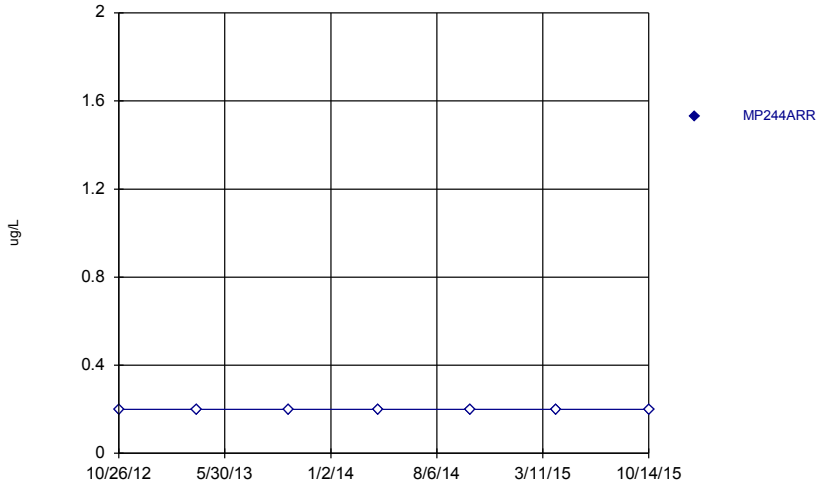
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

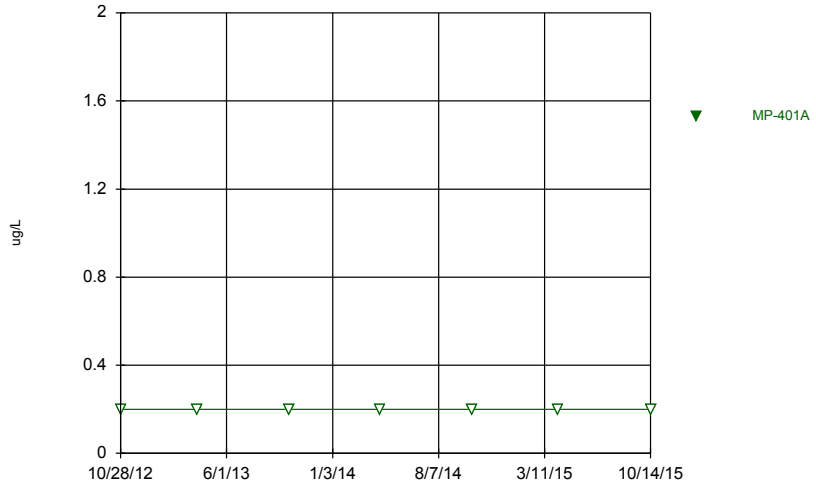
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

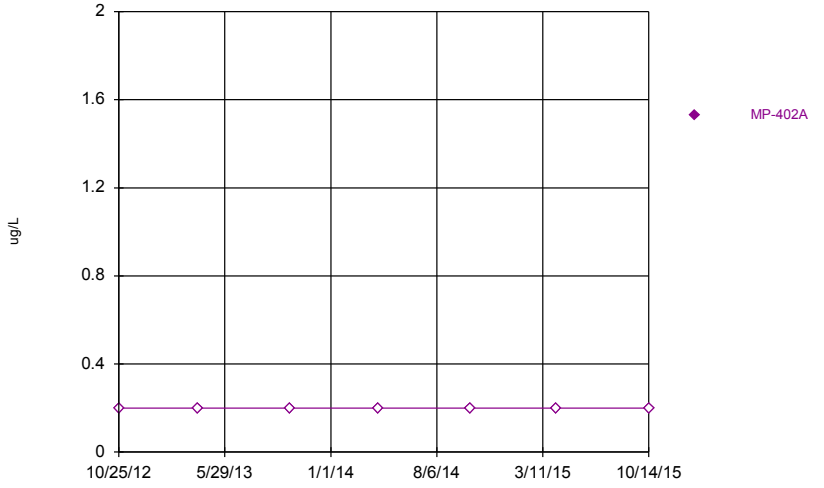
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

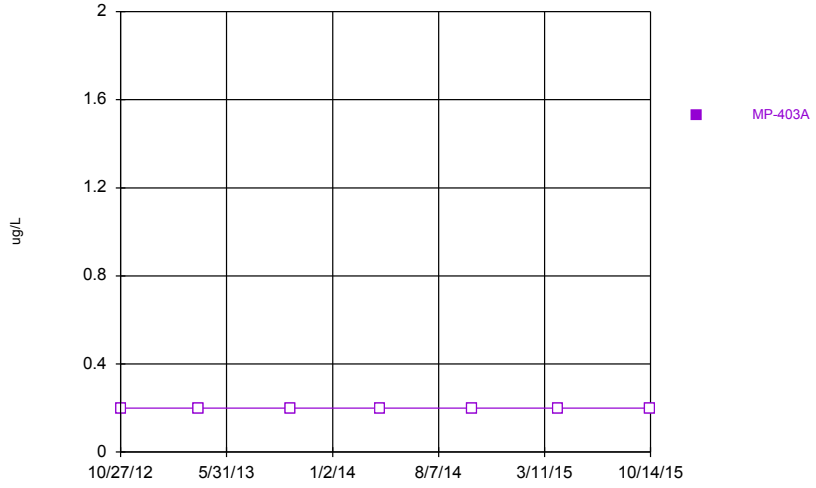
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

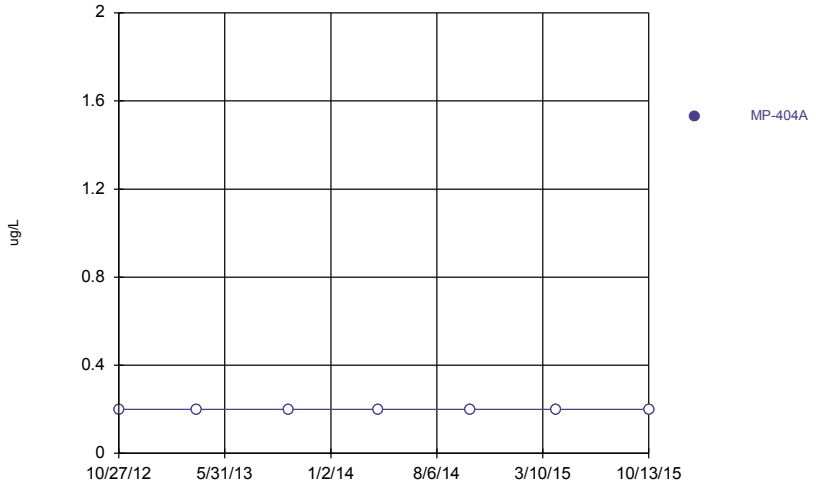
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

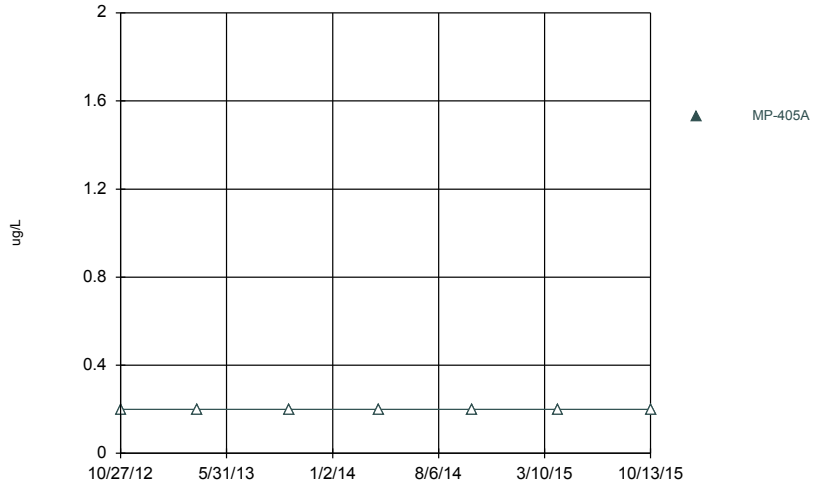
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

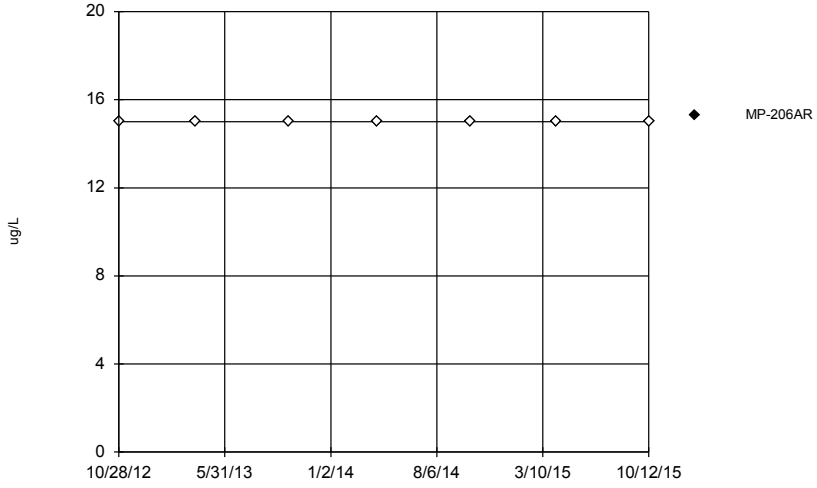
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Ser
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

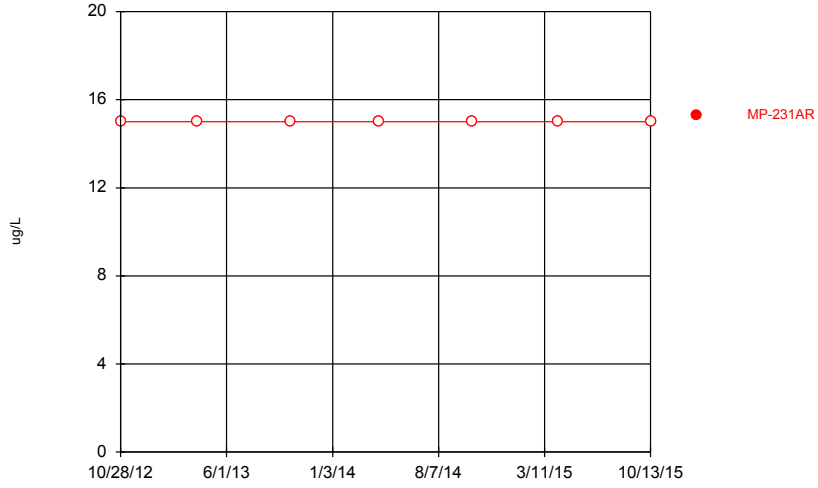
Time Series



Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

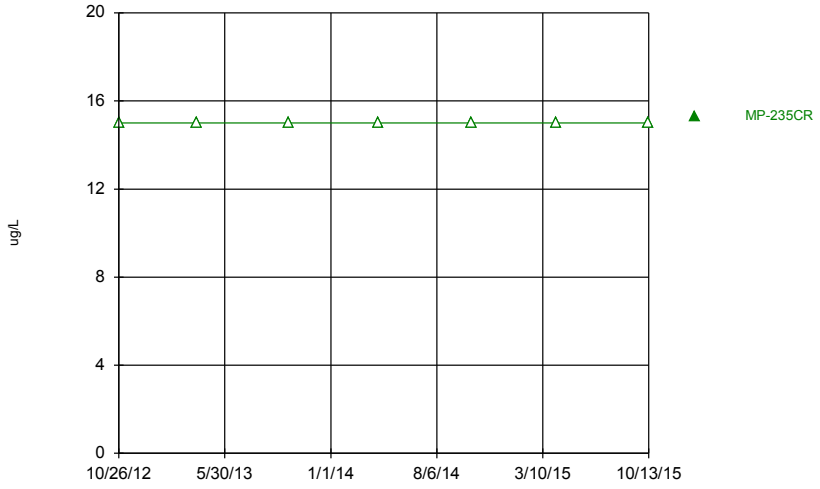
Time Series



Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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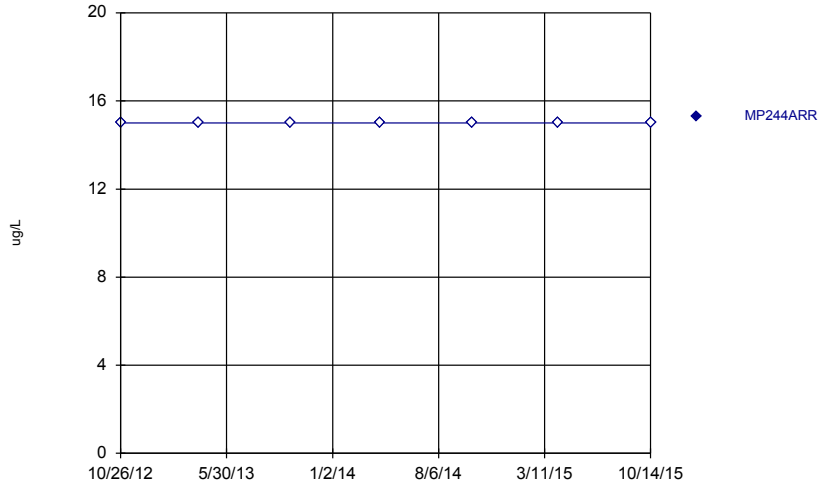
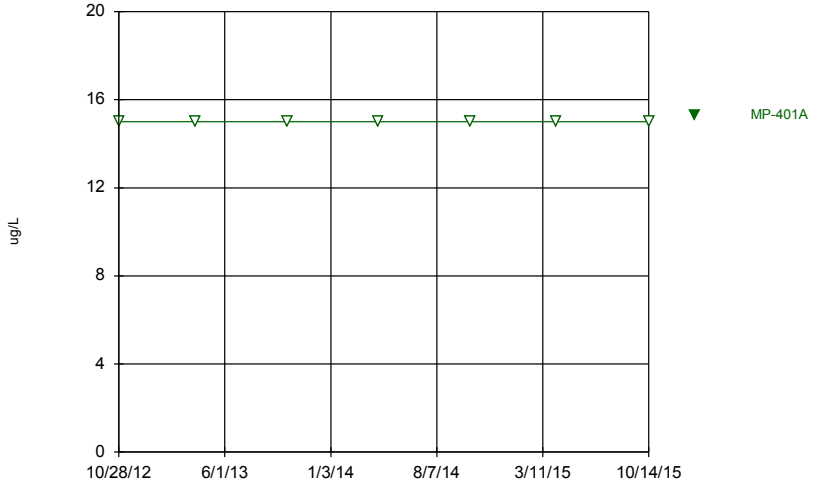


Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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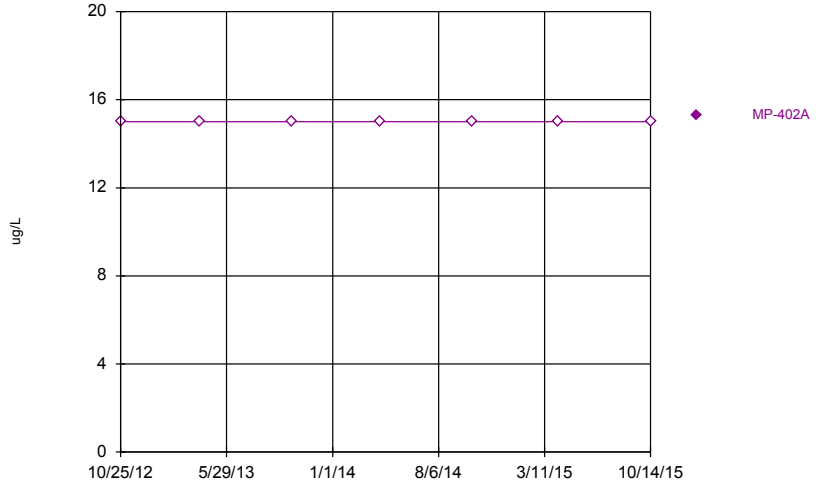

Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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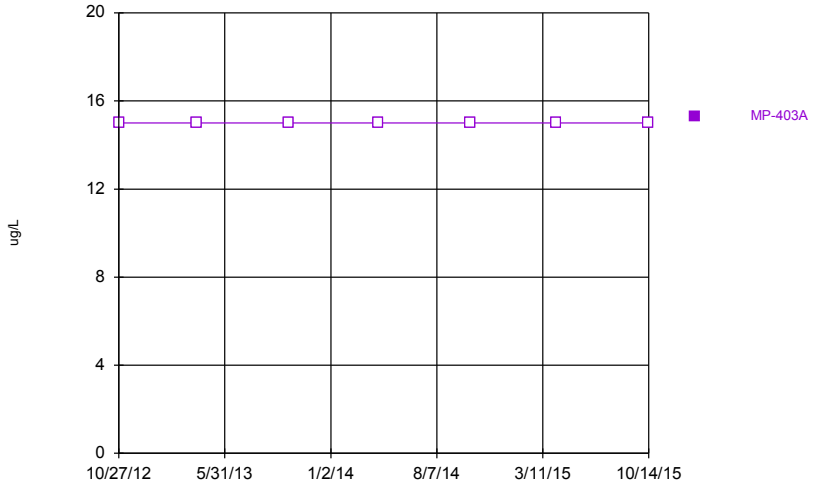

Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

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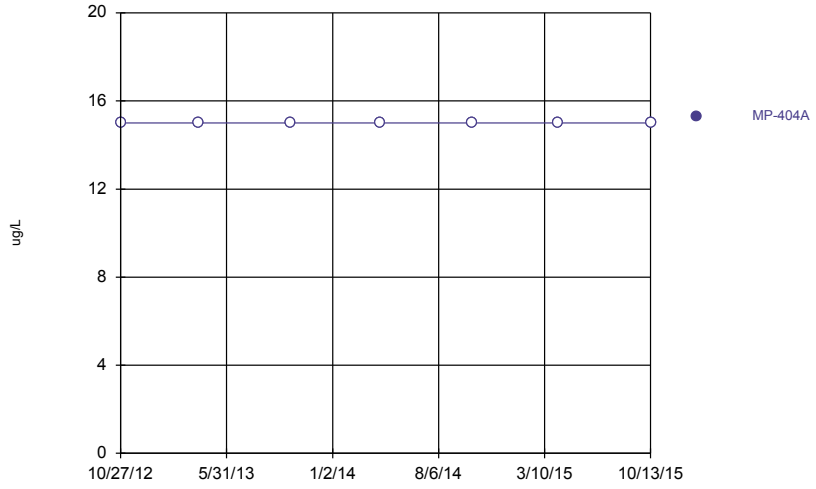

Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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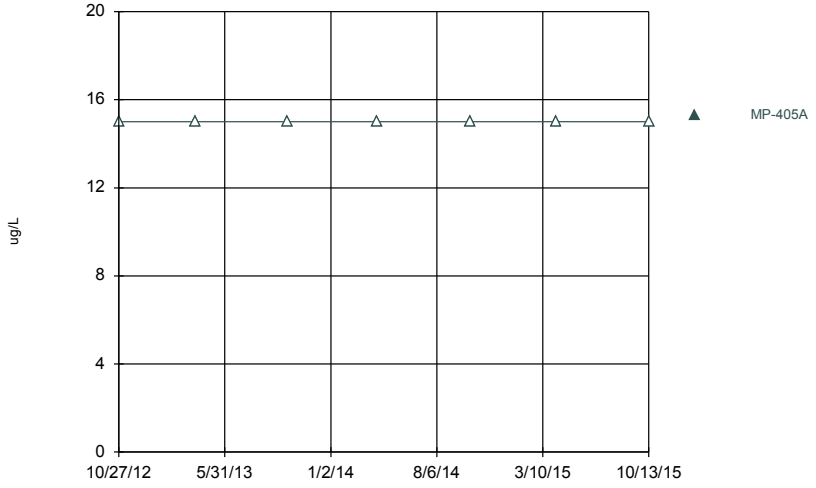

Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time S
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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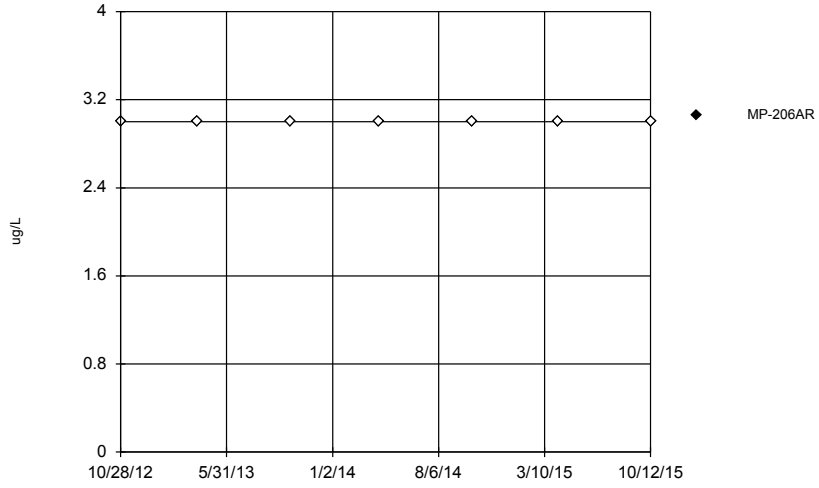

Constituent: Silver Dissolved Analysis Run 1/6/2016 1:47 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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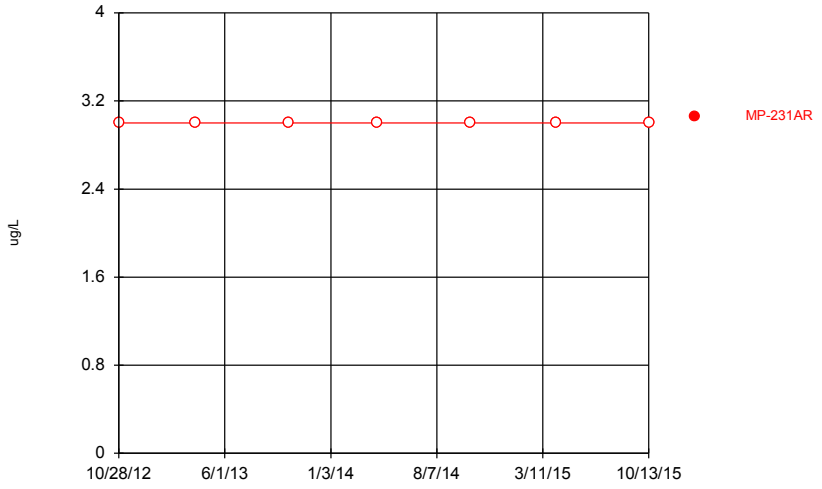
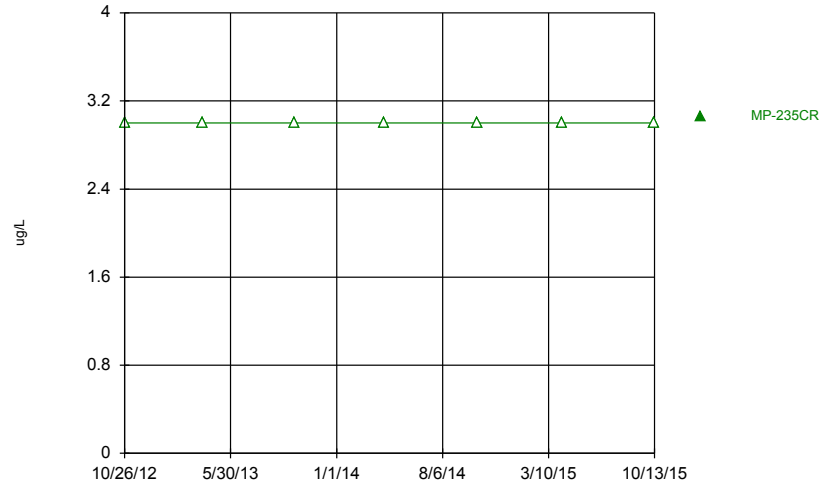


Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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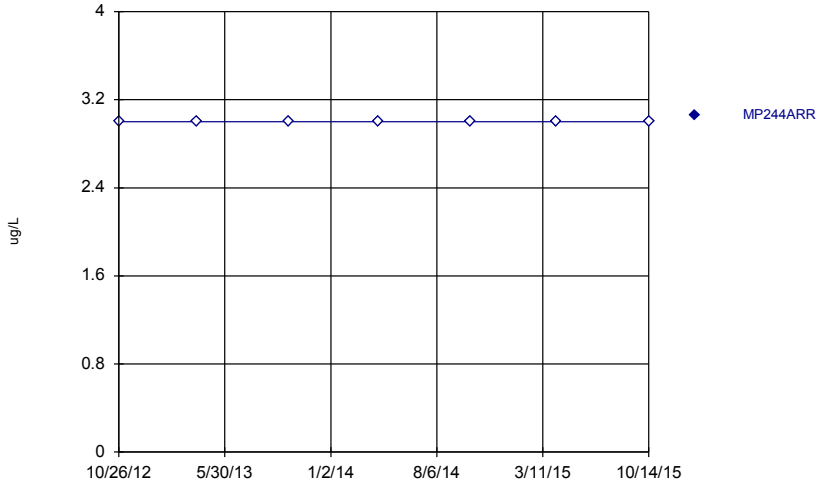

Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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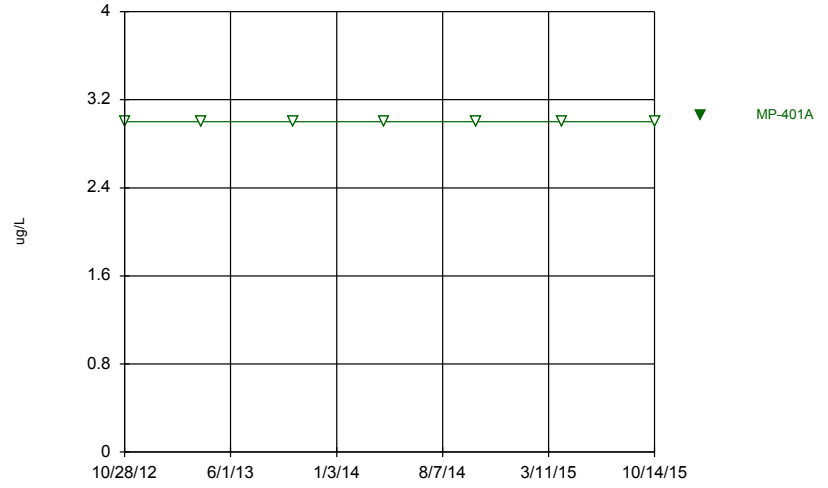

Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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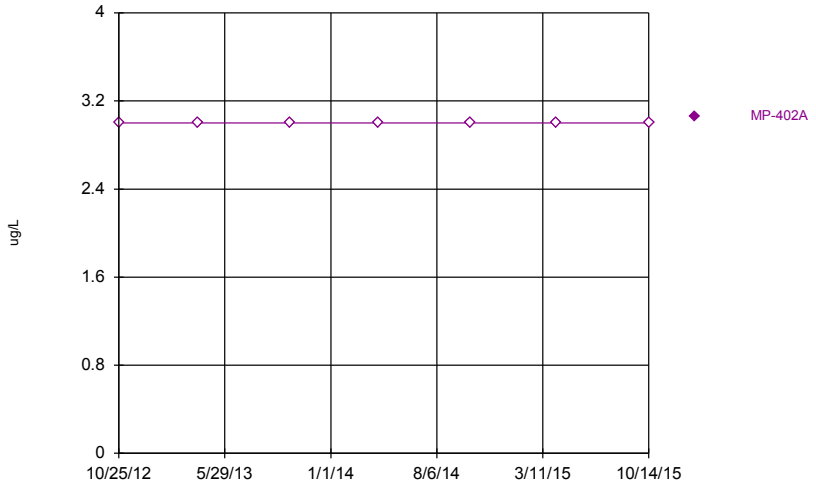
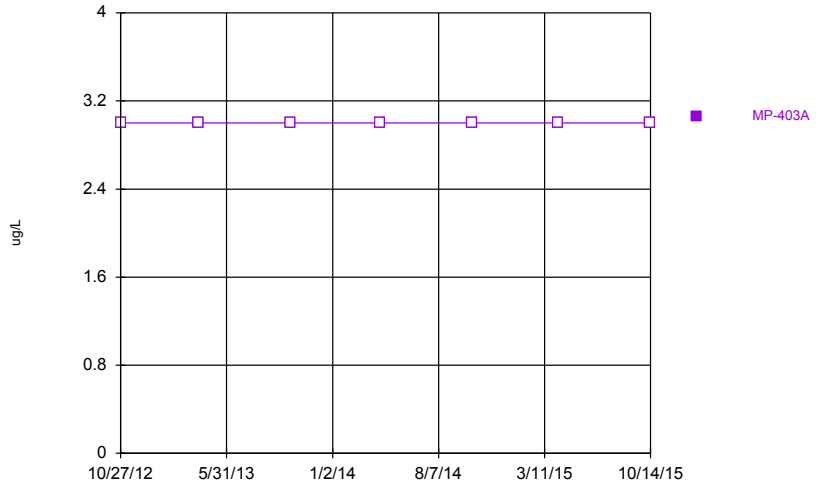


Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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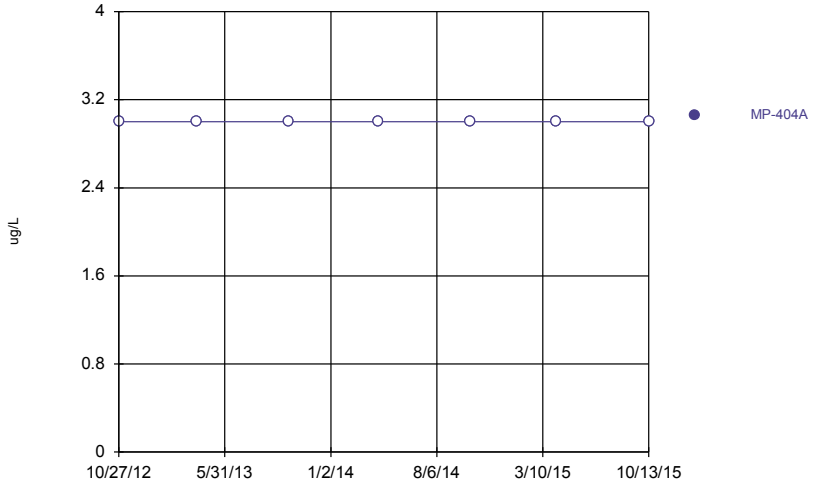
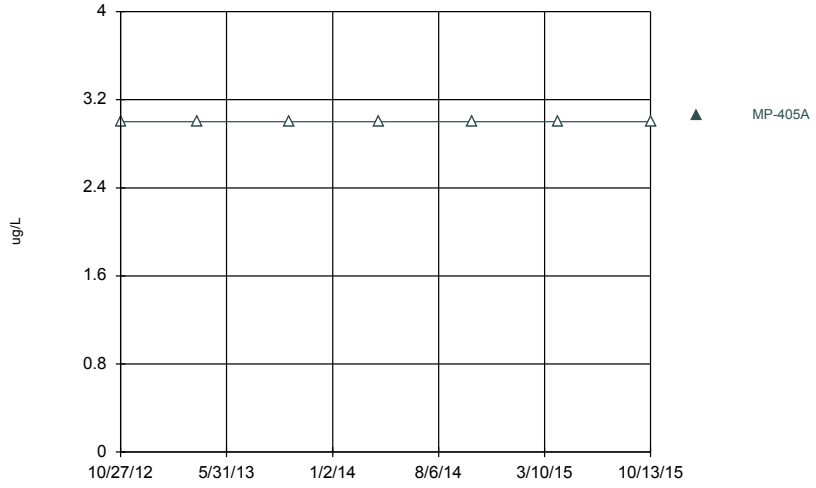


Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series

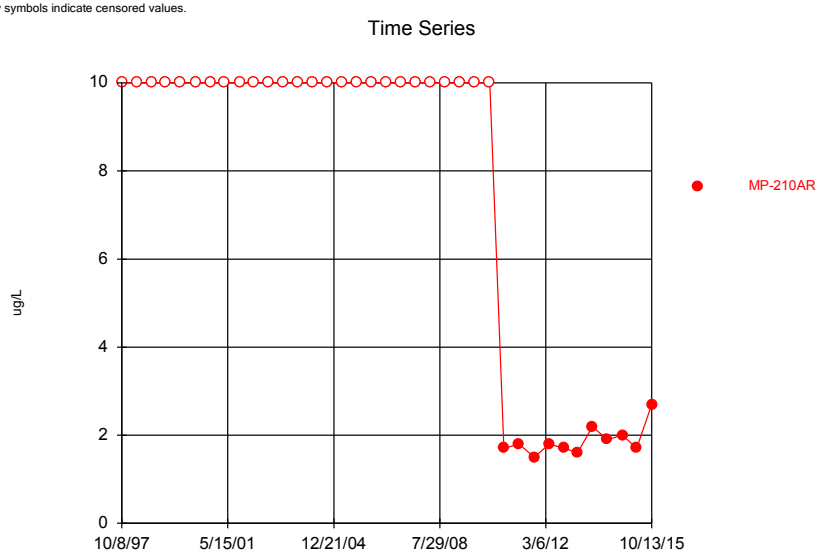


Constituent: Silver Dissolved Analysis Run 1/6/2016 1:48 PM View: As Ba Cd Cr Pb Hg Se Ag Time Serie
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - US

APPENDIX F.

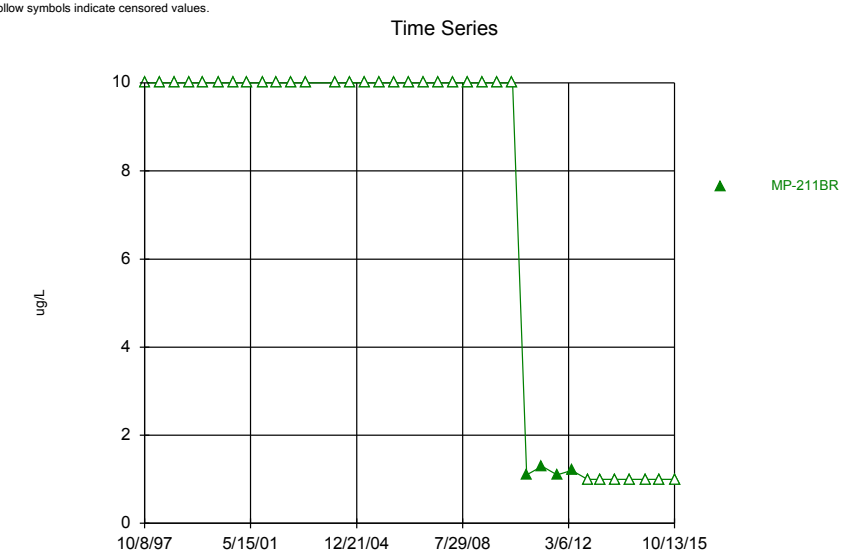
TIME-SERIES PLOTS OF METALS RESULTS
880 SAND WELLS

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.



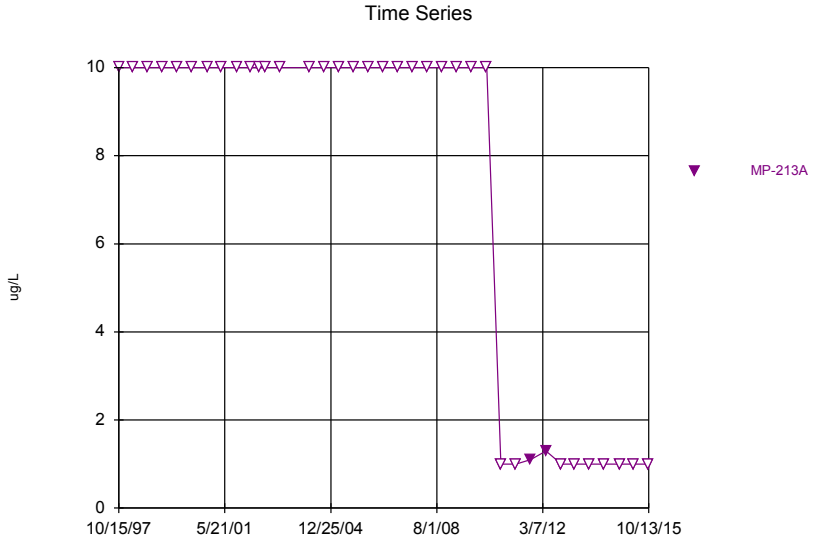
Constituent: Arsenic Dissolved Analysis Run 1/6/2016 1:16 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.



Constituent: Arsenic Dissolved Analysis Run 1/6/2016 1:16 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.



Constituent: Arsenic Dissolved Analysis Run 1/6/2016 1:16 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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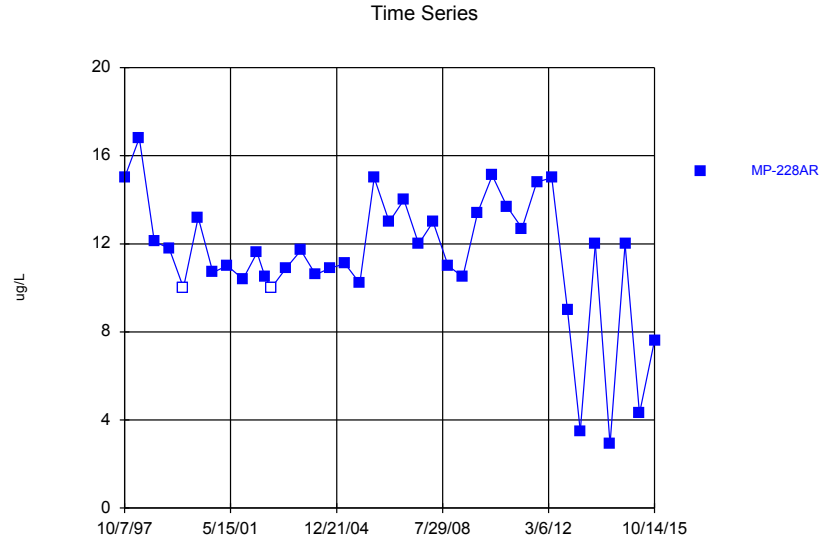

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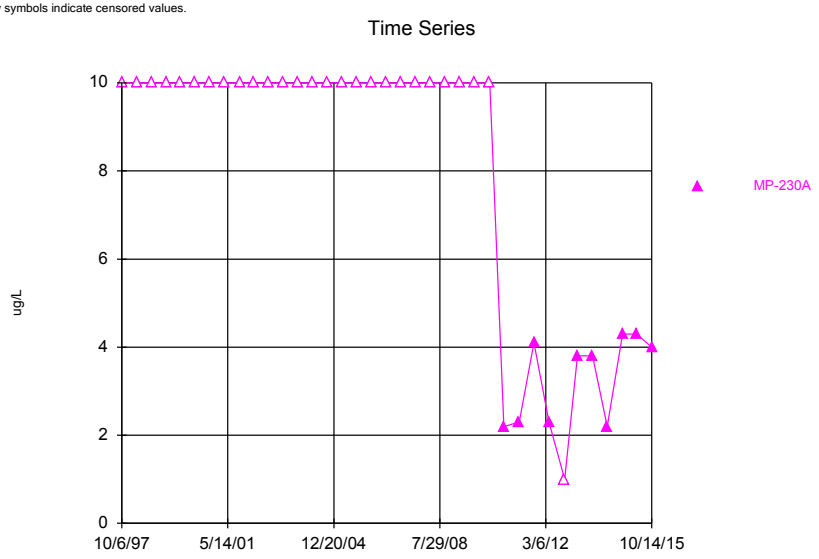

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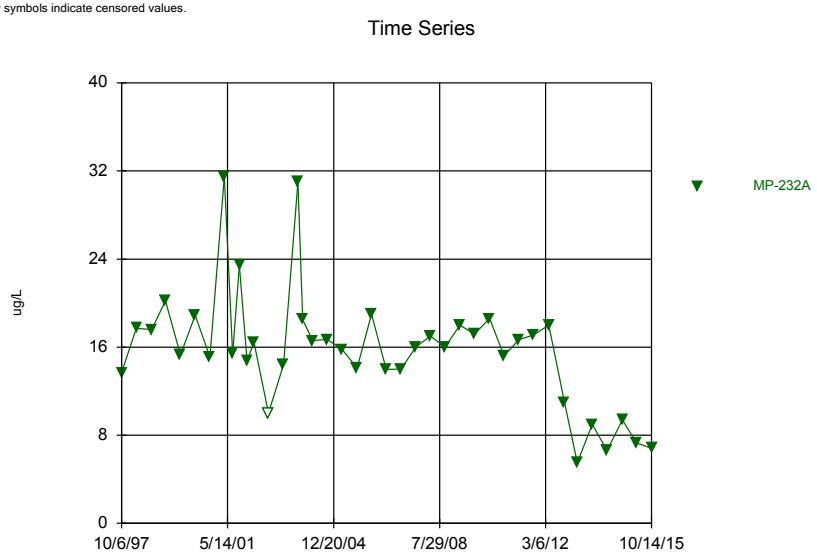

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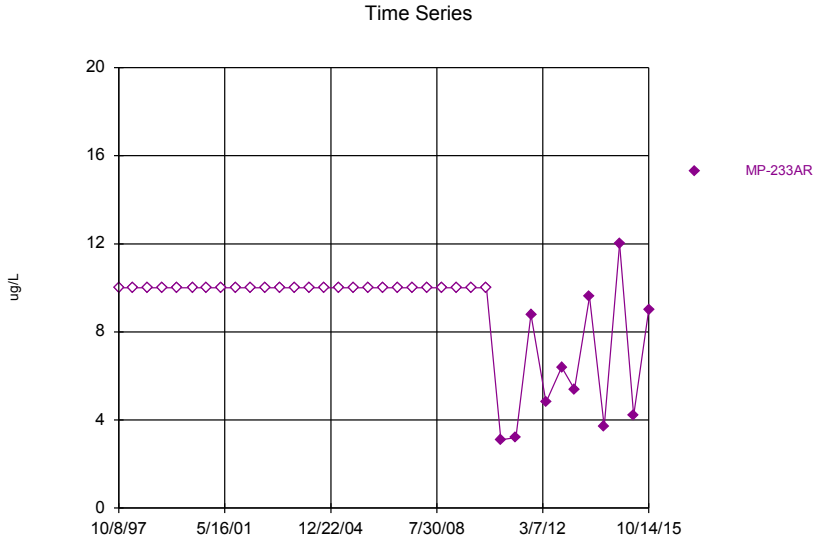

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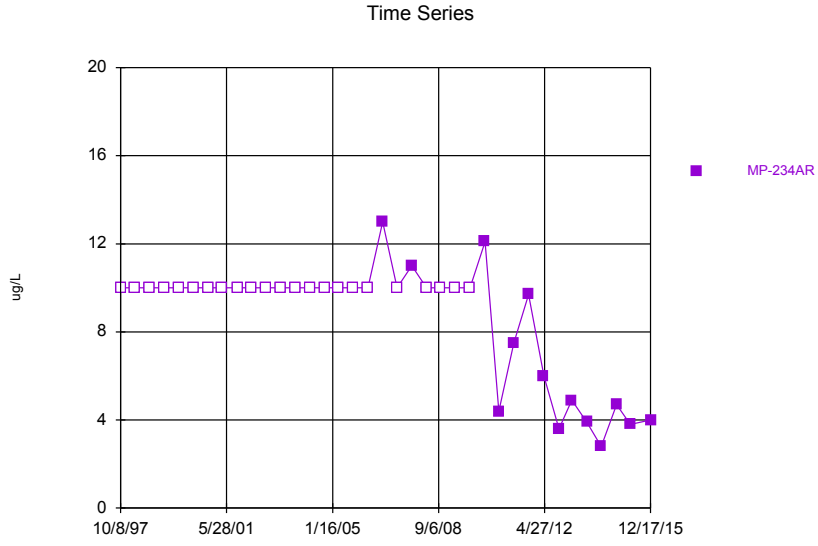

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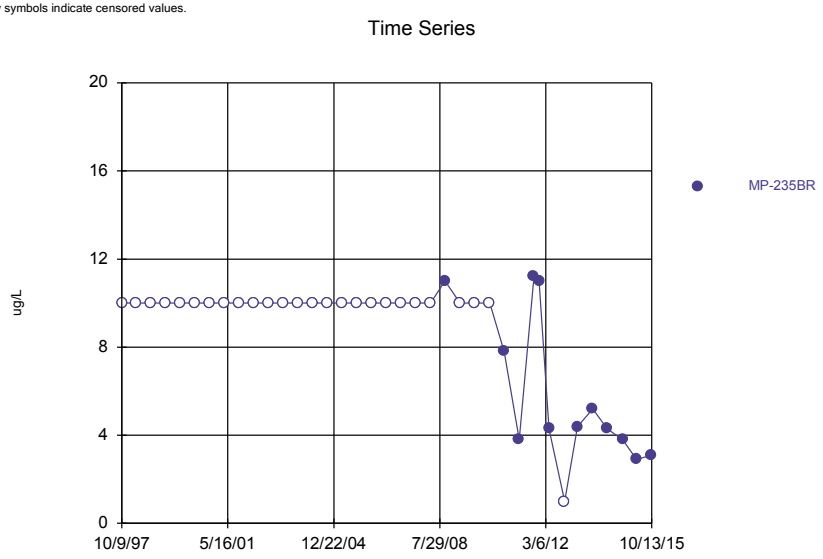

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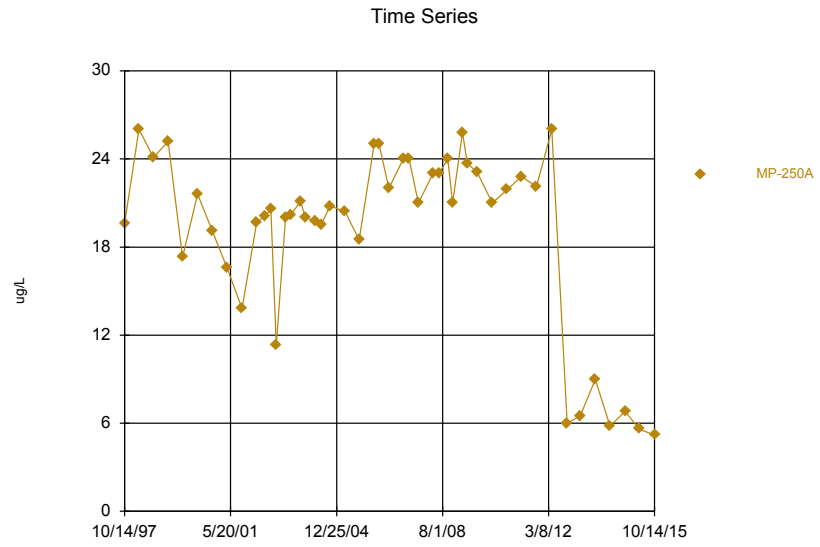

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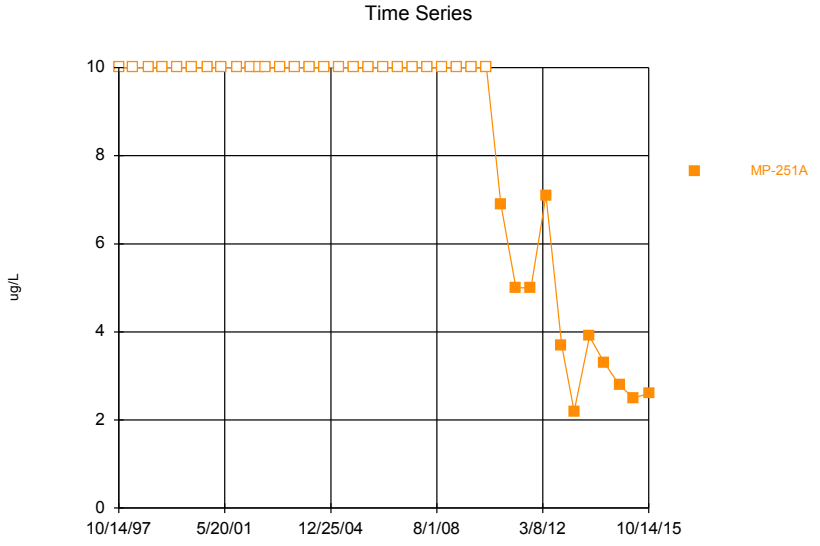

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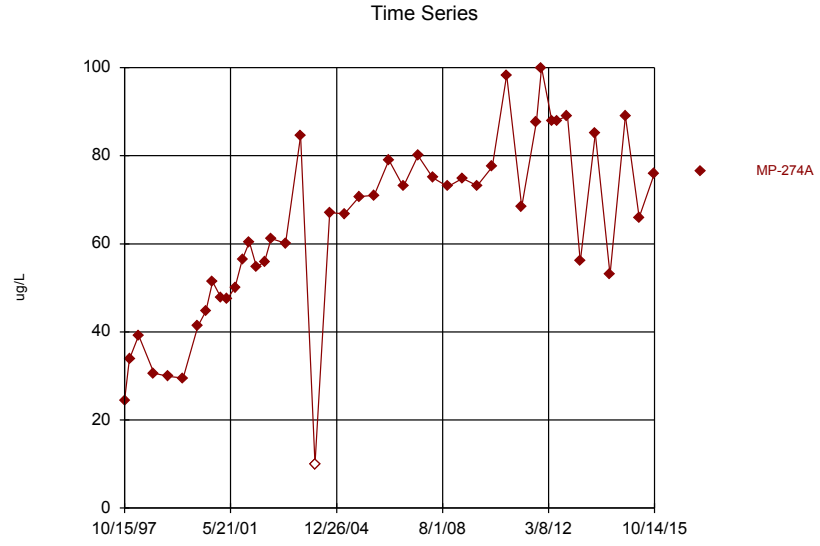

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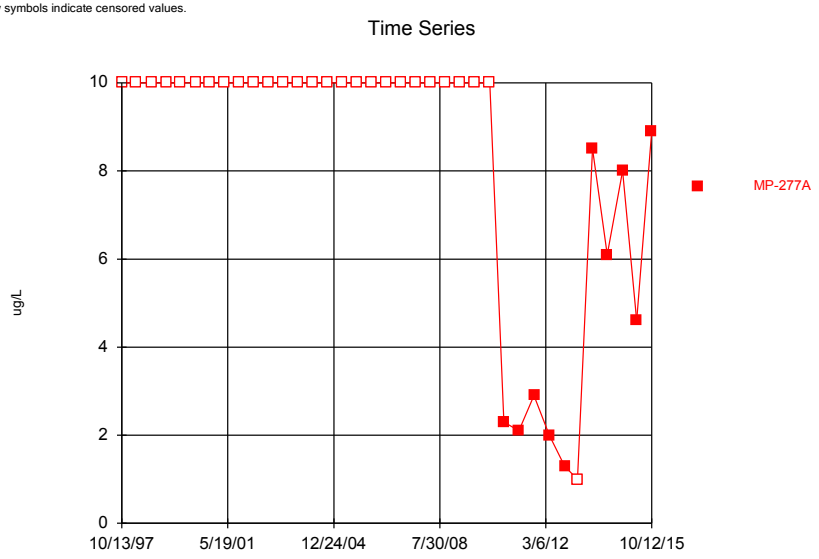

