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Our Contribution to the Environment®

October 30, 2014

Dr. Montague McPherson
Georgia Department of Natural Resources
Response and Remediation Program
Suite 1462 East Tower
2 Martin Luther King, Jr. Drive, S.E.
Atlanta, Georgia 30334-9000

Subject: **Fourth VIRP Semi-annual Progress Report**
Georgia Ports Authority-Bainbridge Terminal
HSI Site No. 10071
1321 Spring Creek Road,
Land Lot 373, Parcels: 20, 21A, and portion of Parcel 19,
Bainbridge, Decatur County, Georgia

Dear Mr. McPherson:

On behalf of Georgia Ports Authority (GPA), Environmental International Corporation (EIC) is pleased to submit the attached documents as the Fourth Voluntary Investigation and Remediation Plan (VIRP) Semi-annual Progress Report for the above referenced site.

Enclosed are the following material:

1. One signed and sealed certification page for the Semi-annual Report.
2. One copy of EIC's Fourth VIRP Semi-annual Progress Report.
3. Two Compact Discs each with the report in searchable PDF format.

If you have any questions regarding this submittal, please contact Mr. Christopher Novack of GPA at 912-964-3922 or me at the above location.

Sincerely,

ENVIRONMENTAL INTERNATIONAL CORPORATION

Raj Mahadevaiah, P.E., C.G.W.P.
President & CEO

Cc: Christopher Novack, GPA

CERTIFICATION AND SUPPORTING DOCUMENTS
Fourth VIRP Semi-annual Progress Report
Georgia Ports Authority-Bainbridge Terminal
HSI Site No. 10071
October 30, 2014

"I certify under penalty of law that the accompanying report referenced above and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Investigation and Remediation Plan (VIRP) development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

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."

Basavaraj Mahadevaiah, GA PE No. 23198
Environmental International Corporation
770-772-7100, ext. 223

10/30/14
Date

GEORGIA REGISTERED No. 23198 PROFESSIONAL ENGINEER BASAVARAJ MAHADEVAIAH

Signature and Stamp

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

October 30, 2014

Submitted To:

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

Georgia Department of Natural Resources

Response and Remediation Program

Suite 1462 East Tower
2 Martin Luther King Jr. Drive, S.E.
Atlanta, Georgia 30334

Prepared for:

GEORGIA PORTS AUTHORITY

P.O. Box 2406

Savannah, Georgia 31402

Prepared by:

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A. EIC March 2014 Well Purging and Sampling Field Logs

B. EIC September 2014 Well Purging and Sampling Field Logs

C. March 2014 Groundwater Analytical Results

D. September 2014 Groundwater Analytical Results

E. July 2014 Survey Report

F. July 2014 IDW Waste Characterization Analytical Results

G. Monthly Summary of Hours Invoiced

SECTION

1

1. INTRODUCTION

On behalf of Georgia Ports Authority (GPA), Environmental International Corporation (EIC) is pleased to submit the Fourth Semi-annual Progress Report to the Georgia Environmental Protection Division (EPD). This report was prepared as outlined in the Voluntary Investigation and Remediation Plan (VIRP) dated July 27, 2012 that was subsequently approved by the EPD on November 2, 2012 under the Voluntary Remediation Program (VRP).

1.1 PRIMARY OBJECTIVES

The primary objectives of this report is to present a compilation of tasks conducted by EIC during the eight-month time frame covering the period from March 2014 to October 2014. This report documents the following tasks which were completed to create a better understanding of site conditions and COC trends, address concerns from the EPD, and develop appropriate health and safety protocols at the site:

- Addressing comments from EPD
- Continued evaluation of COC trends in groundwater
- Monitoring well repairs and installation
- Aquifer characterization
- Long-term river level analysis
- Investigative derived waste (IDW) characterization
- Health and safety briefing for site employees
- Site conceptual model update

SECTION

2

2. EPD COMMENT LETTER

GPA received a letter from the EPD, dated July 2, 2014 (EPD, 2014), commenting on its review of the First, Second and Third VIRP Semi-Annual Progress Reports EIC prepared dated May 9, 2013, October 30, 2013, and April 30, 2014, (EIC, 2013a, 2013b, 2014b) and of a groundwater monitoring report by a previous consultant (CH2M, 2013) dated February 20, 2013. This letter was the last official response that GPA received from EPD. EIC addresses each of these comments in the following responses.

EPD Comment 1

EPD concurs the soils are delineated in area AOC 3 and that it is currently not an area of concern.

Response:

The EPD's concurrence of AOC 3 delineation is noted and will be referenced in future reports.

EPD Comment 2

EPD concurs that the soil contamination immediately north of AOC 2 is delineated. However, the extent of soil exceedances has not been determined to the south and should be addressed in future reports. EPD recommends that AOC 2 be expanded to the east to include the adjacent railroad tracks and to the south and west to abut the AOC 1 fence line.

Response:

In AOC-2, EIC will collect additional samples within the railroad tracks located to the east of Warehouse No. 3. As discussed in Section 4.2.3 of the VIRP, however, the site remedy for the paved area beneath AOC-2 entails institutional controls and site covenants. As such, additional samples in paved areas to the south and west do not add value.

EPD Comment 3

Georgia Ports Authority (GPA) stated in their Second VIRP Progress Report that EIC is awaiting backup documentation to address Comment #8 in EPD's comment letter dated November 2, 2012. However, this issue was not addressed in the Third VIRP Progress Report.

Response:

On August 2014, EIC received additional soil sampling data collected by the previous site contractor (GPA, 2014). Utilizing the additional data, EIC has compiled a comprehensive list of all available sampling data, as tabulated in Table 2-1. The table provides a summary of the confirmatory soil pesticide data relative to RRS constituents from the North Area excavation.

EPD Comment 4

EPD concurs that vertical delineation is satisfied by MW -14 in accordance with item 5.c. of the VIRP Checklist.

Response:

The EPD's concurrence of vertical delineation by MW-14 is noted. EIC will continue to monitor MW-14 in groundwater sampling events to determine if vertical delineation continues.

EPD Comment 5

Figure 4-5 and Table 4-3 indicate MW-13 was dry and was not sampled in the December 2013 sampling event. This well has historically exceeded risk reduction standards for beta-BHC whenever sampling was possible. Therefore, delineation west of MW-13 is not complete as noted in Comment 5 of our November 2, 2012 letter. Note that horizontal delineation on GPA property was to be completed by November 2, 2013 in accordance with the VIRP checklist. Please include historical data for MW -13 in future Groundwater Data Summary tables.

Response:

EIC has proposed the installation of one or two wells southwest of MW-13 for completing horizontal delineation. As documented in Section 4.2.2.2 of this report, EIC has taken corrective action to prevent dry conditions in MW-13. This will provide more consistent groundwater monitoring data in the future. Table 3-4 includes additional historical groundwater analytical results data for MW-13 ranging from March 2013 to April 2002.

EPD Comment 6

GPA has presented evidence that a source of groundwater contamination exists upgradient of the GPA property and proposes to provide more detail in an updated conceptual site model in the next semi-annual report. While EPD does concur with this analysis, we do not concur with the implications in the reports that all pesticide and

sulfate groundwater detections are from upgradient sources. We suspect multiple sources both on and off the GPA property.

Response:

The EPD's concurrence with upgradient contamination analysis is noted and will be referenced in future reports. An updated conceptual site model is in progress and will be included in future semi-annual reports. EIC will continue to investigate and evaluate contaminant sources and conditions/mechanisms that contribute to the observed contaminant levels.

SECTION

3

3. GROUNDWATER MONITORING

EIC conducted groundwater monitoring events during the first and third quarters of 2014 in March and September, respectively. During these events, groundwater samples were collected from site monitoring wells and analyzed for pesticide constituents of concern (COCs). Pesticide contamination analyses included the primary benzenehexachloride (BHC) COCs, composed of isomers, α-BHC, β-BHC, δ-BHC, and γ-BHC (Lindane). Under the approved VIRP (EIC, 2012), all available monitoring wells are being utilized for the monitored natural attenuation (MNA) remedial approach. The following subsections describe the monitoring program events and results.