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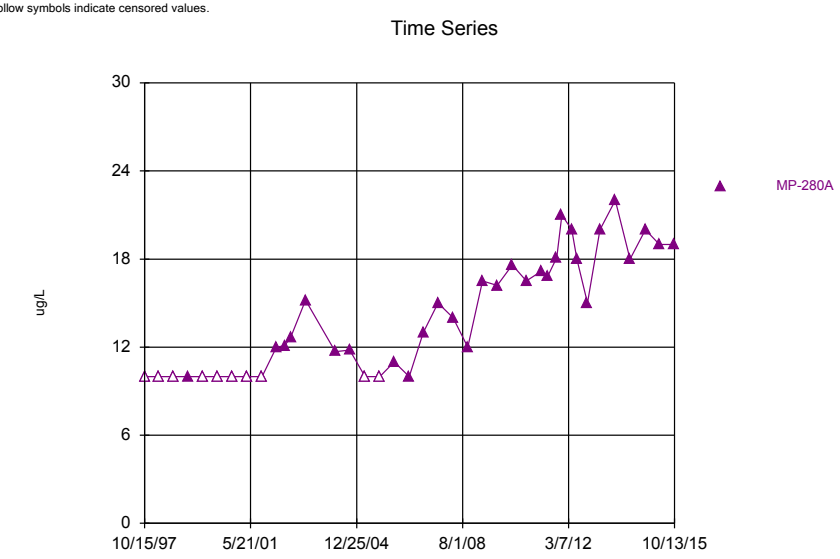

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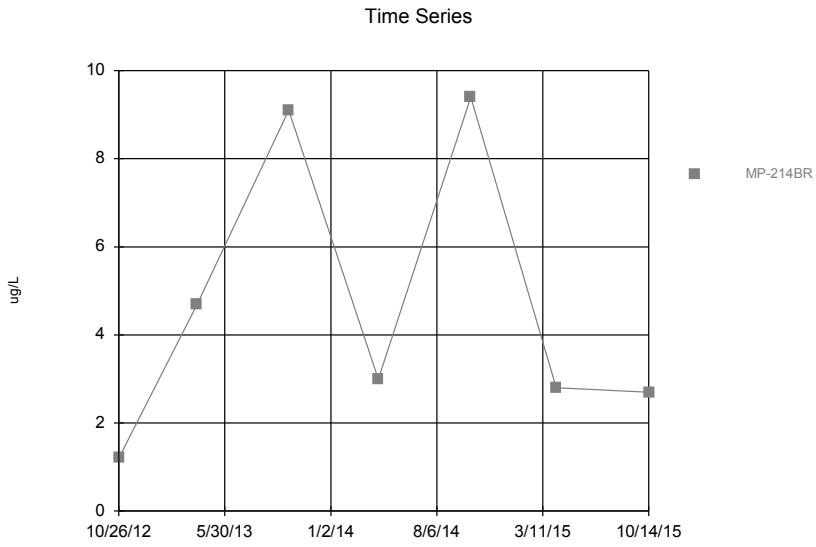

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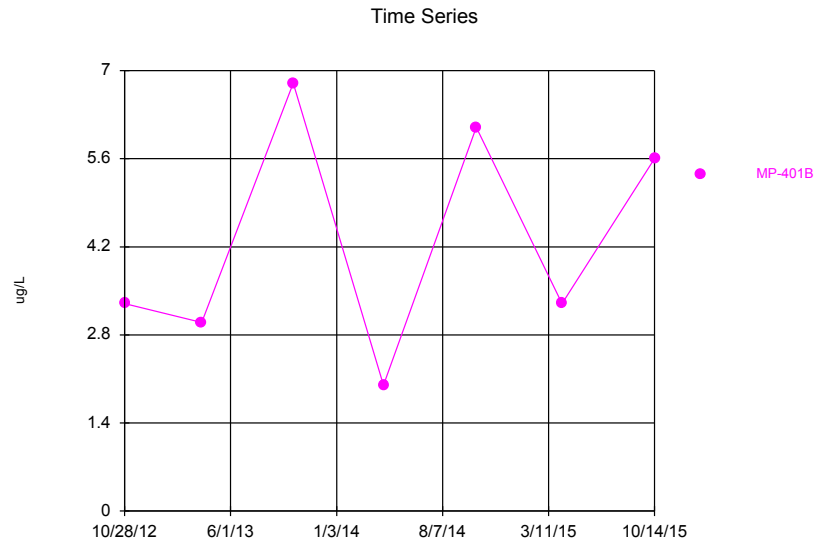

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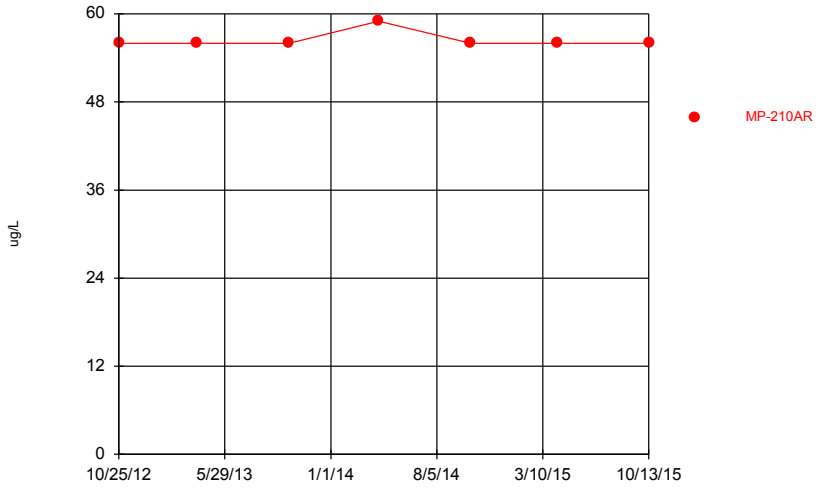

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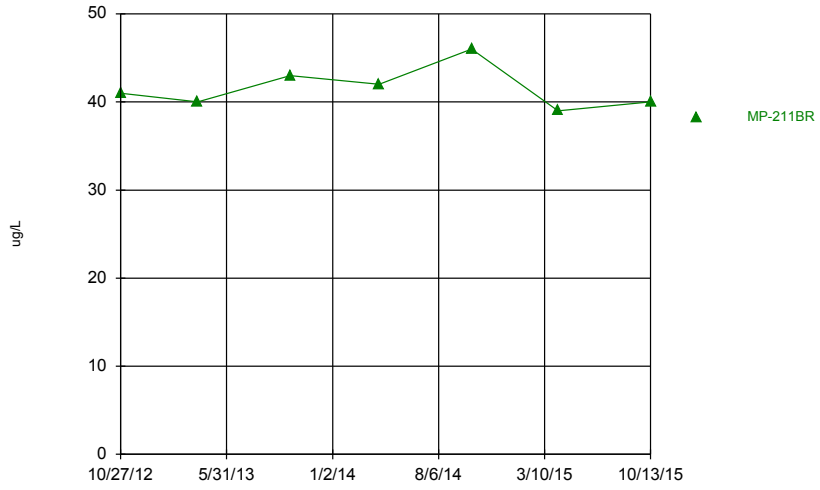

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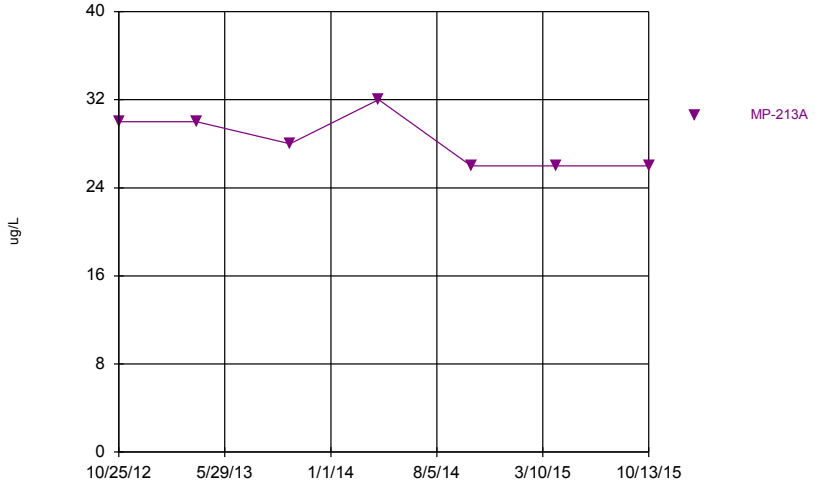

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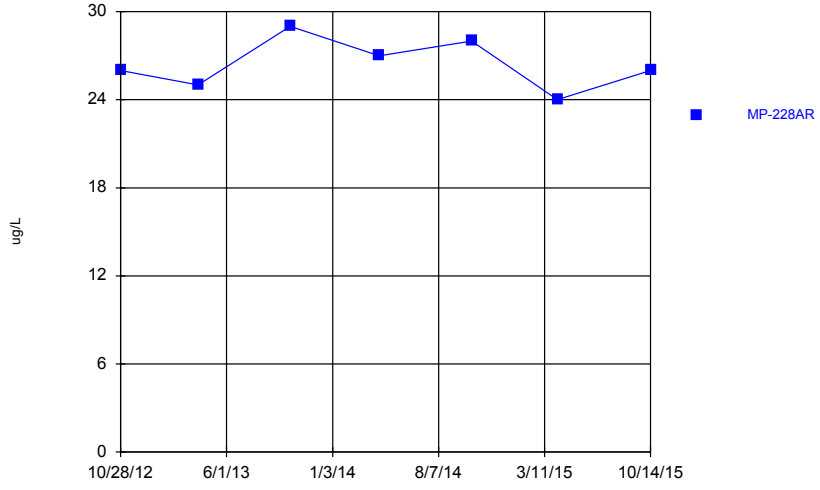

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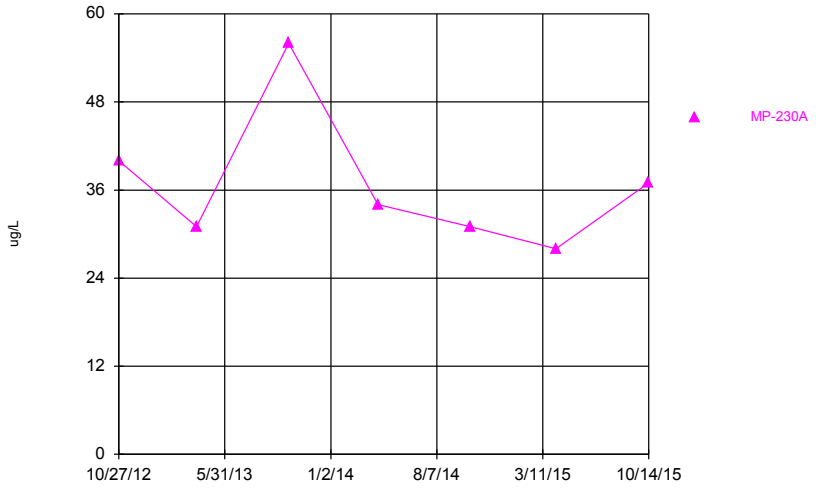

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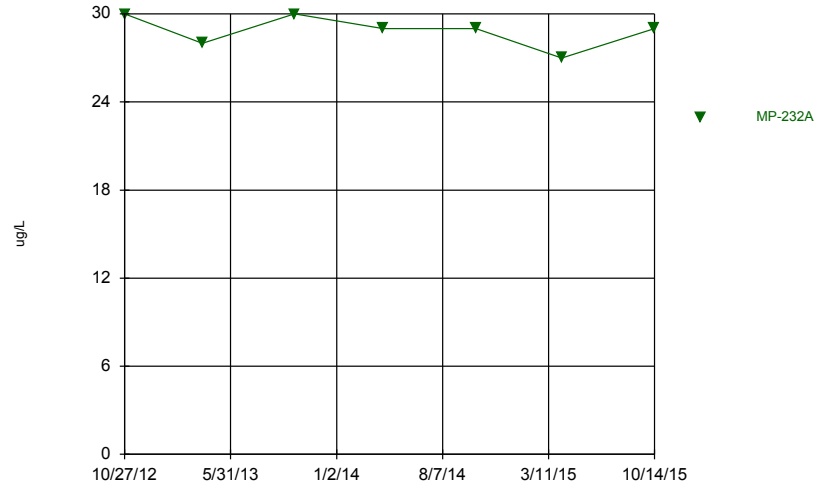

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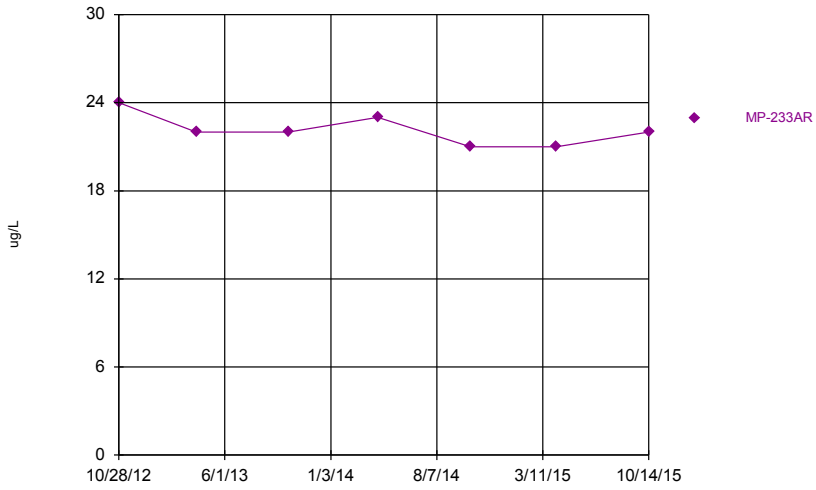

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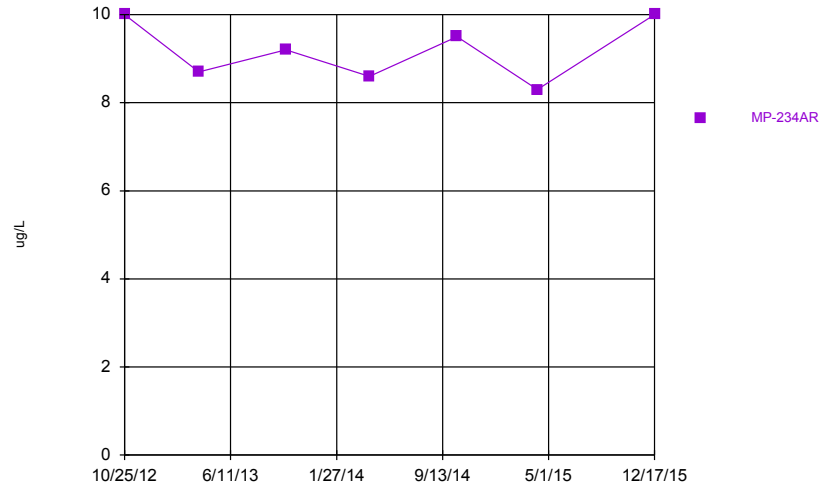

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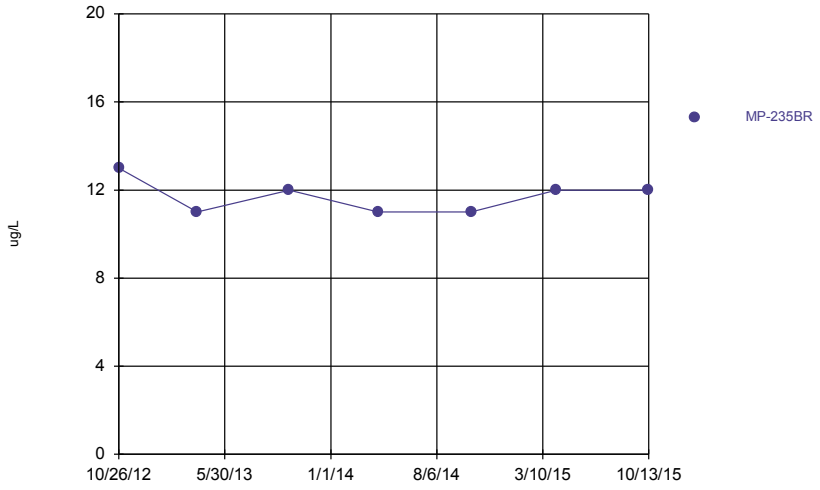

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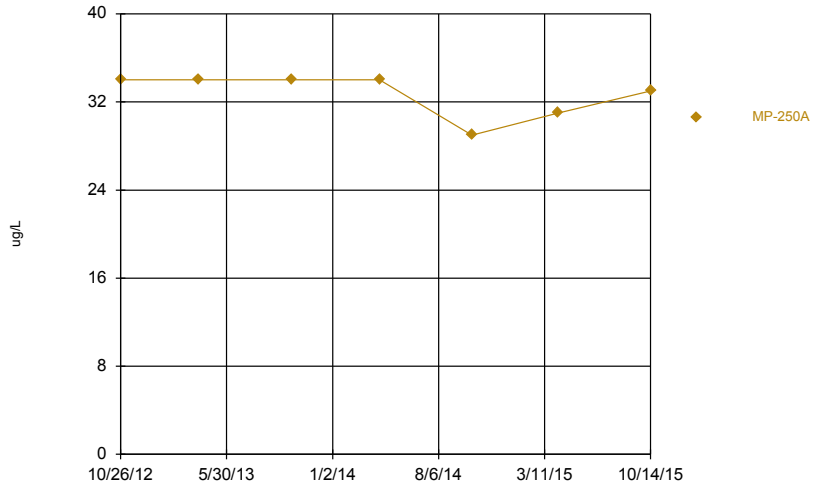

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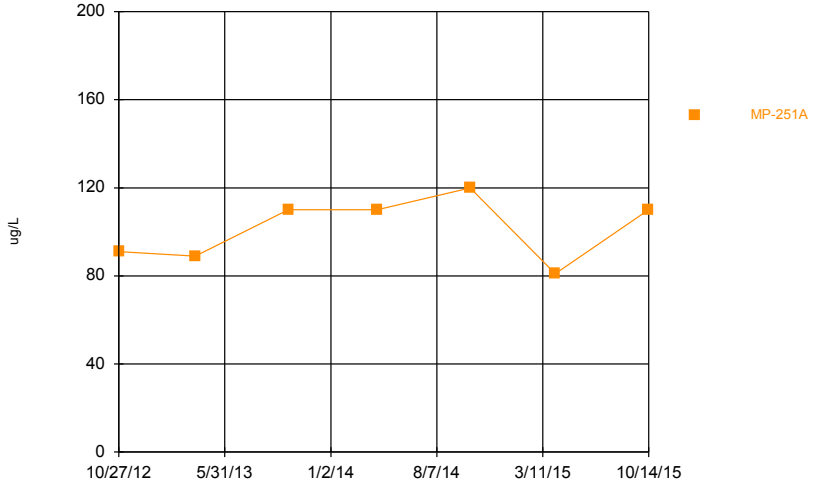

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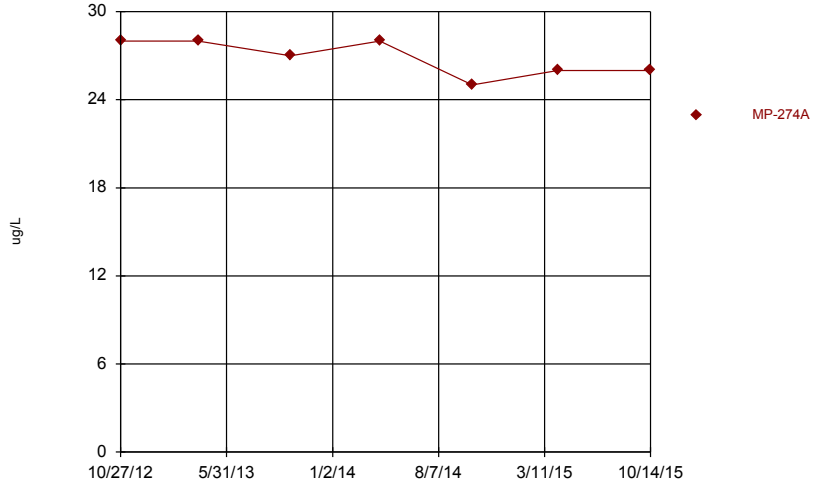

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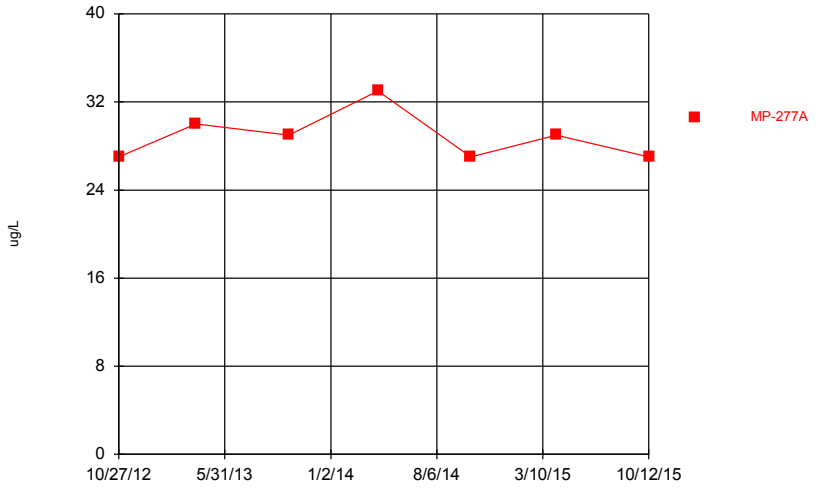

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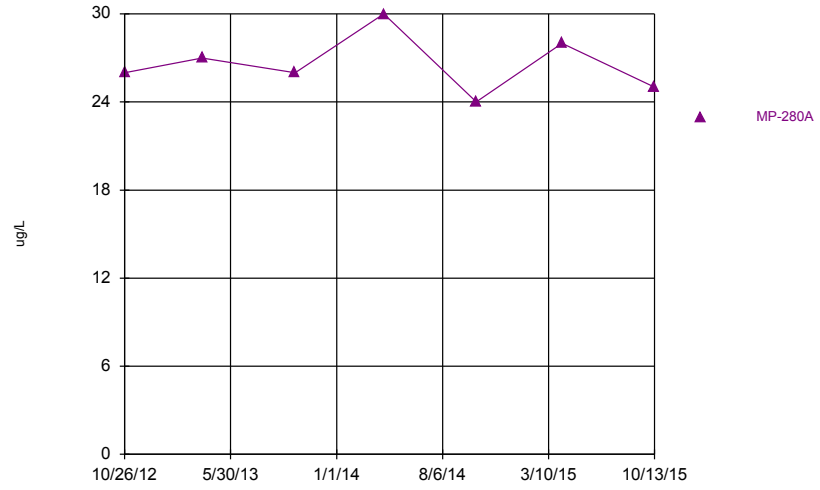

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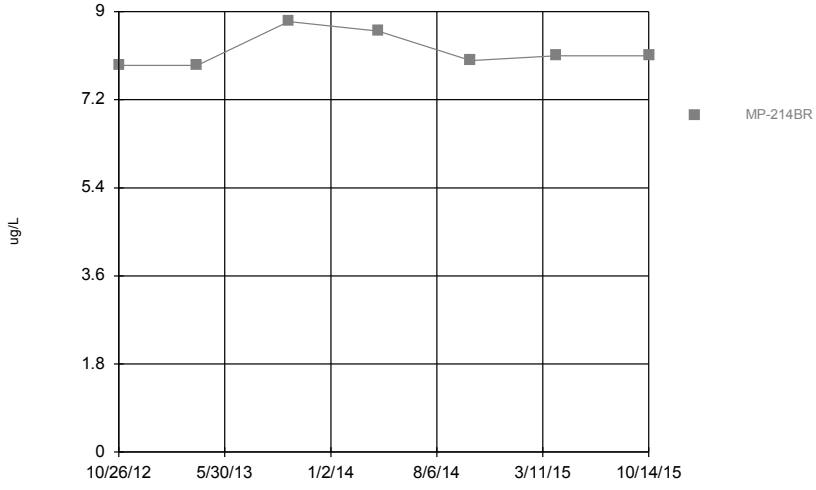

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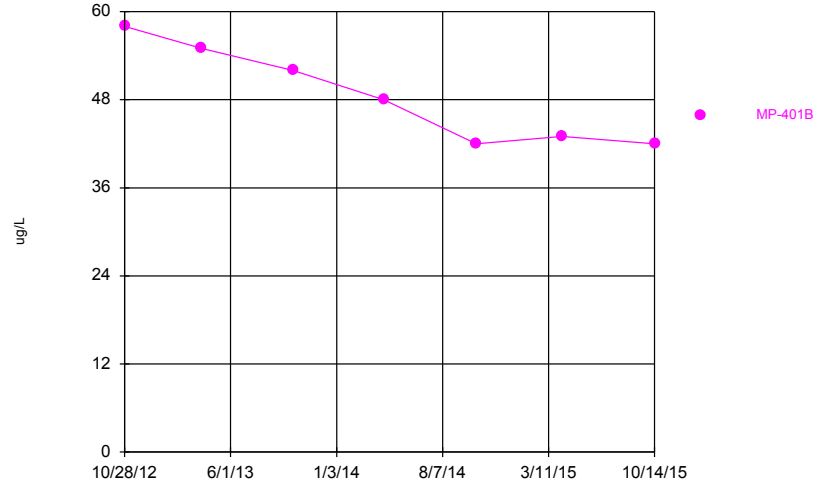