3.1 GROUNDWATER MONITORING FIELD PROGRAM

During the March 2014 event, EIC conducted groundwater monitoring at all 23 available monitoring wells. Included in the 23 wells utilized are two monitoring wells (MW-14 and MW-17) that are defined by EIC as "deep wells", as they are screened at or greater than 50 feet below ground surface (bgs). During the September 2014 event, EIC conducted groundwater monitoring at the same 23 monitoring wells and an additional well, MW-23, installed by EIC. Details of the MW-23 installation are included in Section 4.1 of this report. A site layout map including monitoring well locations is illustrated in Figure 3-1. In preparing this map, EIC plotted the monitoring well locations based on both historical well surveys and well surveys EIC conducted in June 2013 and July 2014.

3.1.1 Sampling Protocol

The groundwater sampling program was conducted in accordance with the current U.S. EPA groundwater sampling procedure "Field Branches Quality System and Technical Procedures" (FBQSTP) per EPD regulations. Each monitoring well was gauged, purged, and sampled following the "low-flow" purge technique established in the standard operating procedure (SOP) SESDPROC-301-R3 under the FBQSTP (EPA, 2013).

3.1.2 Site Access

Prior to EIC's site visits, EIC coordinated with the GPA regarding on-site field activities and contacted Agrium U.S., Inc. (Agrium) for permission to access and conduct off-site well monitoring on the adjacent property to the northeast of the GPA site where wells MW-15, MW-16, MW-18, MW-19, MW-20, and MW-21 are located. EIC also contacted the Georgia Department of Transportation (DOT) to obtain permission to access monitoring well MW-22, located on the north right-of-way of Georgia State Highway 253/Spring Creek Road. Upon arrival at the site, EIC acquired access permission from Ergon, whose property to the east of the site must be utilized to access wells MW-2 and MW-11.

3.1.3 Field Procedures

3.1.3.1 Groundwater Gauging

Prior to sampling, EIC gauged each well with a Solinst Model 122 interface meter ("oil/water interface probe") to determine the static depth to groundwater. EIC utilized top-of-casing (TOC) elevations from the most recent well surveys to determine the current groundwater elevations. The gauging data from the March and September 2014 monitoring events is tabulated in Table 3-1 and Table 3-2 respectively.

3.1.3.2 Groundwater Sampling

Prior to initiating field well monitoring activities in March, EIC placed a 55-gallon drum in the vicinity of the southeast corner of the Rock Salt Warehouse (R.S.W.) on-site to containerize investigative derived waste (IDW) purged groundwater. EIC then placed a non-hazardous label on this drum with the shipper noted as "Georgia Ports Authority", contents noted as "IDW Well Purge Water", and accumulation date noted as "03/27/2014". A second drum, labeled similarly, with an accumulation date noted as "09/05/2014" was placed near the warehouse located north of the bulkhead and pier along the Flint River during the September monitoring event. EIC utilized a peristaltic pump for purging and sampling groundwater. Disposable 1/4-inch inner diameter (ID) Teflon-lined tubing and silicon tubing at the pump head was utilized in all wells for purging. Groundwater from each monitoring well was pumped via the peristaltic pump through a multi-parameter field water quality meter equipped with a flow-through cell.

EIC calculated the appropriate Teflon tubing length and intake depth for each well by considering the following monitoring well characteristics: the field-measured depth to groundwater, the field-measured height of the well TOC above the ground surface, the established field-measured depth to bottom, and the documented well total depth and screened interval on well construction logs. Following the SOP SESDPROC-301-R3 (EPA, 2013), EIC set the tubing intake approximately at the center of the wetted screen interval. The pump speed was set based on well recharge and time for groundwater quality standards to reach stabilization from previous sampling events to limit drawdown and purge time at each well. In the event that the recharge rate was anomalous compared to previous sampling events, the pump speed was adjusted accordingly and noted on the field purging data forms. These forms are included as Attachment A and Attachment B for March and September, respectively.

During purging at each well, water quality parameters including temperature, pH, oxidation-

reduction potential (ORP), specific conductivity, turbidity, dissolved oxygen (DO), rate of evacuation, and depth to water were measured at approximately 5-minute intervals until certain parameters stabilized per SESDPROC-301-R3. EIC considered that parameters were stabilized when three consecutive readings were within ± 0.1 for pH and ± 5% for specific conductivity. Reasonable attempts were made to reach 0.2 mg/L DO and a turbidity reading at or below 10 nephelometric turbidity units (NTUs). These measurements were recorded on EIC's Well Purging and Sampling Data field logs (Attachments A, B). Groundwater quality field parameters after stabilization and prior to sample collection are summarized in Table 3-3. Note that three wells sampled during the March 2014 event (MW-6, MW-19, and MW-21) and five wells sampled during the September 2014 event (MW-1A, MW-3, MW-6, MW-17, and MW-19) contained turbidity levels greater than 10 NTUs after reasonable attempts were made to achieve this goal prior to sampling.

After water quality parameters stabilized at each accessible well, EIC cut the Teflon-lined tubing connecting the peristaltic pump to the flow-through cell. Groundwater samples were then collected by filling sample bottles with water discharged directly from the pump. All sample bottles were properly sealed and labeled in the field. Each sample was then stored with double-bagged ice in insulated cooler containers provided by the laboratory. Completed chain-of-custody forms accompanied all samples.

EIC submitted all groundwater samples for analysis to Xenco Laboratories, a Georgia Department of Natural Resources (GADNR) certified laboratory, located in Norcross, Georgia. Laboratory analysis included organochlorine pesticides contaminants using EPA Method 8081B/3660B (sulfur cleanup). The laboratory reports for the March and September sampling event are included as Attachment C and Attachment D, respectively.

Each time after sampling activities were completed, the 55-gallon drum containing IDW purge water was sealed by EIC. EIC relinquished all samples to the laboratory immediately after EIC personnel returned from the site, for the aforementioned analysis. The results of these analyses are summarized in Table 3-4.

3.2 QUALITY ASSURANCE AND QUALITY CONTROL

During each of the groundwater sampling events in March and September 2014, EIC collected additional samples for quality assurance (QA) and for the validation of analytical results. For organochlorine pesticides laboratory matrix spike analysis, one additional sample from wells MW-8 and MW-22 in March, and from wells MW-18 and MW-22 in September was collected. A duplicate sample was collected from well MW-19 in March and from well MW-10 in September, and an equipment rinsate (blank) sample was collected during each event. The equipment blank samples were collected by pumping de-ionized water through a 10-foot length of Teflon-lined tubing and approximately 6-inches of silicone tubing.

To prevent cross-contamination, new disposable Teflon-lined tubing and disposable silicone tubing were used to collect all samples, with one exception, described below. EIC's oil/water interface probe and tubing cutter tool were field decontaminated prior to use and between sample locations by washing with pressurized phosphate-free detergent solution and rinsing with pressurized de-ionized (DI) water. After each sample was collected, the multi-parameter water quality meter, the parameter sensors, and the flow-through cell were decontaminated by disassembling and cleaning

with pressurized DI water and, if needed, pressurized phosphate-free detergent.

During the September 2014 sampling event, a Teflon-lined tubing inventory discrepancy led to a deficit or available tubing on site. In order to complete representative sampling during this event, tubing used to sample well MW-6 was decontaminated and reused to sample well MW-22. This tubing was decontaminated via exterior rinsing and interior pumping with de-ionized (DI) water. After the tubing was decontaminated, a rinsate sample was collected by pumping DI water through the tubing. This sample was included in the QA sampling program to determine if any residual contamination was present in the tubing.

Each sample collected at the site was stored with ice in coolers and delivered to the laboratory along with the groundwater samples. These samples were analyzed via EPA method 8081B/3660B. All sample bottles were properly sealed and labeled in the field.

3.2.1 QA Evaluation

The rinsate sample for the tubing from MW-6 indicated beta-BHC above the method detection limit (MDL) with a concentration of 0.102 μg/L. This represents the maximum amount of residual contamination that existed in the tubing when it was used to sample well MW-22. Accordingly, a correction factor of this amount has been applied to the beta-BHC result from MW-22 lowering it from 37.2 μg/L to 37.1 μg/L. Note that the residual contamination in the tubing represents only 0.28% of the beta-BHC concentration at MW-22 and that, as tabulated in Table 3-4, the September 2014 beta-BHC concentration at MW-22 is not atypical for the well when compared to previous sampling events. EIC has taken steps to maintain adequate tubing supply during future sampling events and will further evaluate the validity of the September MW-22 results following these events.