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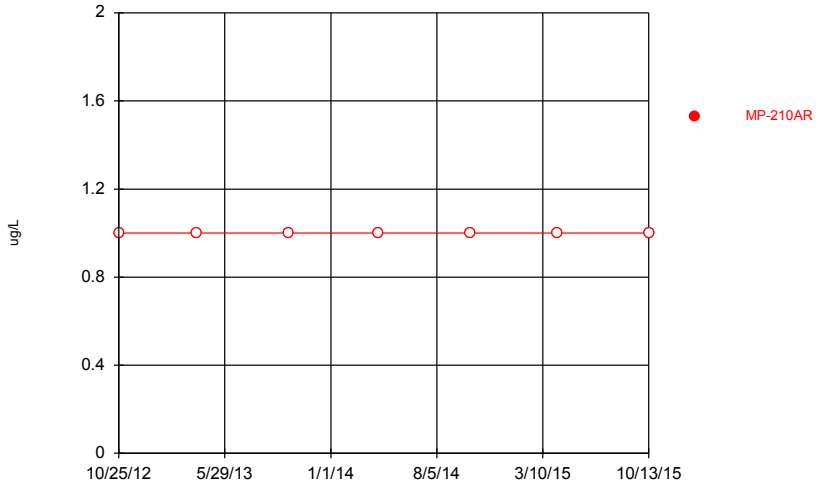

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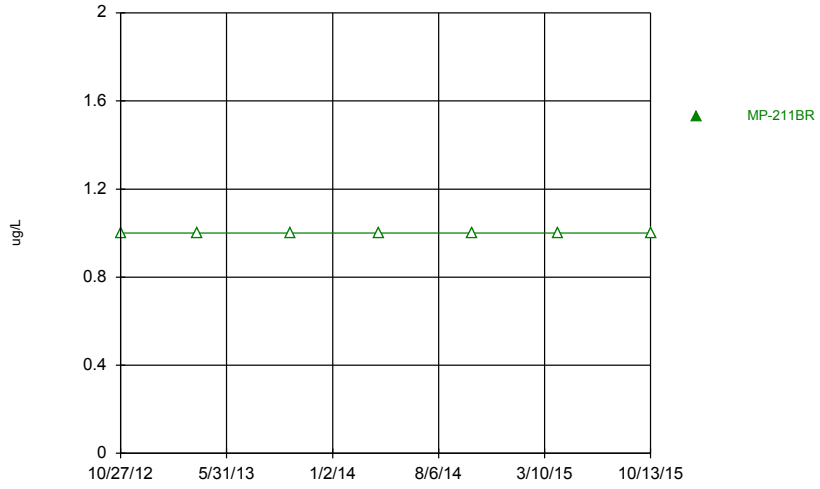

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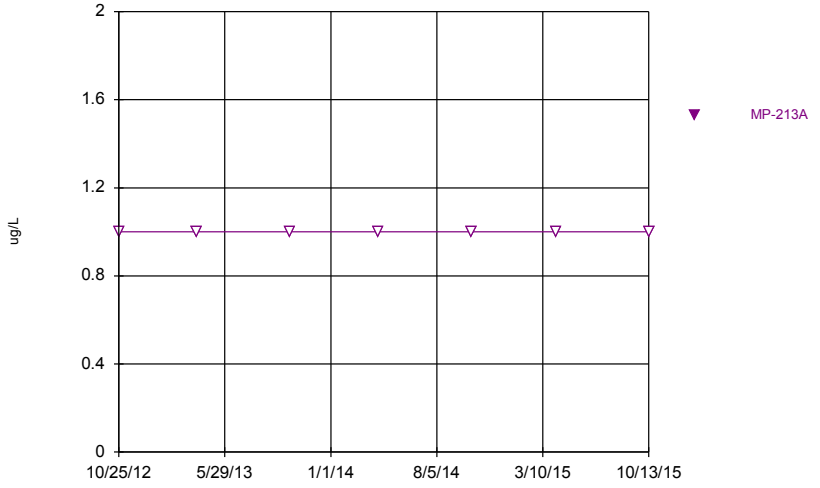

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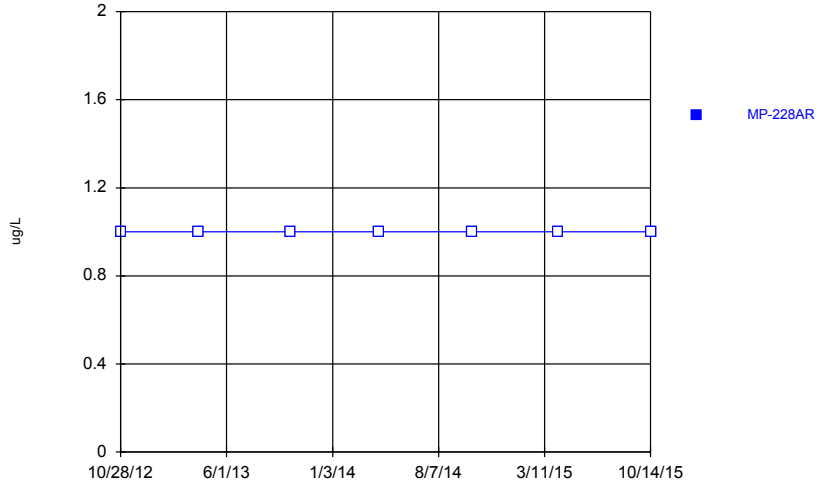

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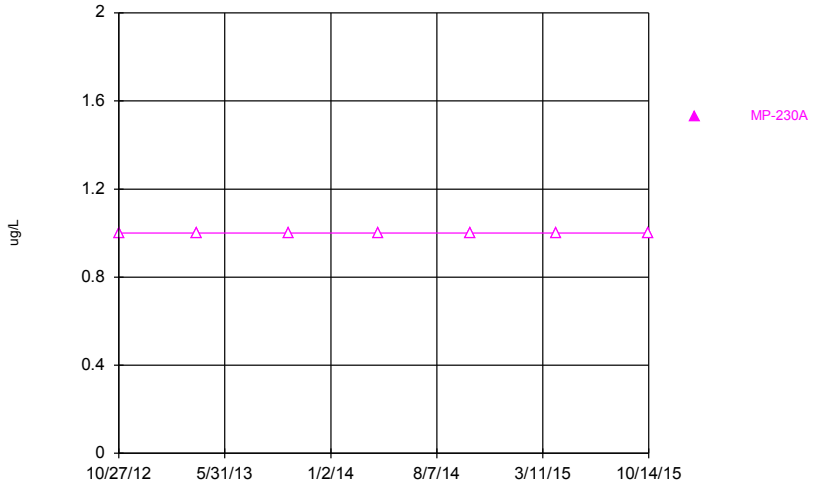

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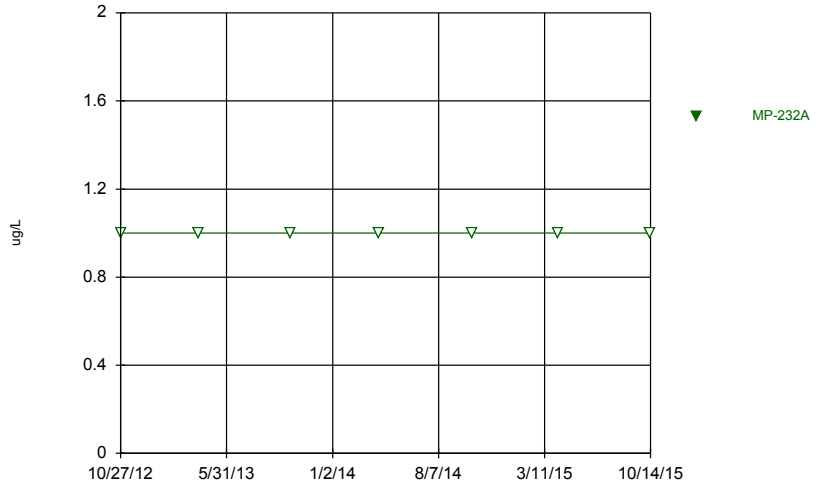

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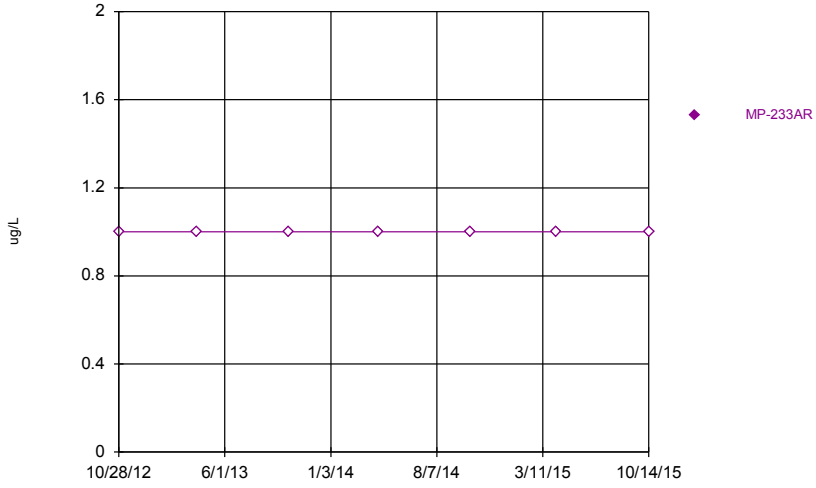

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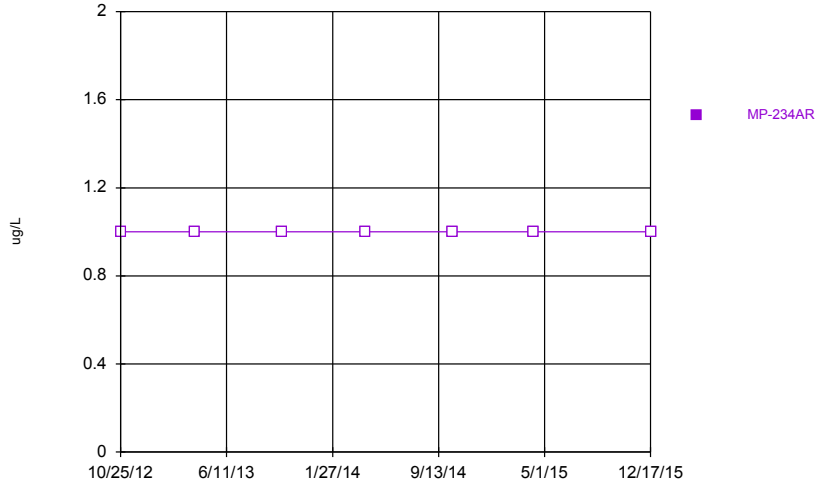

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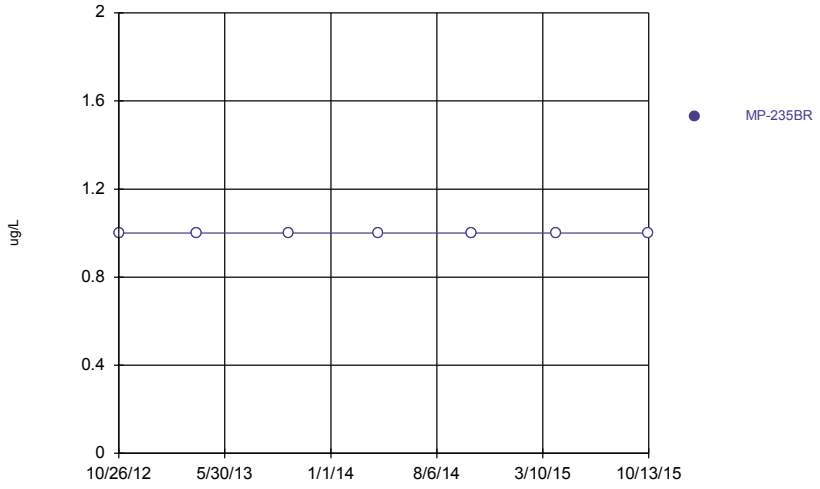

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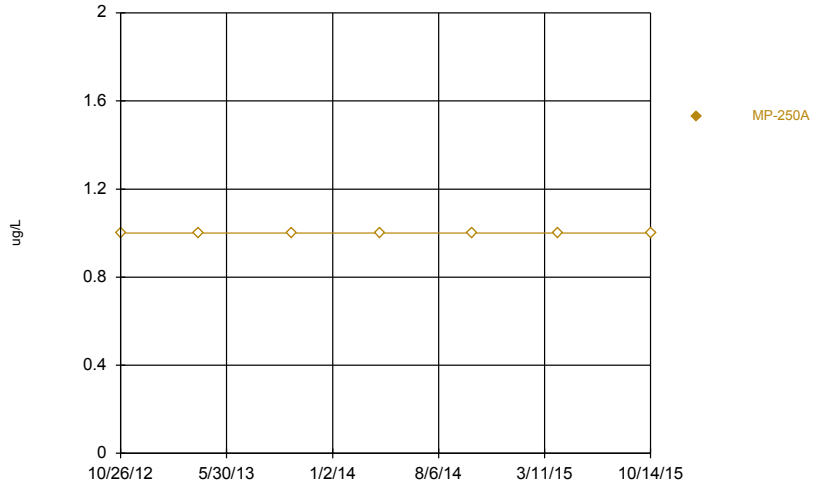
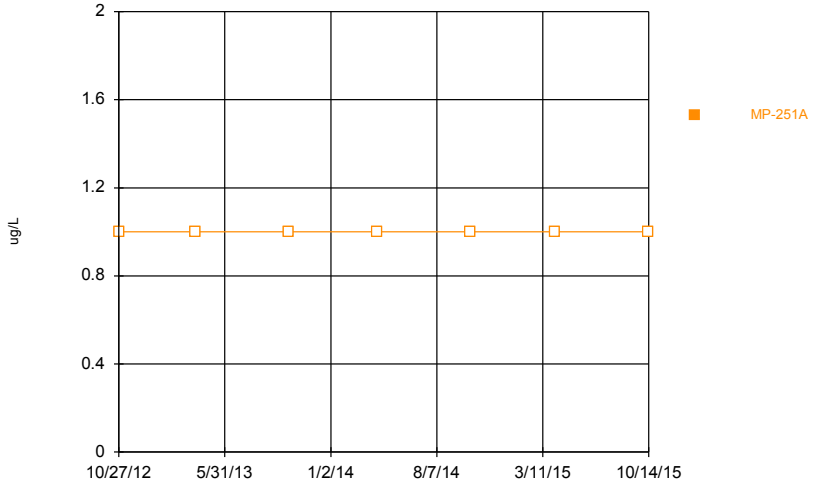


Constituent: Cadmium Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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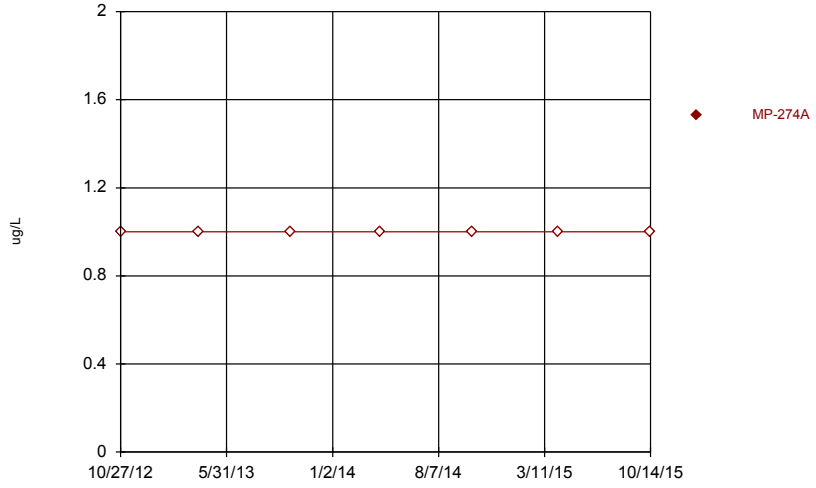
Time Series



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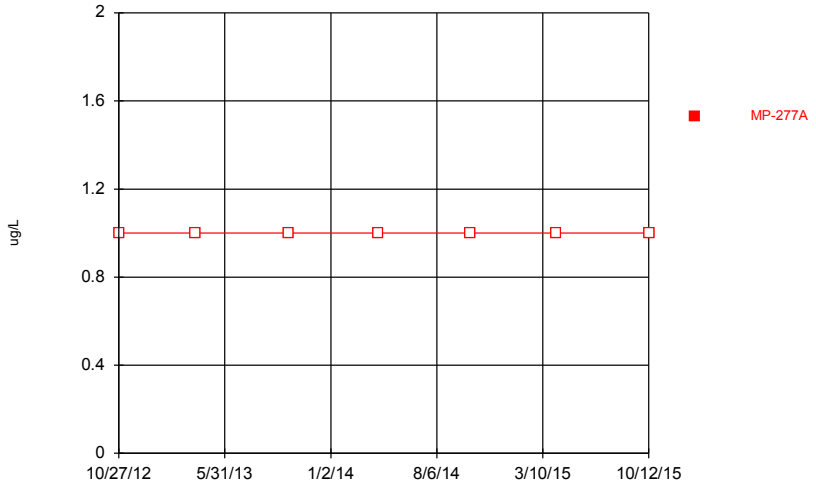
Time Series



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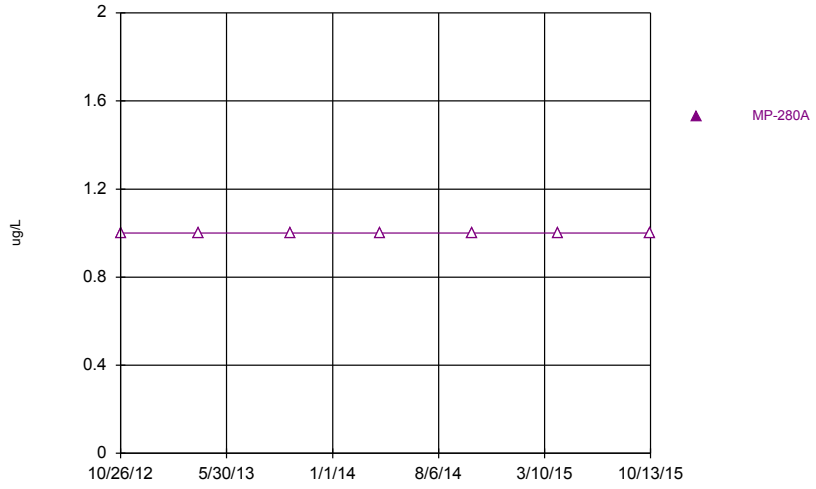

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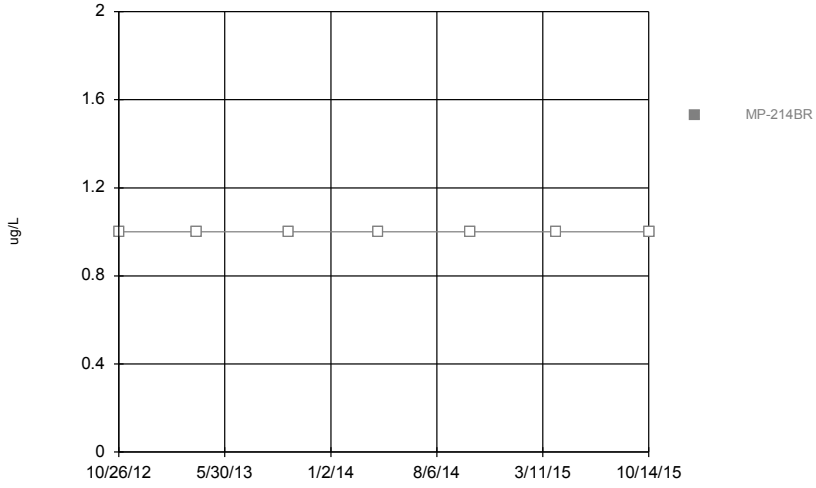

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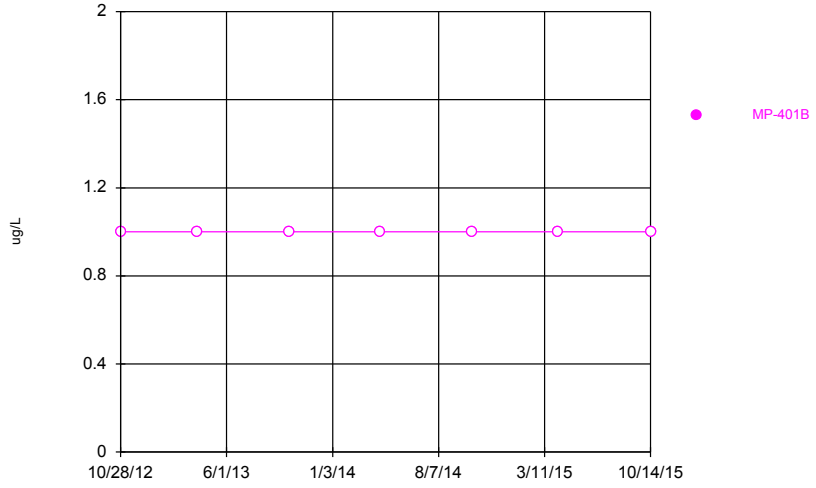

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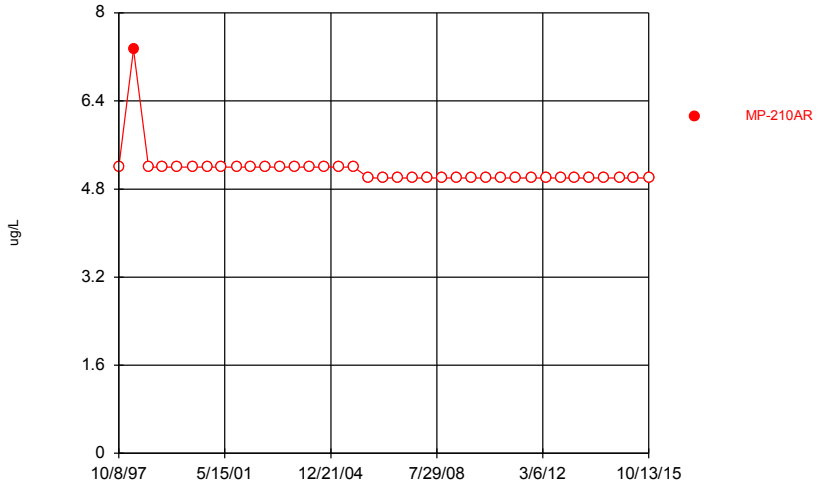

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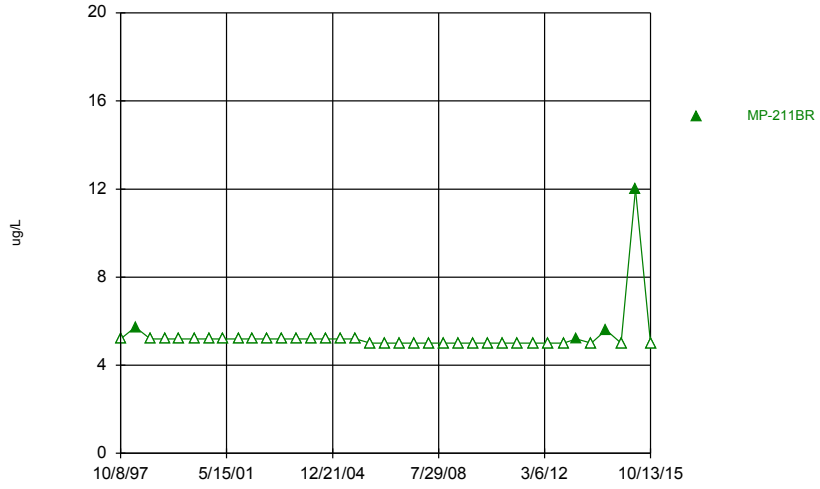

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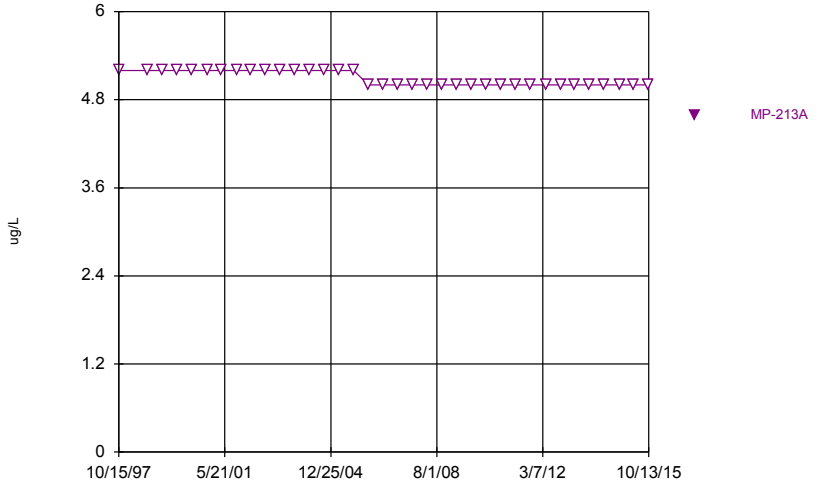