The analytical results of all of the parameters in the equipment blanks for both sampling events were below the MDL. In the March duplicate MW-19 sample, however, beta- and gamma-BHC constituents were both above the MDL, as opposed to the primary MW-19 sample in which only beta-BHC was above detection limit. The duplicate sample results were higher in beta BHC and gamma-BHC with a difference between the constituent concentrations of the two samples of 0.0097 μg/L for beta-BHC and 0.0109 μg/L to below detection limit for gamma-BHC.

In the September duplicate MW-10 sample, alpha, beta-, delta-, and gamma-BHC constituents were all above the MDL, in concurrence with the primary MW-10 sample. The duplicate sample results were slightly higher in all constituents with a difference in concentrations of the two samples of 0.03 μg/L for alpha-BHC, 0.58 μg/L for beta-BHC, 0.047 μg/L for delta-BHC and 0.011 μg/L for gamma-BHC.

3.3 DATA EVALUATION

EIC conducted an evaluation of the data compiled from field measurements and laboratory analyses to determine the groundwater potentiometric surface and the horizontal and vertical extent of the prevailing contaminant plumes for the March and September 2014 monitoring events. Data from the sampling events was compared to the data from the baseline event in March 2013 and with each of the three subsequent quarterly sampling events to determine if monitored natural attenuation is in progress at the site and if it is likely to lead to remedial end points.

3.3.1 Groundwater Potentiometric Map

Utilizing gauging data summarized in Table 3-1 and Table 3-2 from the March and September 2014 groundwater monitoring events, respectively, EIC prepared groundwater potentiometric surface maps, illustrated in Figure 3-2 and Figure 3-3. For comparative purposes, the contour interval utilized for the groundwater potentiometric surface analyses was identical to those prepared from previous sampling events documented in previous semi-annual reports. From Figures 3-2 and 3-3, in general, it is apparent that groundwater continues to flow to the southeast towards the Flint River.

In March 2014, the mean potentiometric surface elevation for the site was higher, by approximately 1.5 feet, as compared to the elevation observed in December 2013 (EIC, 2014, Figure 4-2). In September 2014, however, the mean potentiometric surface elevation dropped by approximately 2 feet compared to the elevations observed in March 2014. This indicates seasonal fluctuations in groundwater elevation.

EIC also observed that many of the potentiometric surface features discussed in previous quarterly reports have persisted at the site during the March and September 2014 events. A trough feature that extends from the area of well MW-4U towards the area of MW-6 has persisted through each monitoring event since March 2013. A second trough feature extending from the area of well MW-22 across the site towards well MW-12 is evident in September and March 2014. A relatively large area of the potentiometric surface with a relatively low gradient, has persisted at the site in the vicinity of the main office and Warehouses 1 and 2. This feature is more prominent when the potentiometric surface is relatively low, such as in December 2013 and September 2014. This area extends from north to south along the main driveway of the site. An apparent ridge feature (anomalously high water level) trending from northwest to southeast in the area of MW-8 and MW-23 has become more prominent since March 2013 and was most notable in September 2014. The southern edge of this ridge slopes downward towards wells MW-12 and MW-13 and may indicate potential impacts on the groundwater surface and flow from the bulkhead along the Flint River.

3.3.2 Horizontal Extent of COC Plumes

Table 3-4 summarizes the analytical results of organochlorine pesticides from both the recent and historical groundwater sampling events. Pesticide contamination analysis included the primary COC, benzenehexachloride (BHC), which consists of isomers alpha-BHC, beta-BHC, delta-BHC, and gamma-BHC (Lindane), as well as toxaphene, and other pesticides. Analytical values that exceeded the Type 4 risk reduction standards (RRS) are denoted in red and bold text.

Figure 3-4 through Figure 3-9 illustrate the horizontal extent of the BHC plumes comprised of alpha-BHC, beta-BHC, and delta-BHC during March and September 2014. For a consistent trend analysis, EIC utilized the same isoconcentration contour intervals as those illustrated in the VIRP submittal and in subsequent plume renderings. Additionally, the contours that illustrate delineation criterion and the RRS limits define the horizontal extent of pesticides and the extent of contaminant plumes that requires remediation.

3.3.2.1 Alpha-BHC Plume

Referring to Figures 3-4 and 3-5 that illustrate the alpha-BHC plume in March and September 2014, respectively, it is apparent that both the concentrations and horizontal extent of the alpha-BHC contaminant plume fluctuate compared to baseline conditions that were established in March 2013. The highest concentrations were observed in MW-6 (0.797 μg/L) in March and in MW-22 (1.01 μg/L) during the September sampling event. The concentrations in these wells have consistently remained high relative to the plume. During both sampling events the outer limits of the plume have continued to be defined by relatively low concentrations in the areas of MW-10, MW-22, MW-6, and MW-5A. In March 2014, the leading edge of the plume receded to the north from the area of MW-8. In September 2014, however, the leading edge advanced southwards returning to previously defined areas.

Referring to Figures 3-4 and 3-5, it is apparent that the horizontal delineation of the alpha-BHC plume above RRS is complete, except to the north beyond Spring Creek Road. In particular the inclusion of MW-23 near the Flint River clarifies southeast delineation downgradient towards the Flint River.

3.3.2.2 Beta-BHC Plume

Referring to Figures 3-6 and 3-7 that illustrate the beta-BHC plume in March and September 2014, respectively, it is apparent that both the concentrations and horizontal extent of the beta-BHC contaminant plume fluctuate compared to baseline conditions that were established in March 2013. Between December 2013 and March 2014, a major decrease in beta-BHC concentrations occurred across the site, dividing the original plume into two plumes, as shown in Figure 3-6. In September of 2014, however, the plume coalesced into one plume and returned to those conditions observed in December 2013, as shown in Figure 3-7.

A much smaller secondary plume above RRS exists in the area of MW-13 with a concentration of 4.00 μg/L in March and 3.87 μg/L in September. This plume was isolated in March by below MDL concentrations observed at wells MW-3, MW-5A, and MW-5D and has historically lacked consistent data in part due to lack of measurable groundwater at well MW-13. EIC determined that well MW-13 had silted up and took corrective action to restore the original depth of this well by removing the silt and redeveloping the well, as discussed in Section 4.2.2.2 of this report. This remedy enabled EIC to collect a groundwater sample from MW-13 in September 2014 and is expected to enable sampling at this well during future sampling events. The addition of a new well designated as MW-23 has provided resolution in the area near the Flint River, beginning with the September 2014 sampling event, and will allow further delineation of the plume during subsequent sampling events.

It is notable that the highest concentration of beta-BHC continues to be found at well MW-22, located immediately down-gradient of the Georgia Gulf Sulfur (GGS) property north of Spring Creek Road and hydraulically up-gradient of GPA.

Referring to Figures 3-6 and 3-7, it appears that the horizontal delineation of the beta-BHC plume above RRS is complete to the northeast and to the southwest, while incomplete to the northwest beyond Spring Creek Road and to the southwest near MW-13. To further define the horizontal extent of the plume in the vicinity of MW-13, EIC has proposed the construction of one or two additional monitoring wells, as noted in Section 2.

3.3.2.3 Delta-BHC Plume

Referring to Figures 3-8 and 3-9 that illustrate the Delta-BHC plume in March and September 2014, respectively, it is apparent that both the concentrations and horizontal extent of the delta-BHC contaminant plume have remained relatively stable across the site with the exception of the area of MW-22. The highest concentration of the delta-BHC plume occurred at well MW-6 (1.98 μg/L) in March 2014, and at MW-22 (22.4 μg/L) in September 2014.

It is noteworthy that the delta-BHC concentration at MW-21, that has remained below MDL since the beginning of VIRP sampling program, effective March 2013, increased to a concentration of 0.574 μg/L in September 2014 - the first time the concentration was above MDL since the initiation of the VIRP. This finding, in conjunction with a significantly higher concentration observed in the area of MW-22, suggests migration of BHC from an off-site source in the area northwest of Spring Creek Road.