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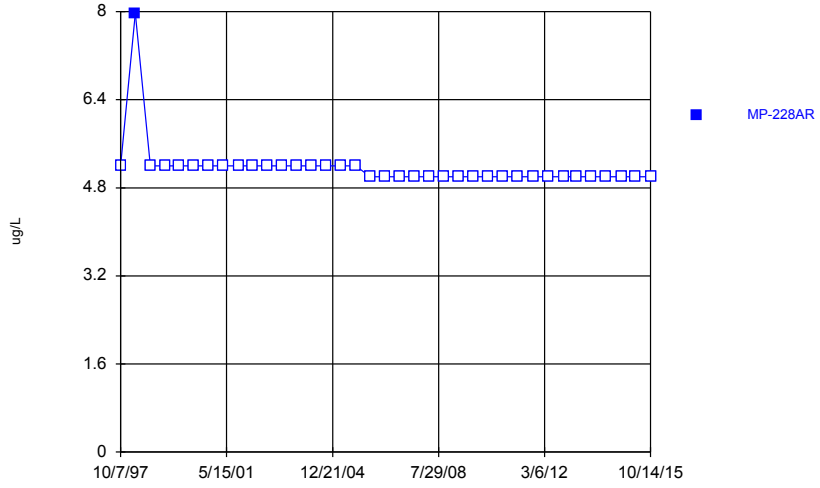

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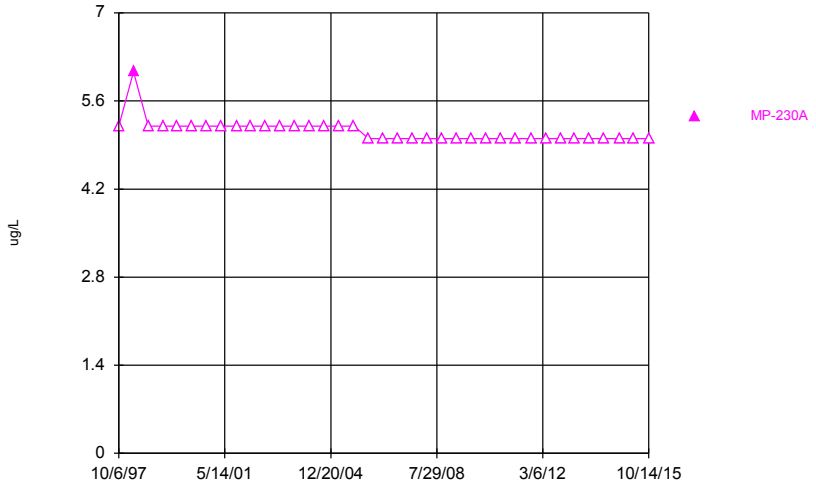

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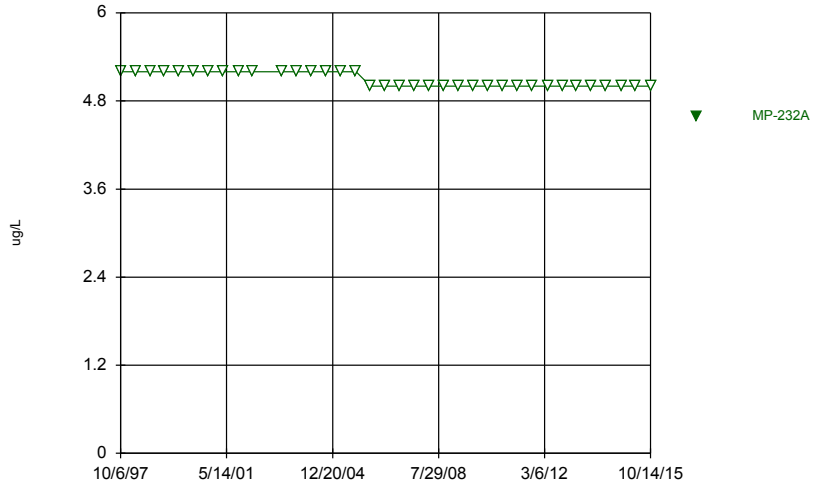

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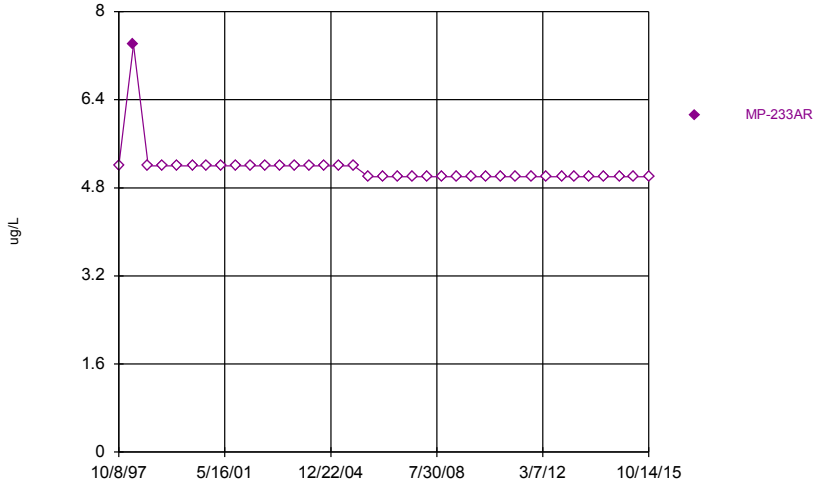

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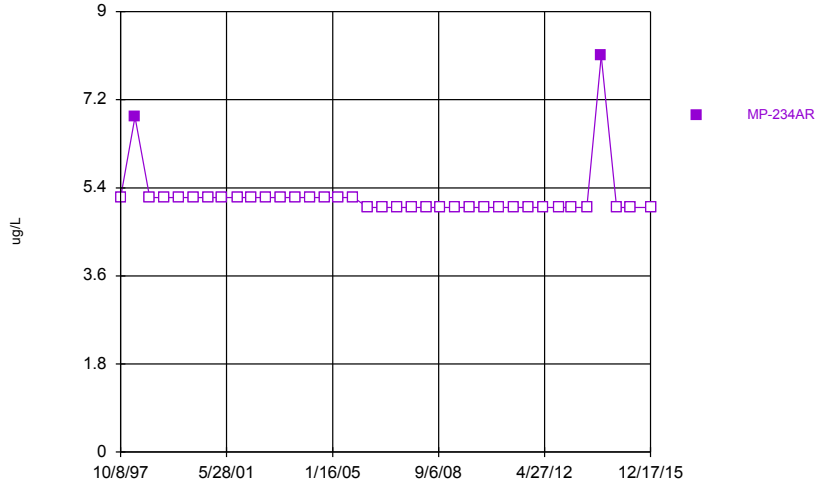

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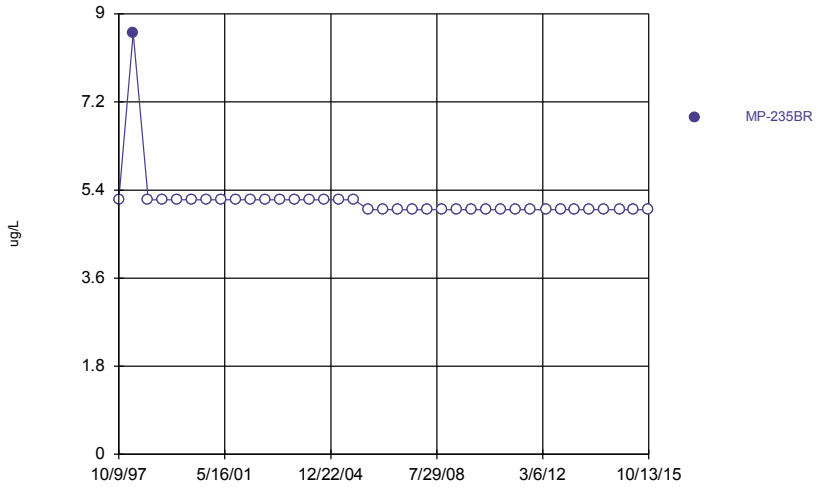

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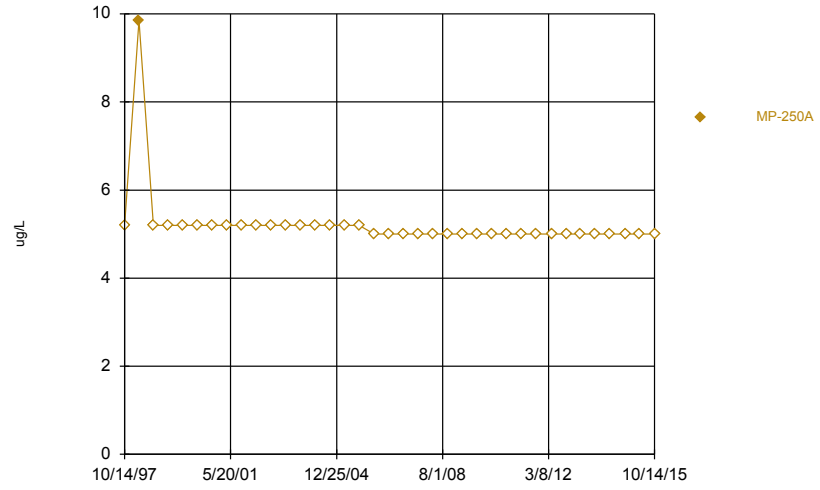

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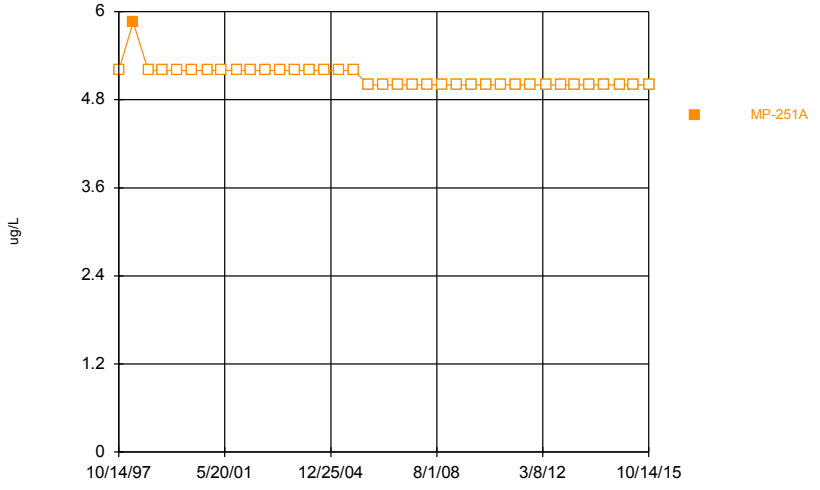

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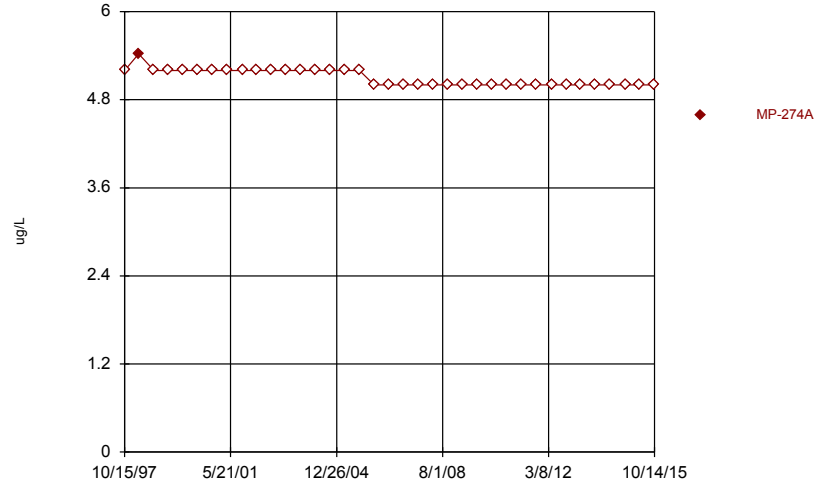

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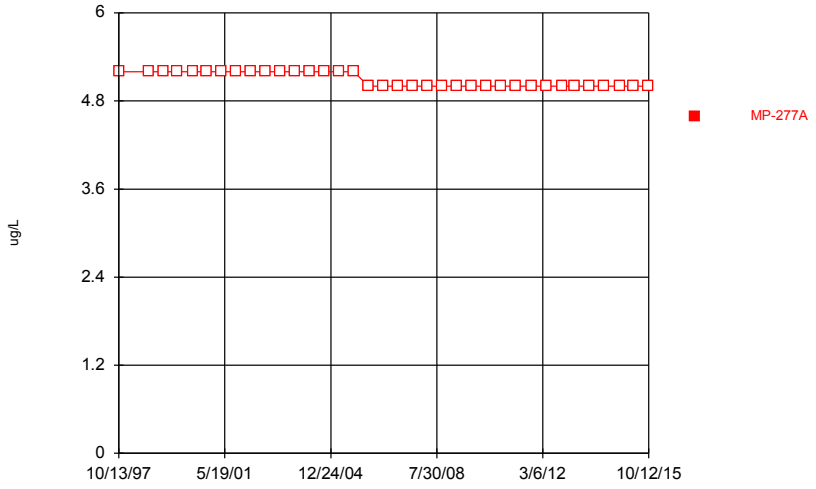

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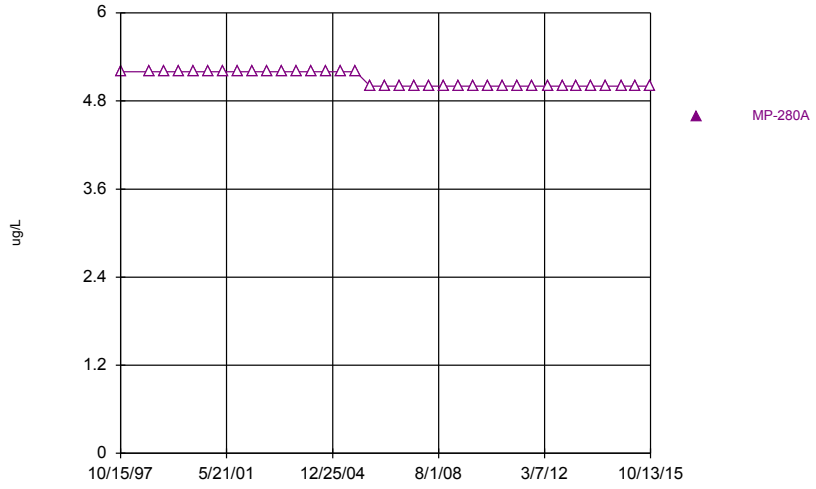

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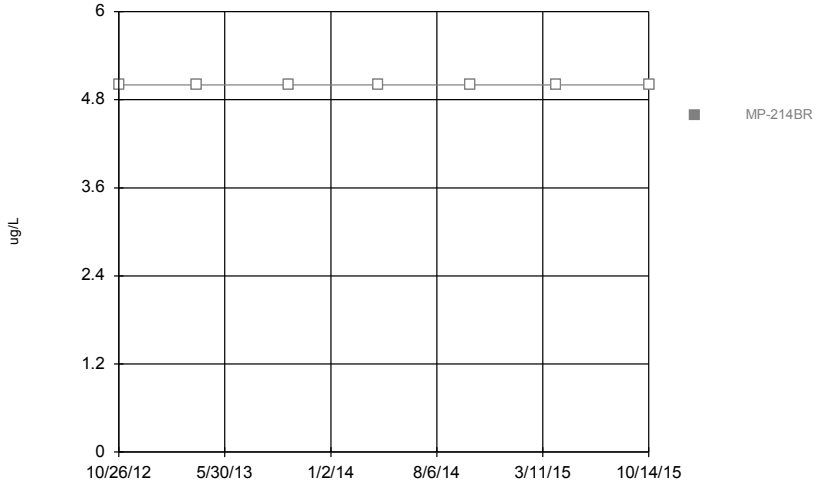

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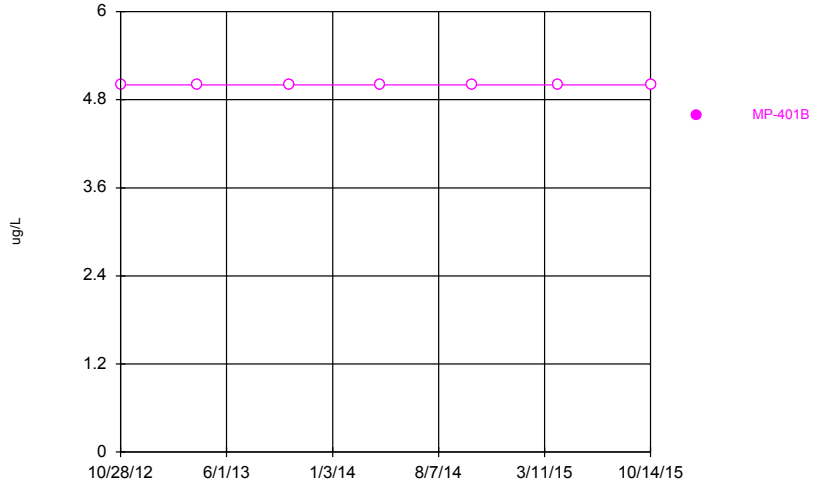

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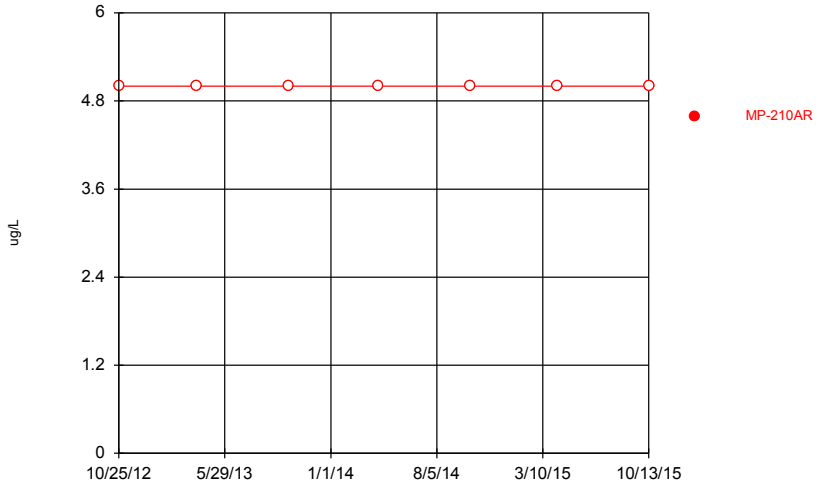

Constituent: Lead Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
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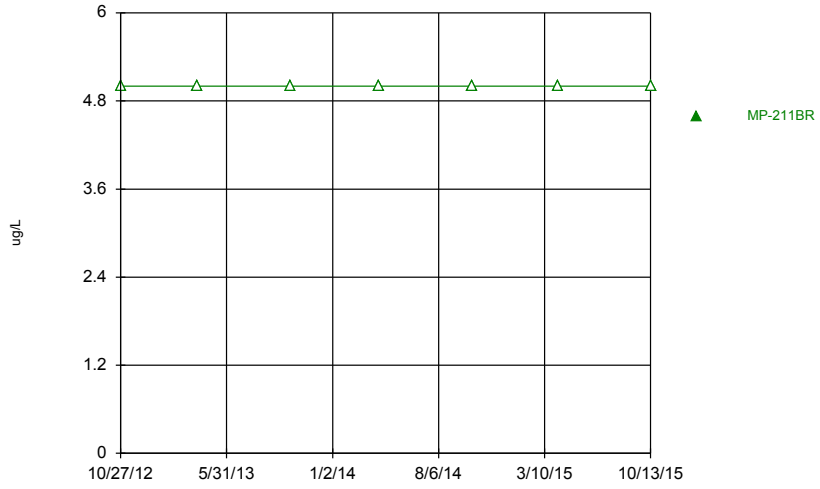

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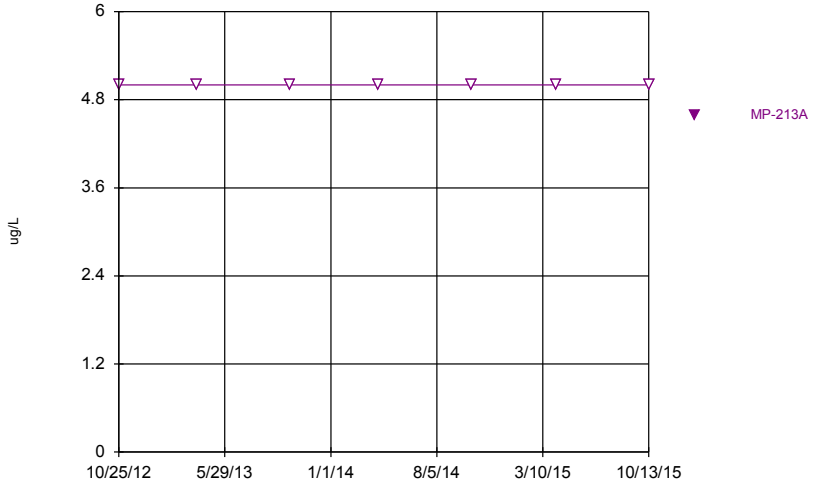

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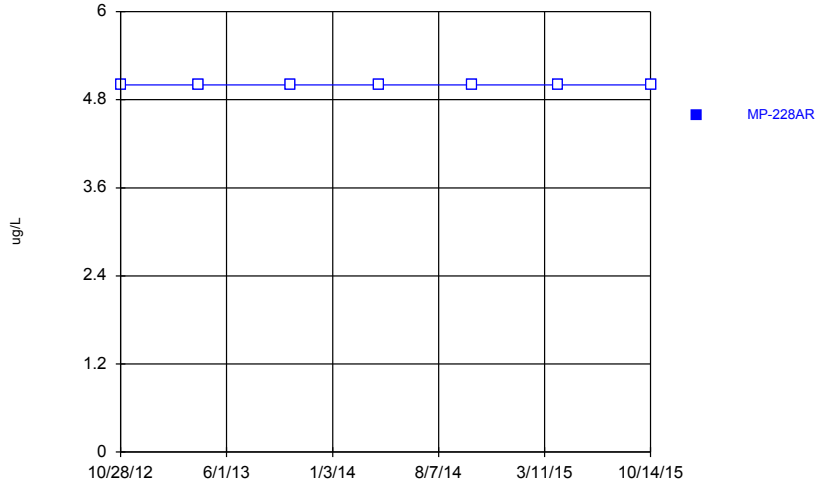

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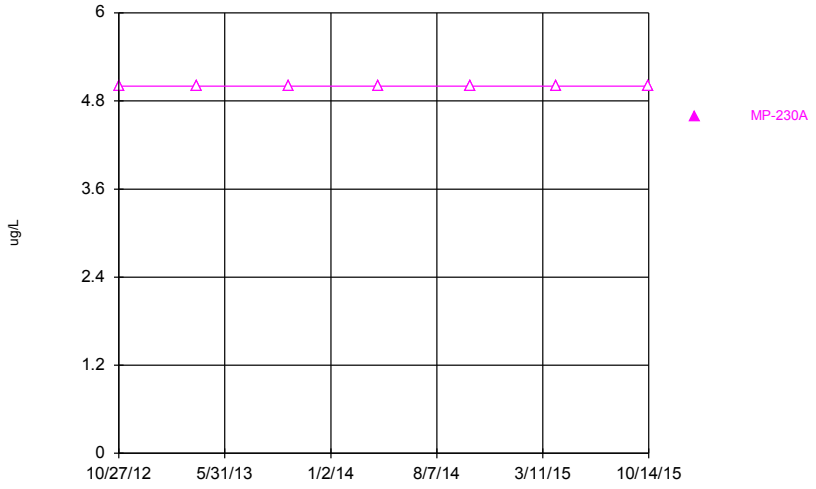

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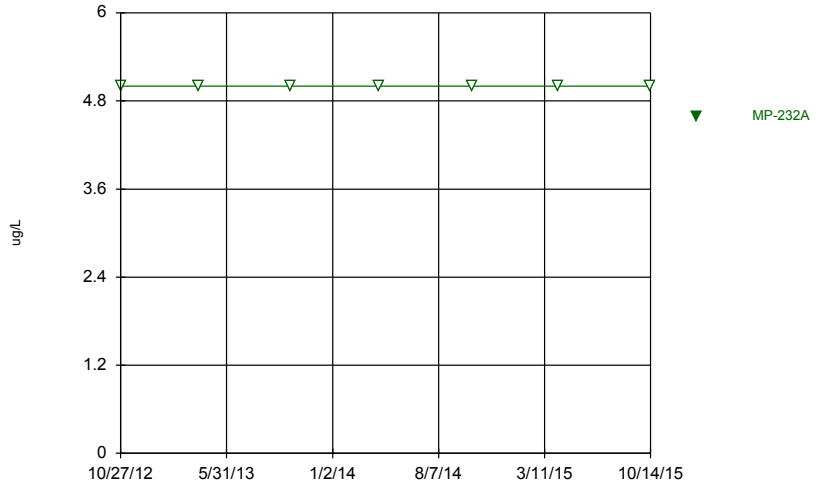

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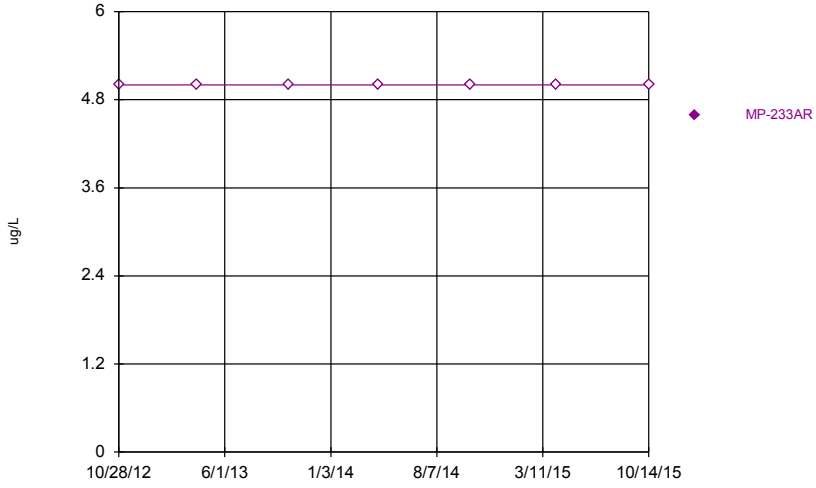

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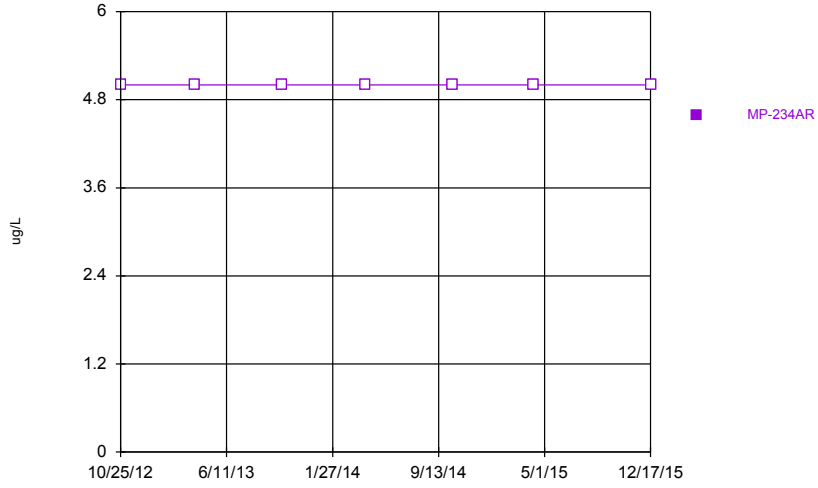

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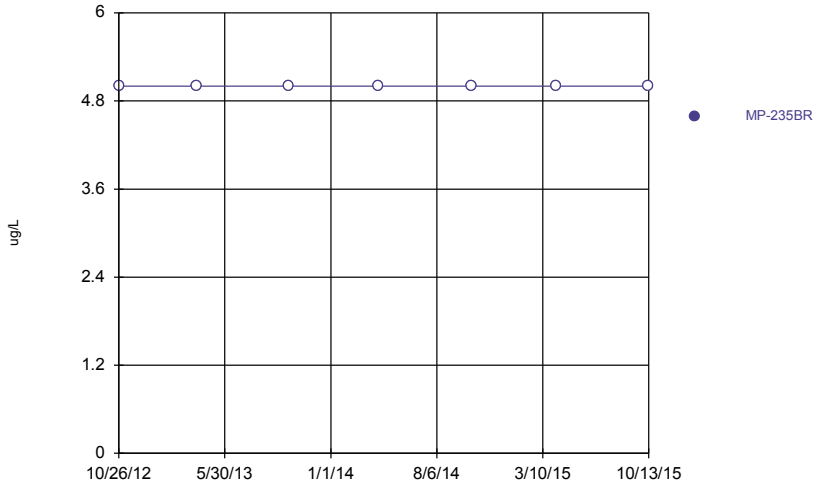

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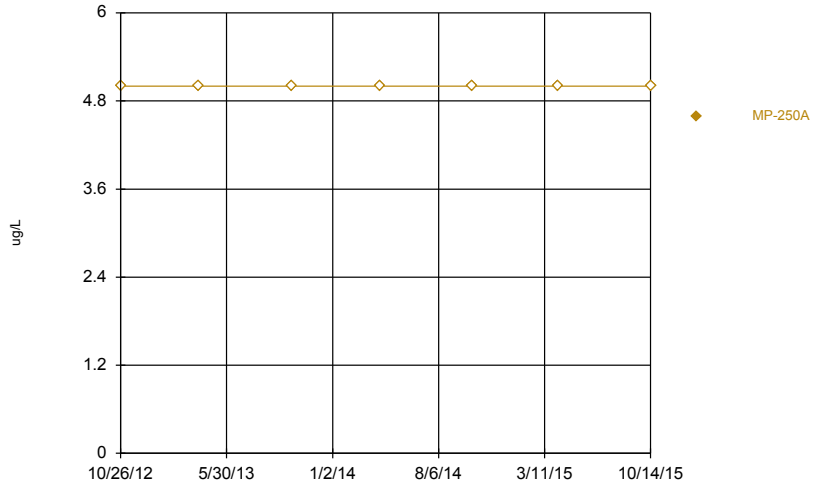

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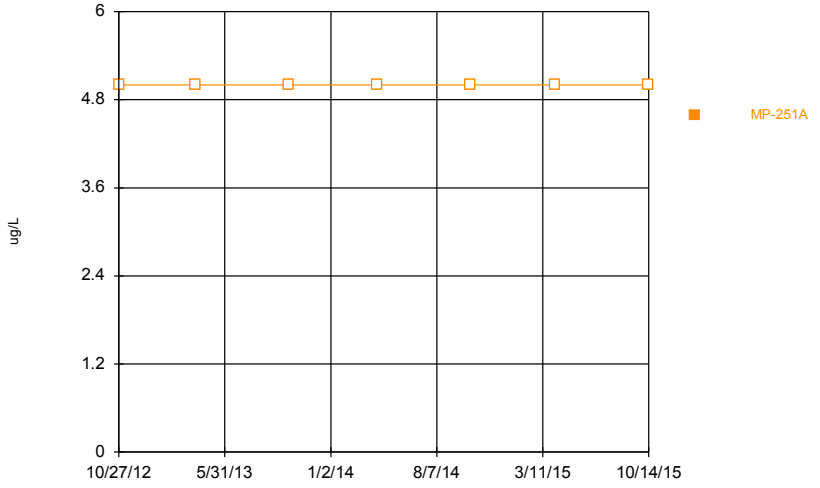

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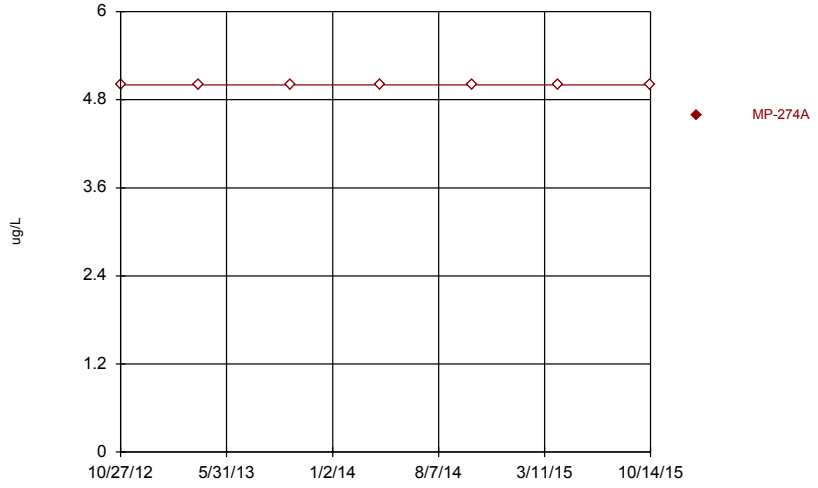

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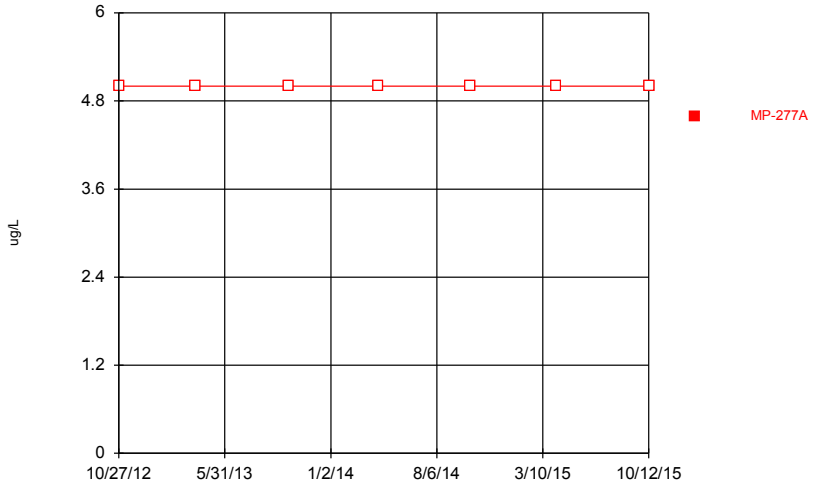

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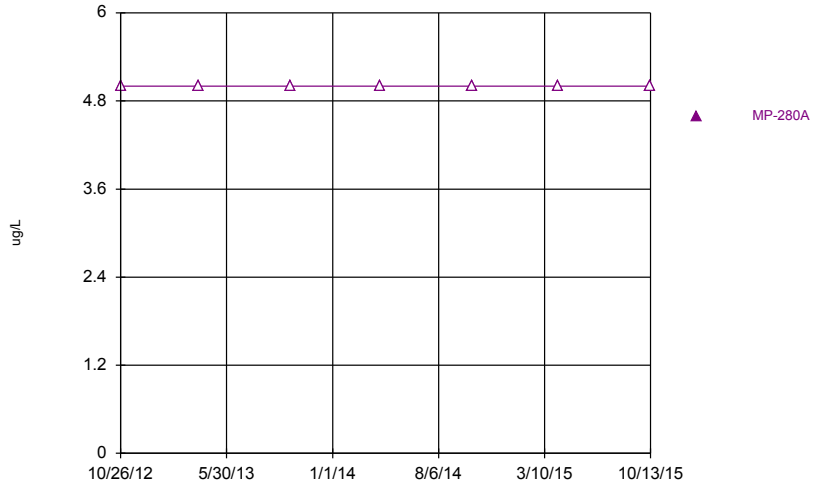

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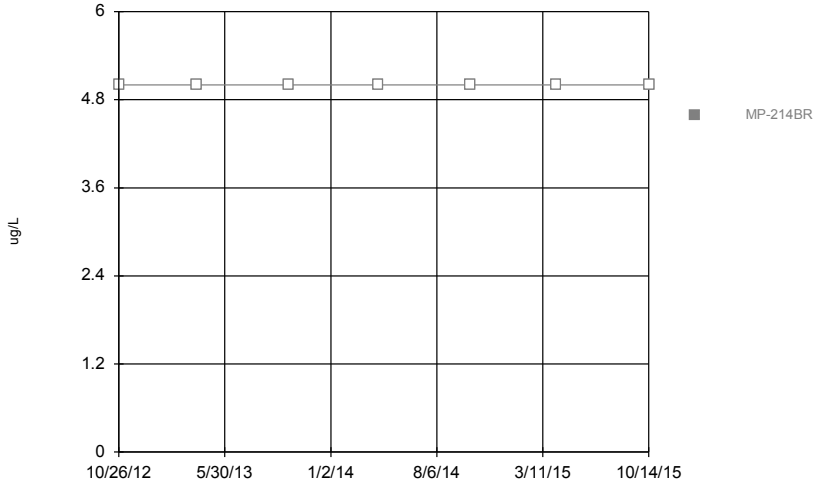

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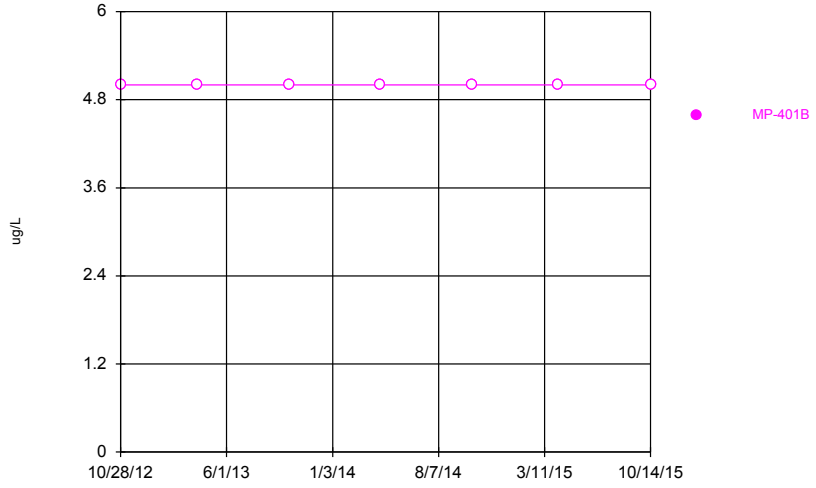
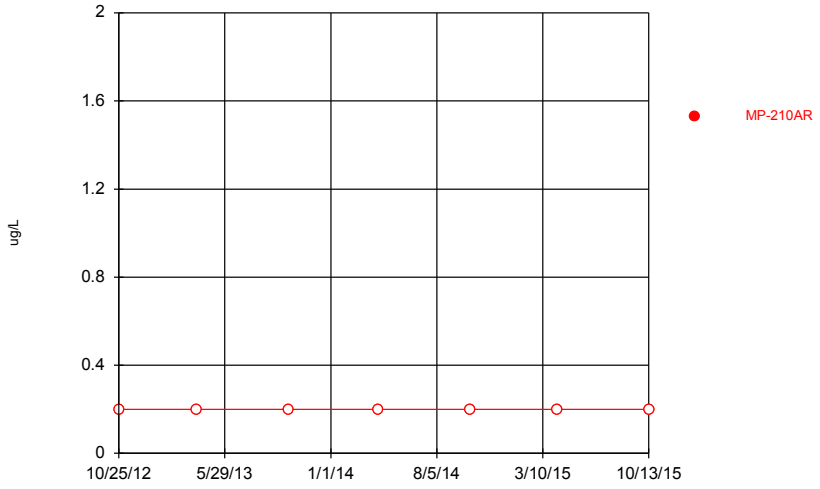


Constituent: Lead Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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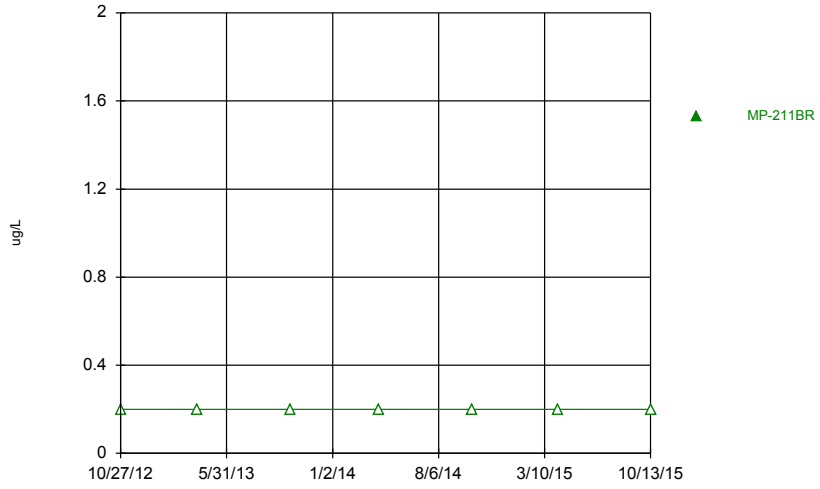
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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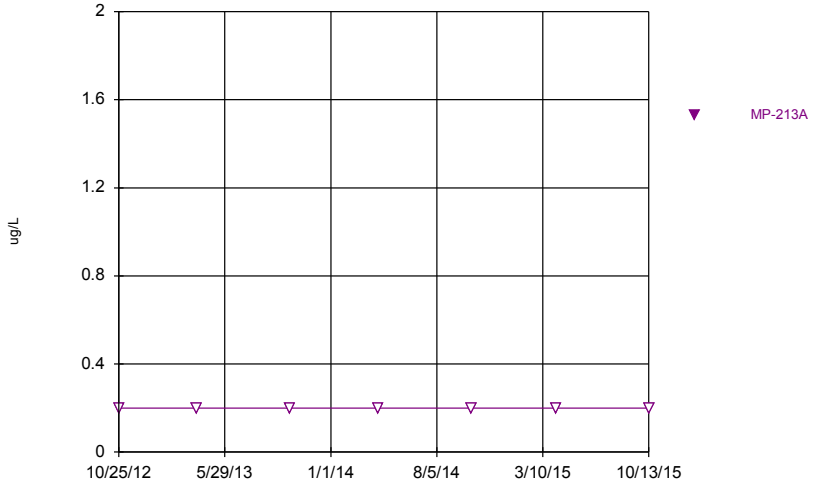
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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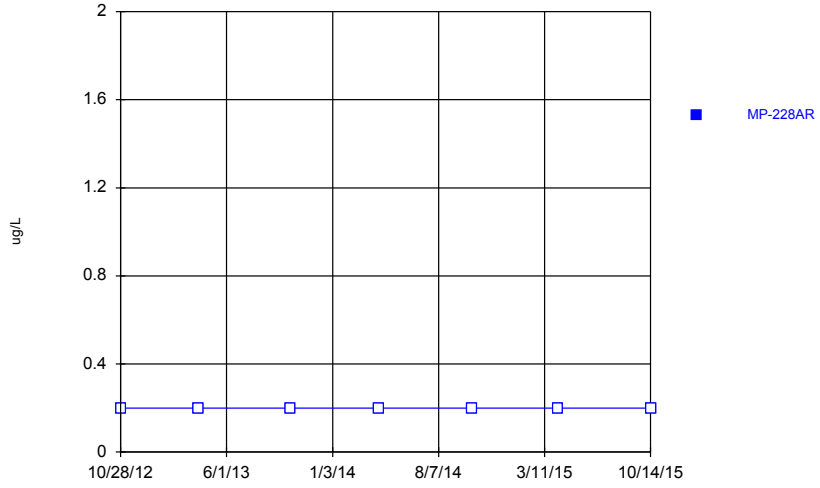
Time Series



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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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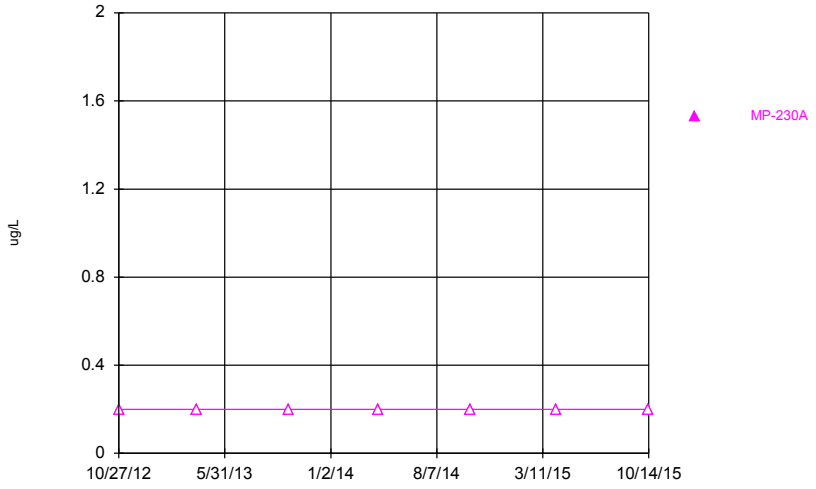
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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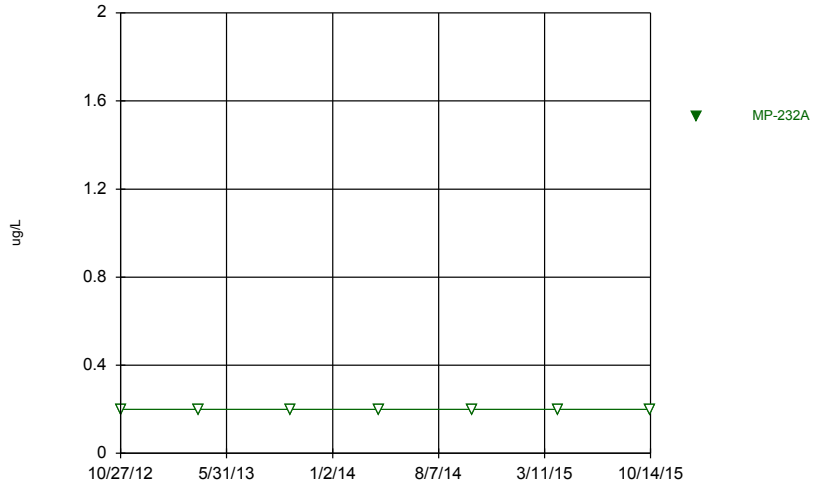
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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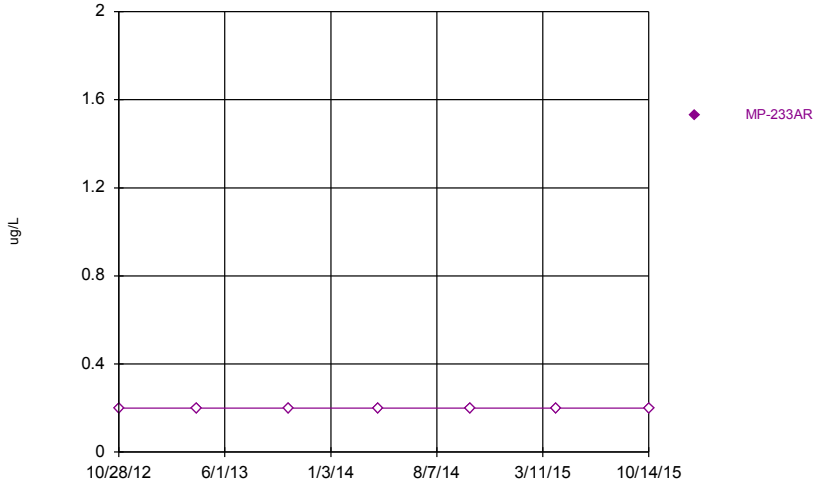
Time Series



Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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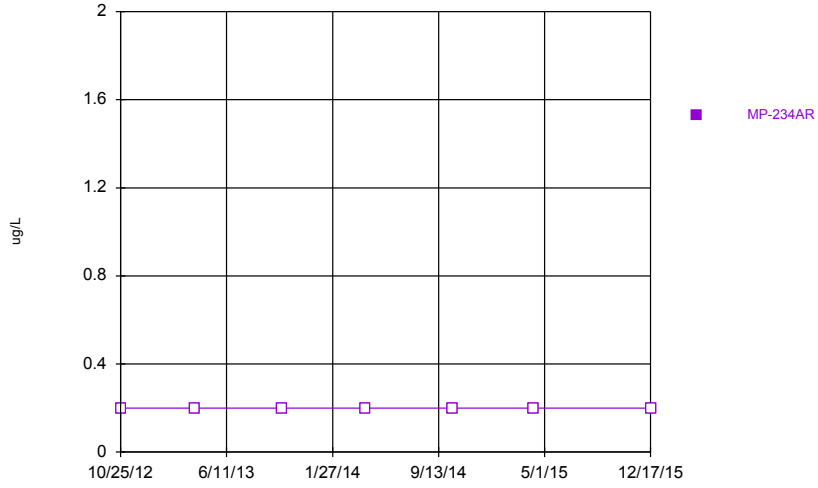

Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
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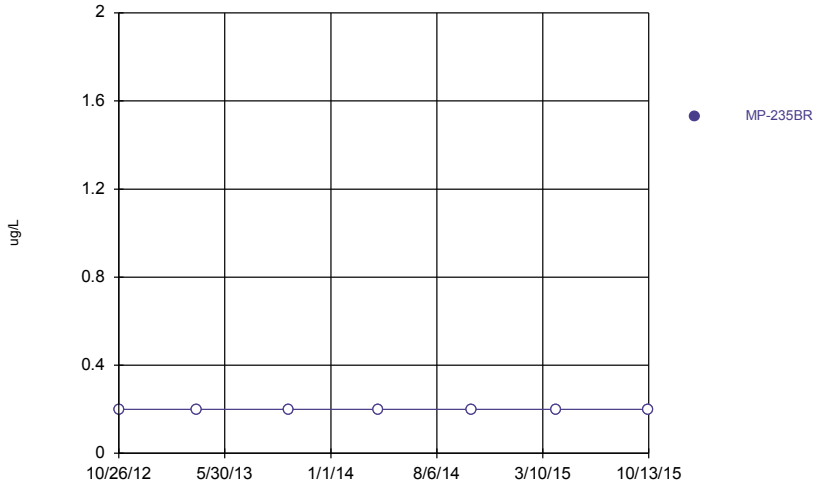

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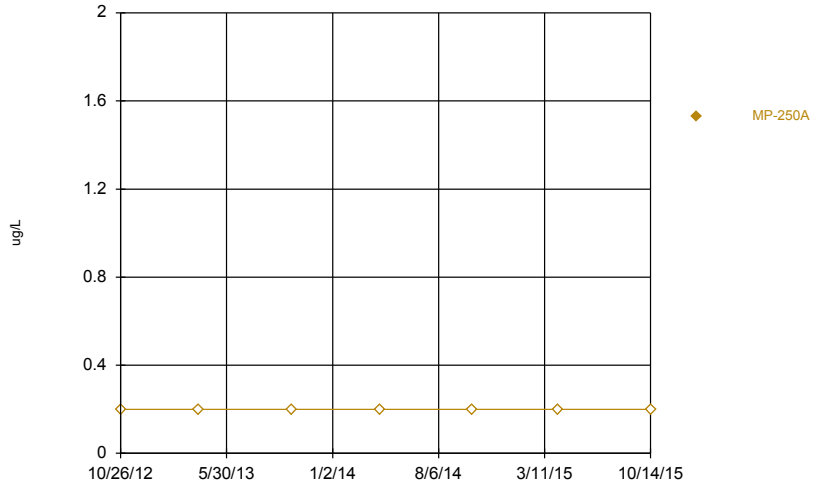

Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:17 PM View: Time Series
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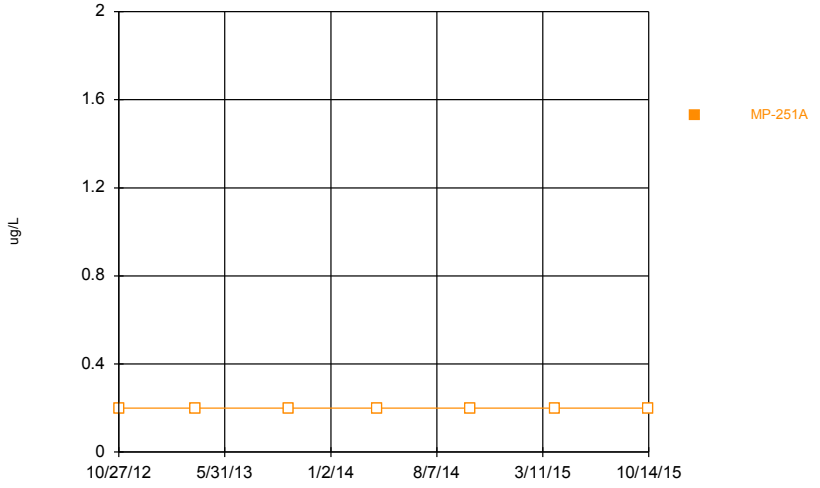

Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:18 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
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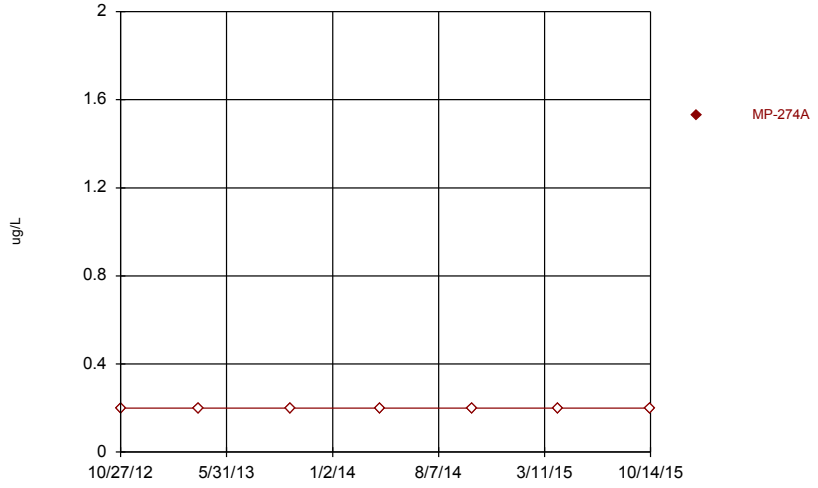

Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:18 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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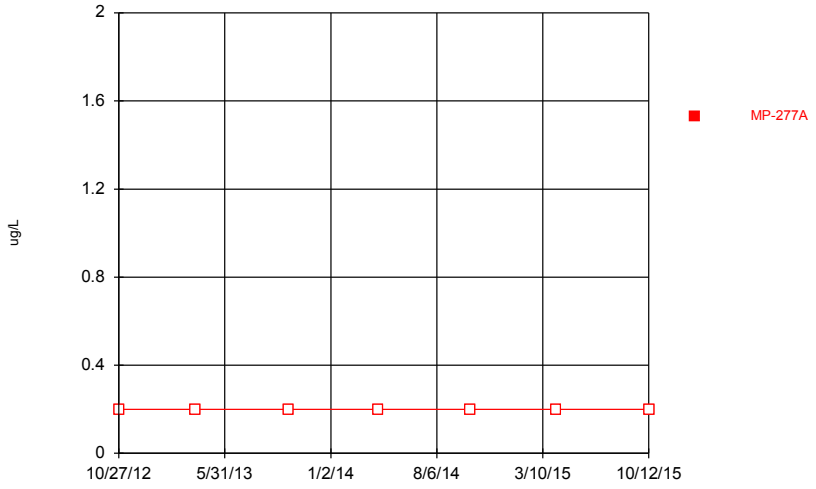

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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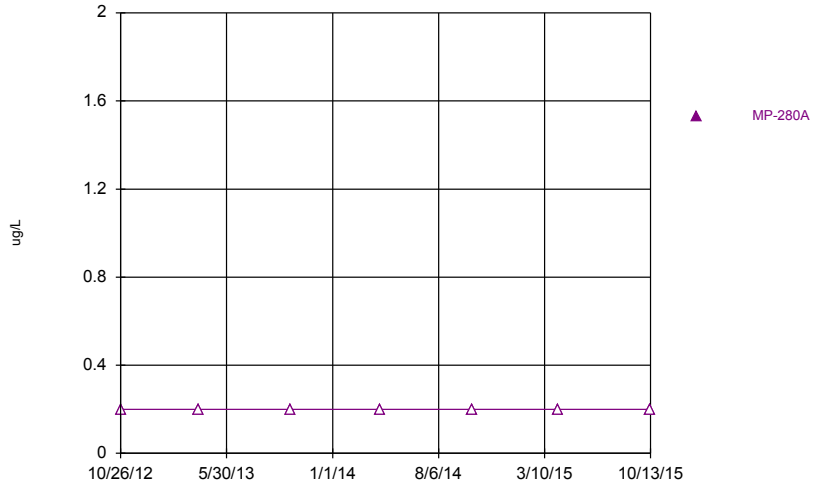

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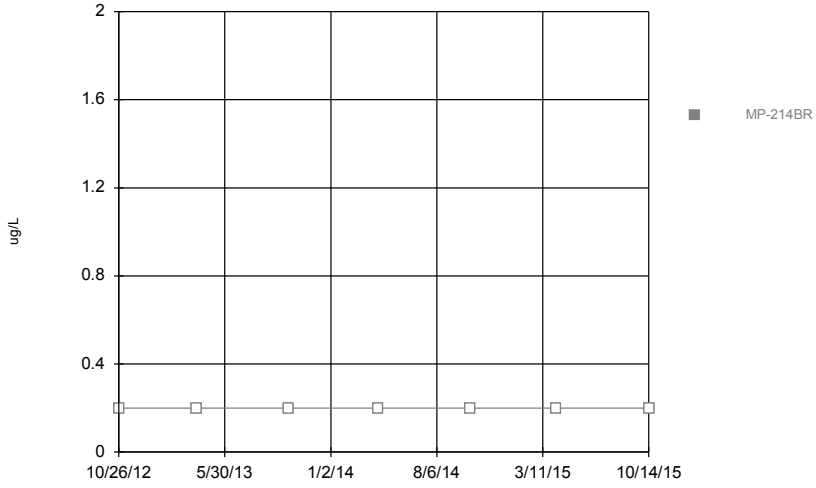

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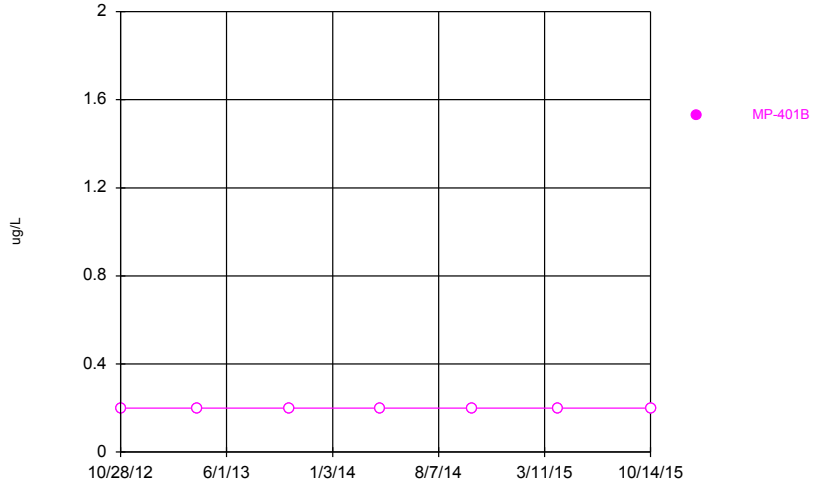

Constituent: Mercury Dissolved Analysis Run 1/6/2016 1:18 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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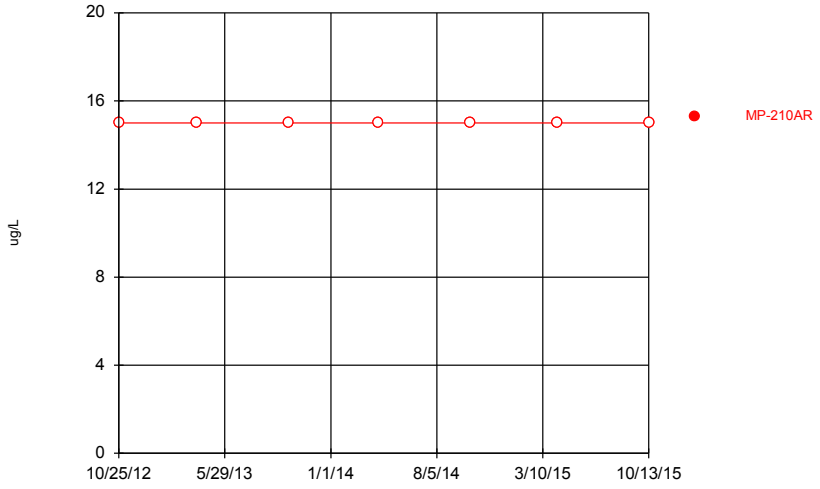

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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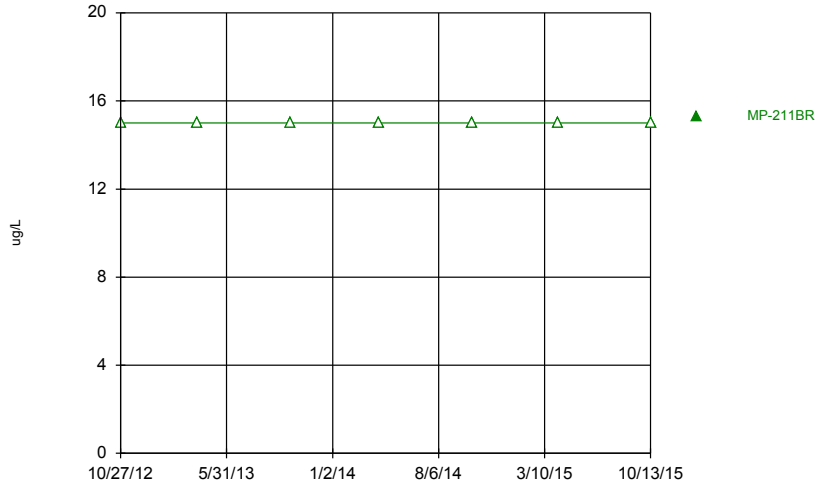

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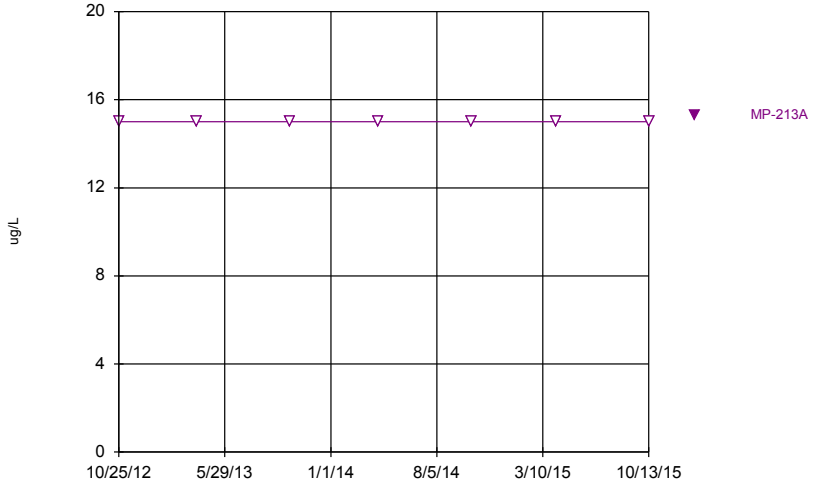

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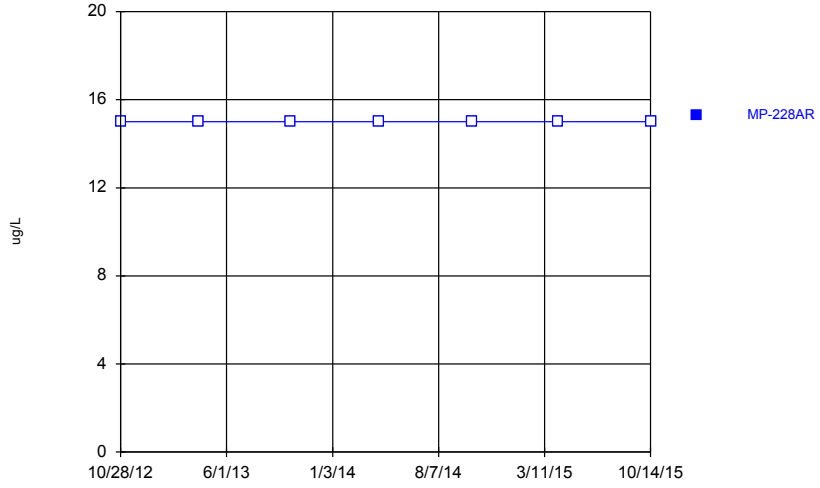

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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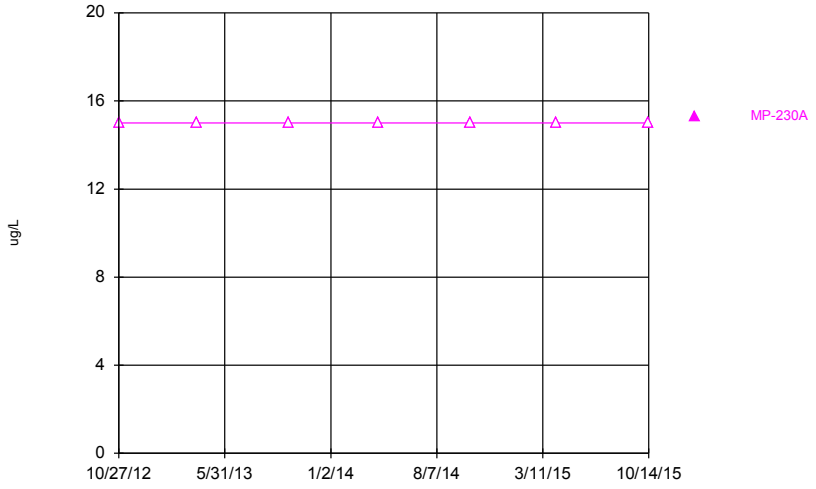

Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:18 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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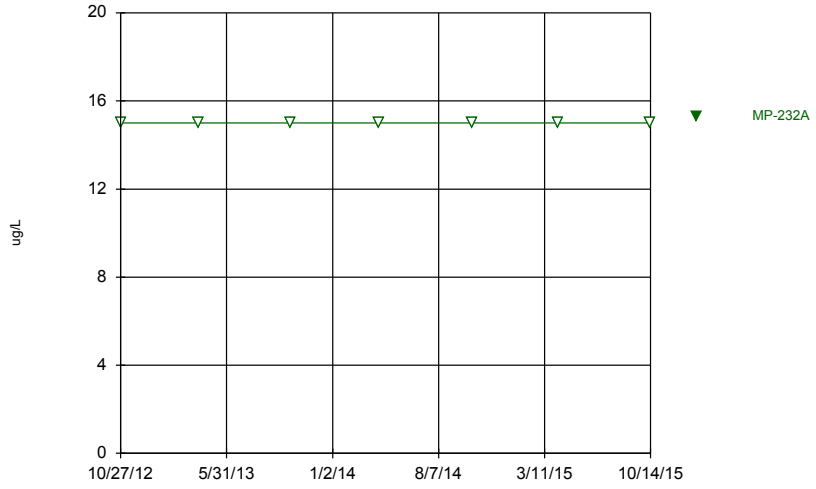

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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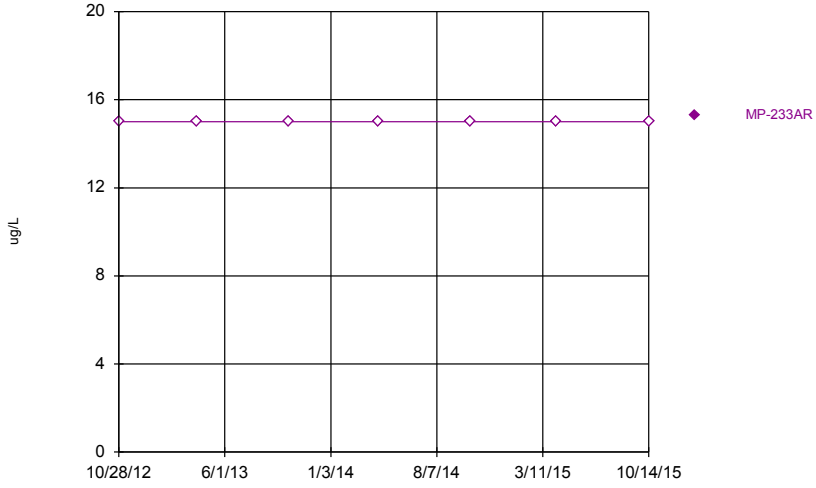

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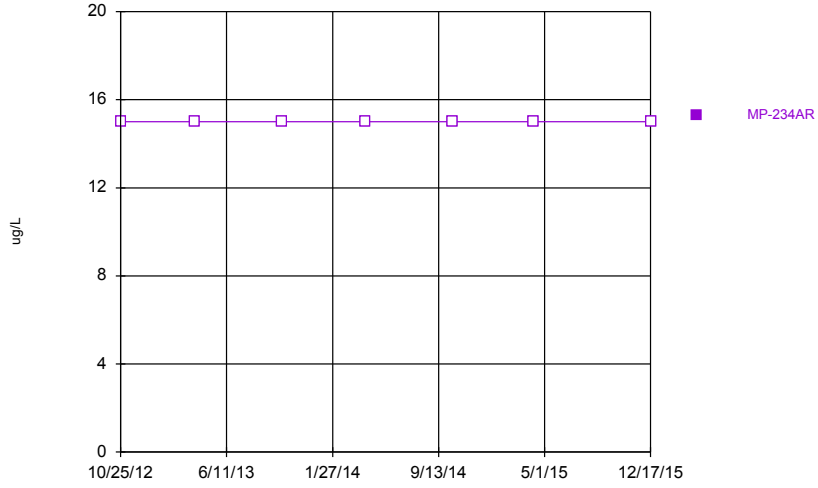

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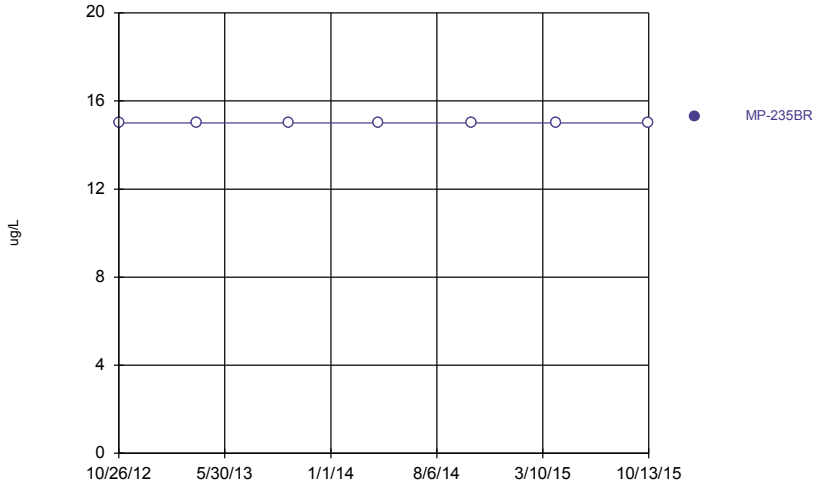

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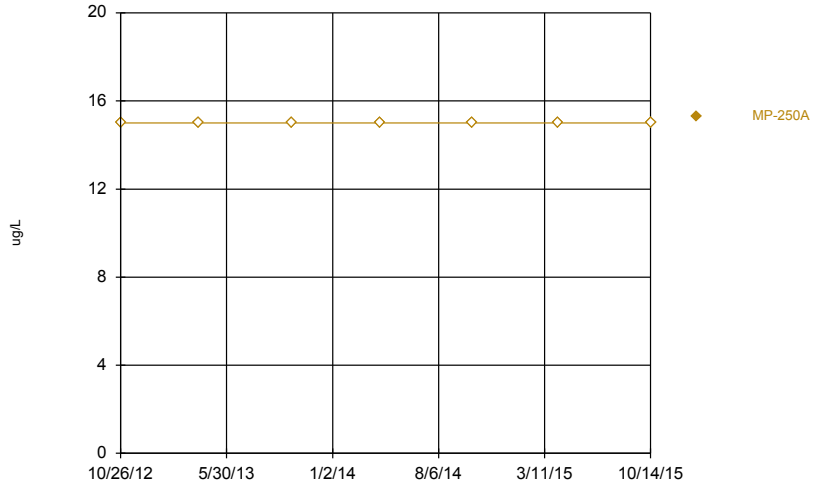

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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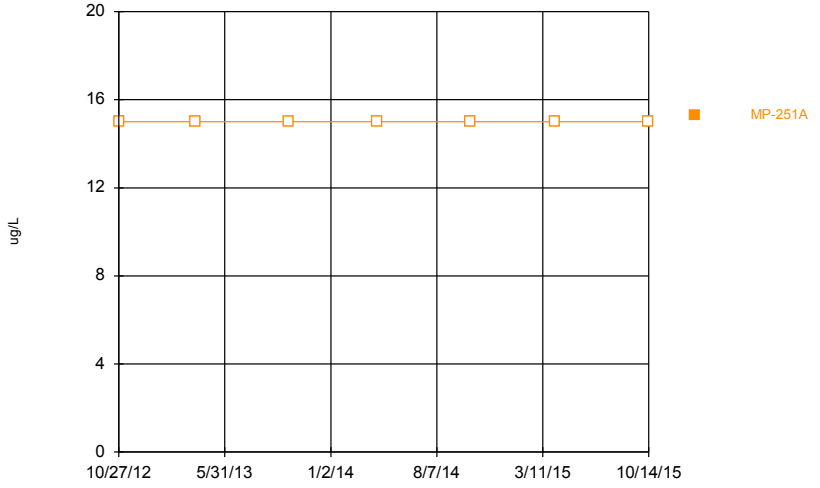

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Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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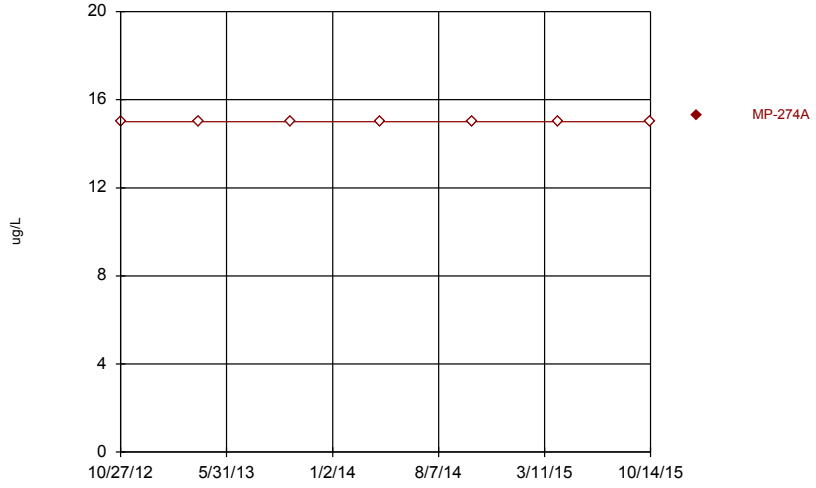

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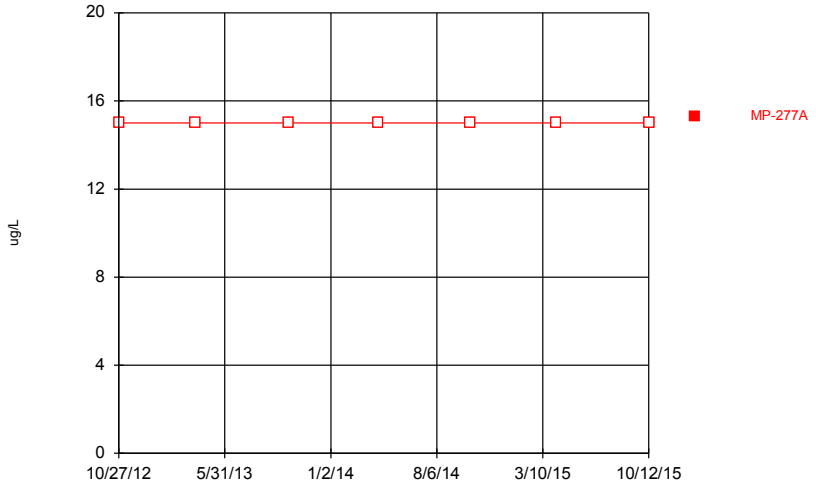

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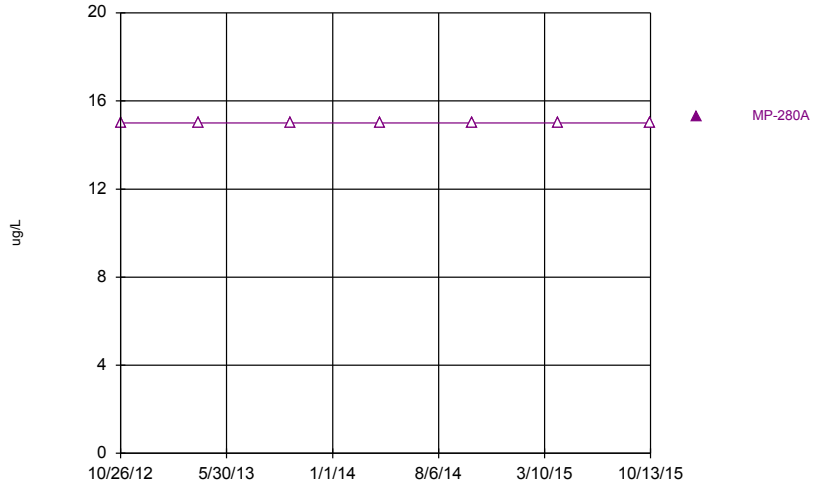

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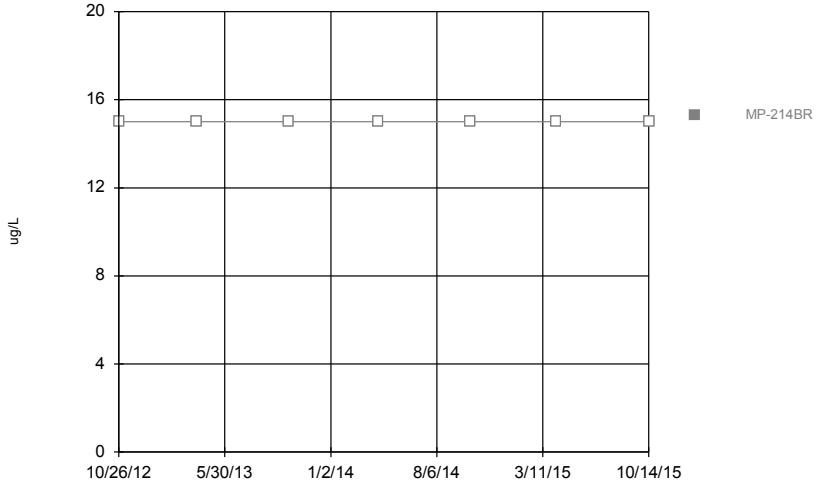

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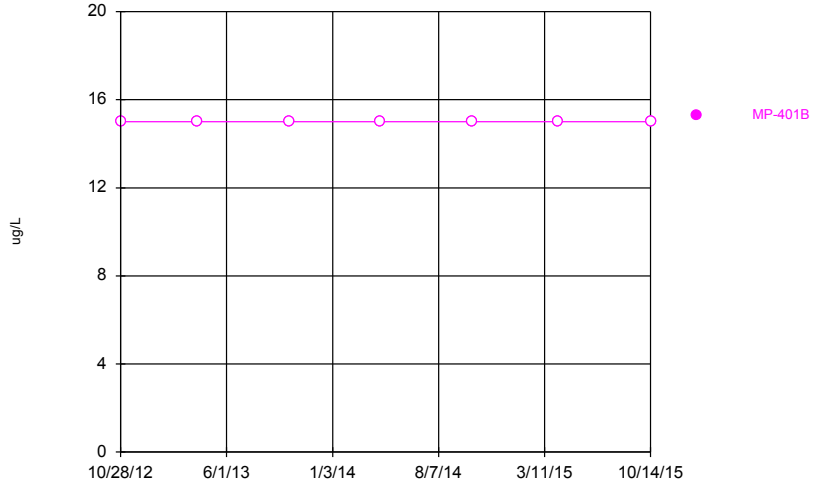

Constituent: Selenium Dissolved Analysis Run 1/6/2016 1:18 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

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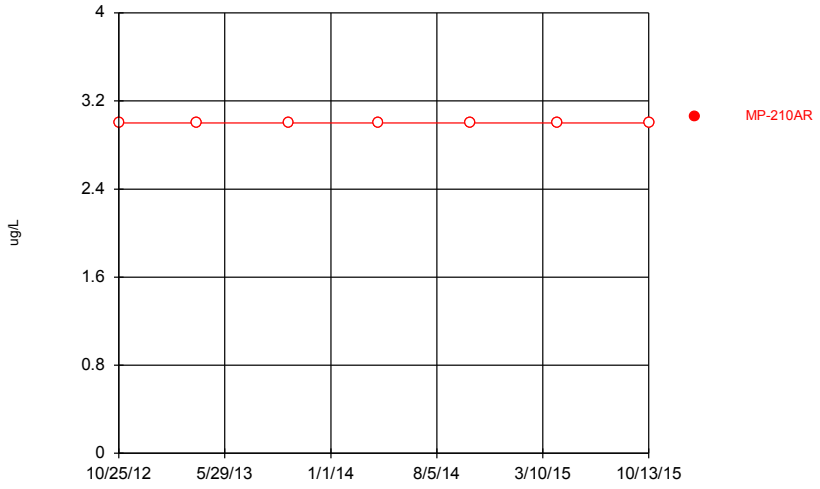

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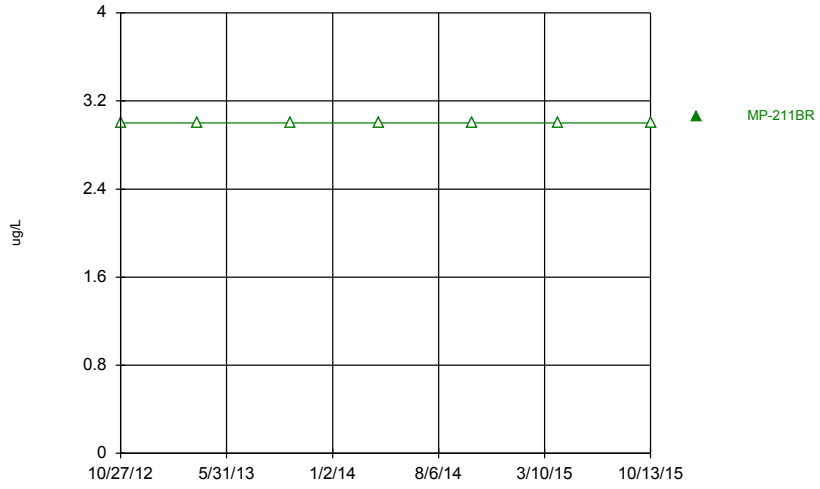

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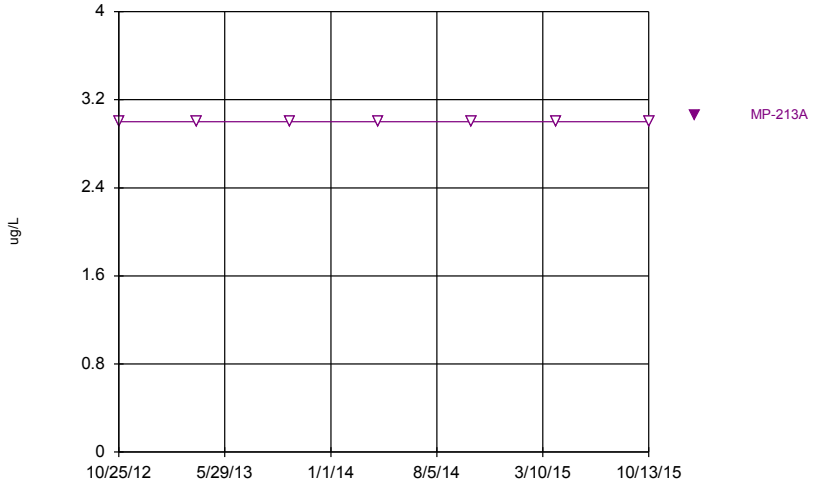

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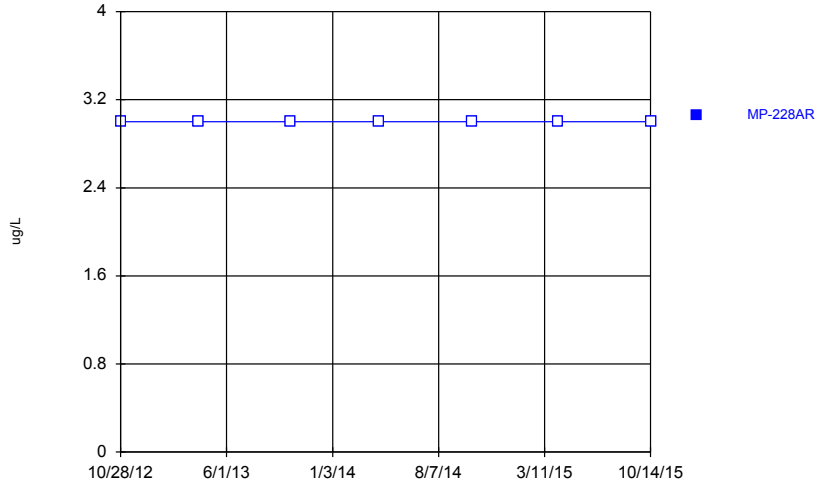

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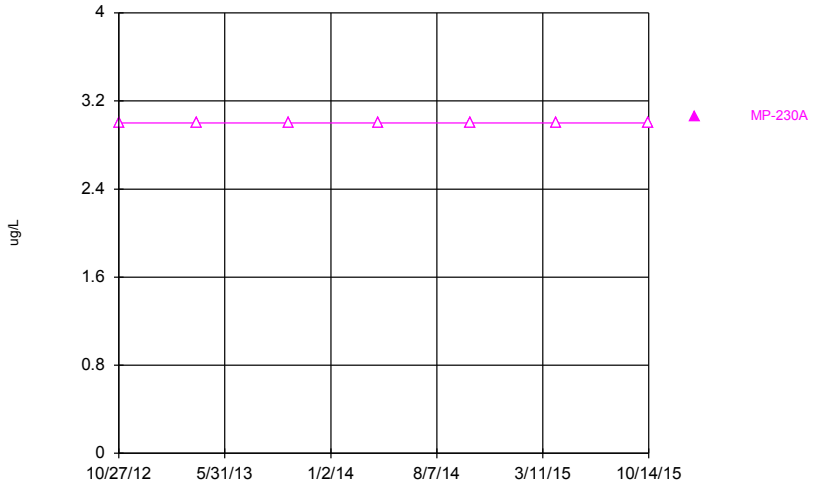

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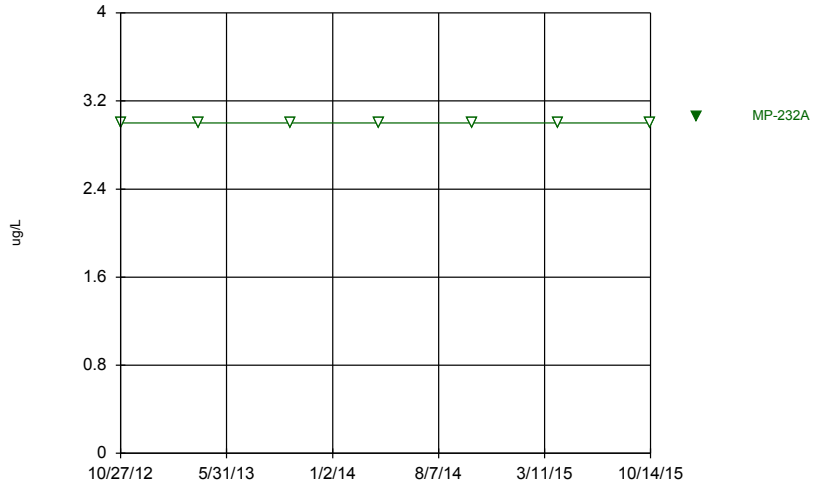
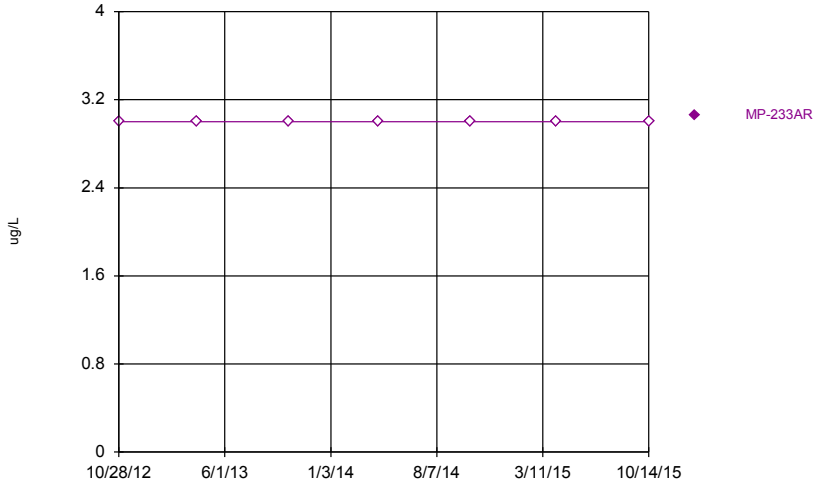


Constituent: Silver Dissolved Analysis Run 1/6/2016 1:18 PM View: Time Series
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - 880

Sanitas™ v.9.5.20 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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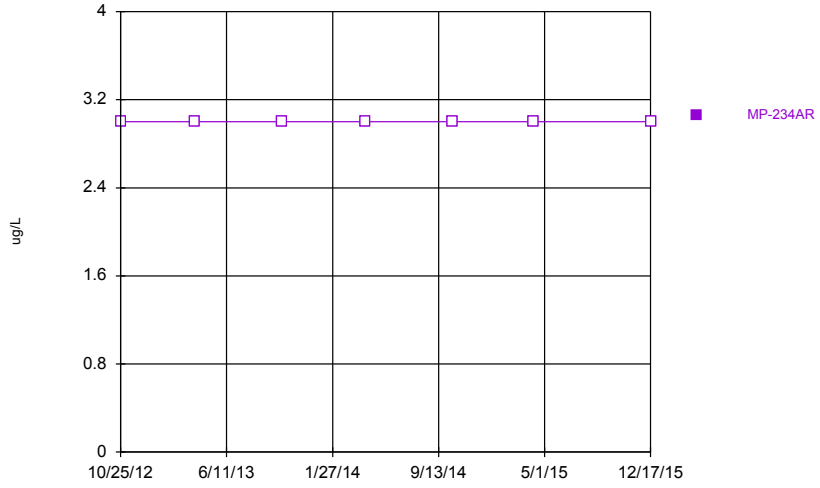
Time Series



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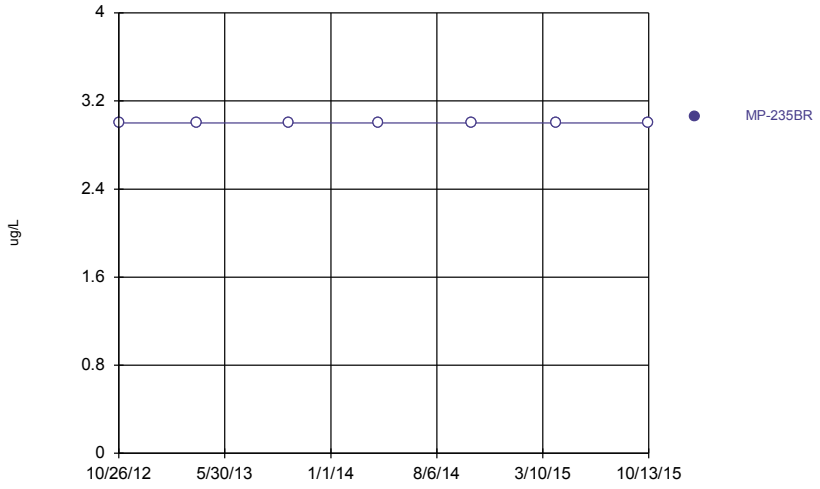
Time Series



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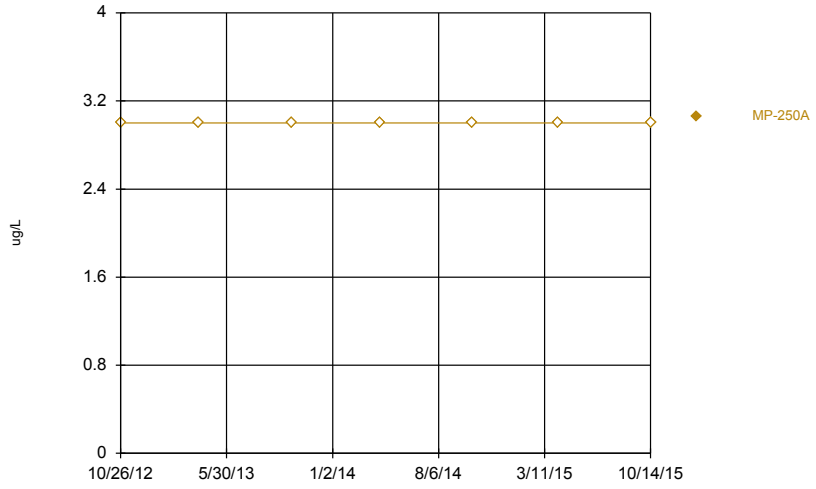
Time Series



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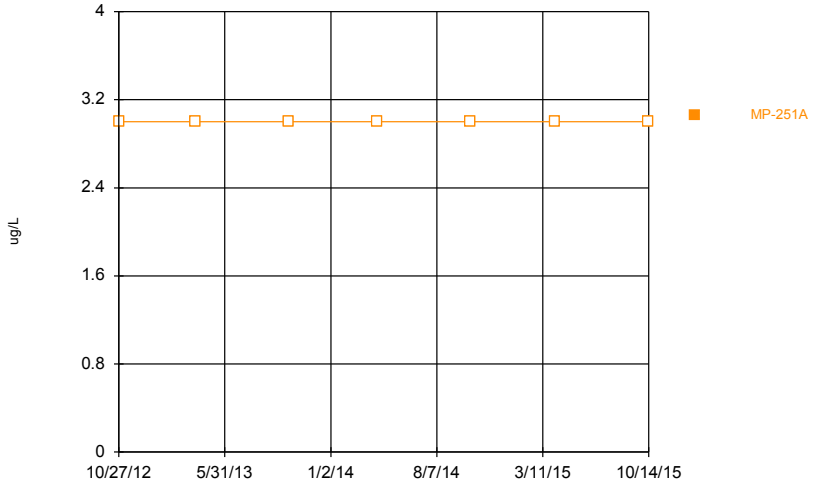
Time Series



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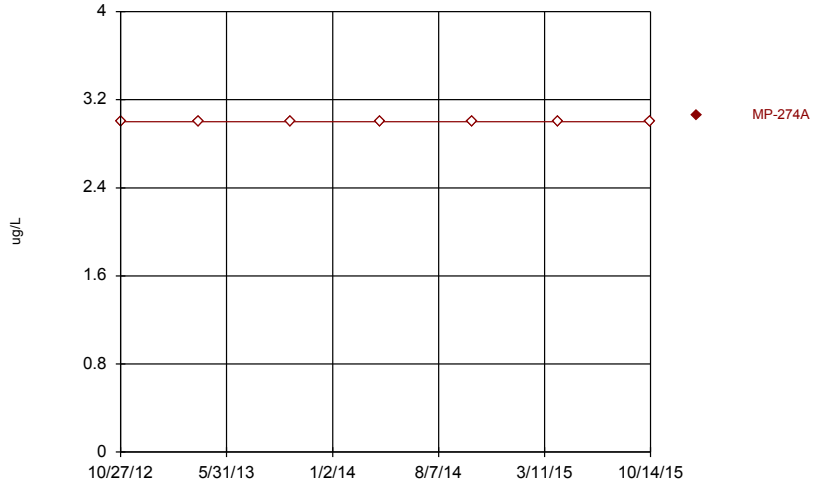

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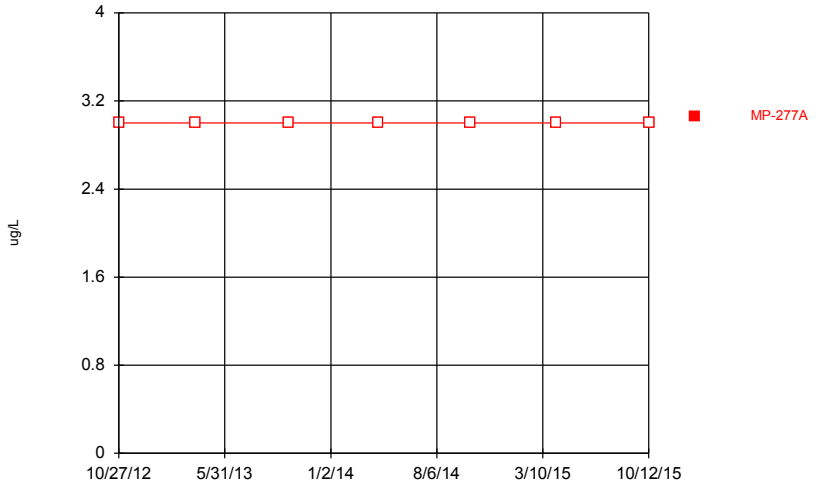
Time Series



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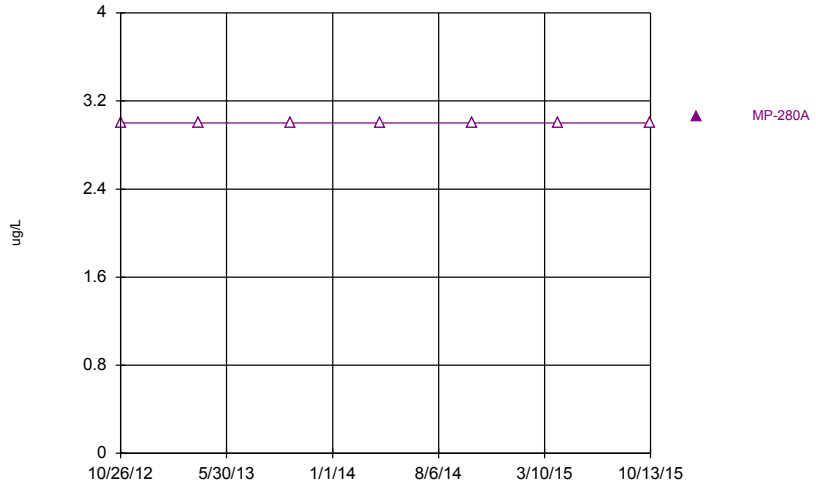

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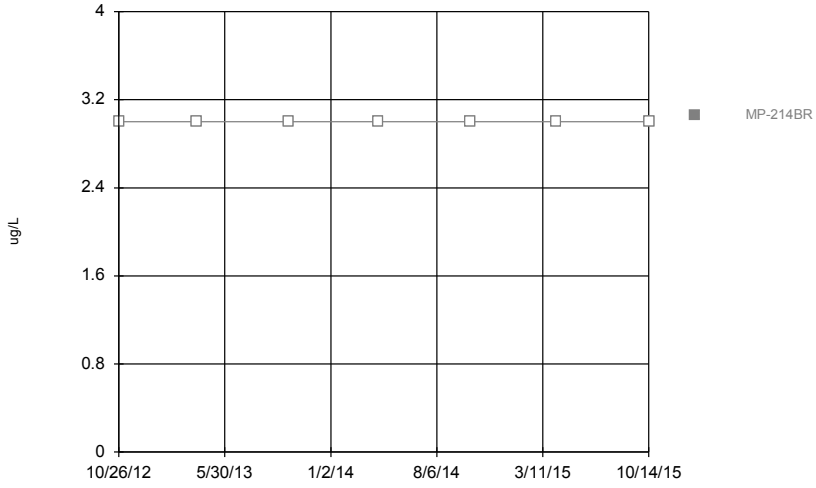

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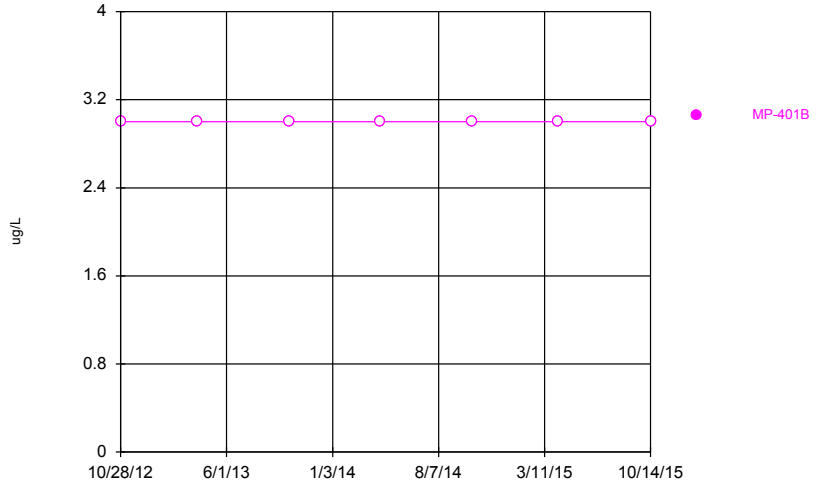

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