Referring to Figures 3-8 and 3-9, it is apparent that the horizontal delineation of the delta-BHC plume above RRS is complete, except to the north beyond Spring Creek Road.

3.3.2.4 Inorganic Parameters

EIC has routinely collected samples for nitrate, sulfate and other inorganic. Those sampling events have provided sufficient data to define the extent of these inorganic parameters. EIC will continue to review the potential impact of the nitrate, sulfate and other inorganic parameters from data obtained during previous groundwater monitoring events. Since a sufficient number of samples have been collected for the definition of the aforementioned inorganic parameters, EIC has discontinued monitoring of inorganic parameters since the December 2013 sampling event.

3.3.3 Vertical Extent of COC Plumes

There are two designated deep wells at the site designated as MW-14 and MW-17. According to historical well construction logs, the screened intervals in monitoring wells MW-14 and MW-17 range in depth from 67 to 72 feet bgs and from 50 to 60 feet bgs, respectively. EIC has therefore utilized the aforementioned wells to monitor the vertical migration of COCs.

Referring to Table 3-4, following historical trends, the concentrations of alpha-BHC, beta-BHC, and delta-BHC at wells MW-14 and MW-17, have remained below RRS through the March and September 2014 sampling events. As noted in Section 2.0, EPD concurs with EIC that the vertical limits of the BHC plume has been defined.

3.3.4 BHC Plume Stability

Based on the findings in Sections 3.3.1 through 3.3.3, it is apparent that the BHC plume has remained relatively stable. EIC will continue to evaluate data from subsequent groundwater monitoring events to determine the impact groundwater fluctuations have on plume characteristics and stability.

SECTION

4

4. WELL INSTALLATIONS AND REPAIRS

To further delineate the BHC plume towards the southeastern site boundary adjacent to the Flint River, EIC installed monitoring well MW-23 in April 2014. During the installation, EIC logged soil boring cores and recorded well construction details, as is illustrated in Figure 4-1. In addition to the new well installation, EIC conducted repairs to monitoring wells throughout the site in April and June 2014. A complete list of well repairs conducted during these events is included in Table 4-1. As noted in the third semi-annual report (EIC, 2014b), EIC also installed a stilling well (SW-1) in March 2014. Following the installations of wells MW-23 and SW-1 and the comprehensive well repairs, in July 2014 EIC commissioned a surveyor licensed in Georgia to accurately measure and record the location and elevation of the top-of-casing (TOC) of MW-23, and the new TOC elevations of the repaired wells, as necessary. The following sub-sections describe these site activities in further detail.

4.1 MW-23 INSTALLATION

EIC installed MW-23 approximately equidistant between existing monitoring wells MW-12 and MW-17 and with a screened interval similar to that of well MW-12. This well was, however, located closer to the Flint River than either wells MW-12 or MW-17. The well was installed by a Georgia licensed drilling contractor, under EIC's supervision. Utilizing a Geo-probe, equipped with an 8.25-inch outer diameter hollow-stem auger bit and augers (illustrated in Photograph 1), EIC completed the borehole for MW-23 to a total depth of 24 feet. During the drilling process, EIC characterized and logged all soil encountered that was collected in 5-foot soil cores, as illustrated in Photograph 2. A lithological/well construction log of MW-23 is illustrated in Figure 4-1. During the soil logging process, EIC also acquired soil samples for sieve analysis and measured volatile organic compound levels at discrete depths, as illustrated in Figure 4-1.

Following the completion of the borehole for MW-23, 10/30 filter pack sand was placed in the borehole to a level approximately 23 feet below ground surface (a one-foot thickness). A 10 foot section of 0.010-slotted PVC screen assembled to a 15-foot section of blank 2-inch diameter well casing were then placed in the borehole onto the sand and centered. The well casing was then cut level to ground surface and a locking pressure seal well cap installed on the casing. The annular space around the PVC screen and casing was then filled with 10/30 filter pack sand up to approximately two feet above the screened interval. An approximately two-foot thick bentonite seal was then installed above the filter pack. A 30% solids bentonite cement mixture (grout) was then placed into the annulus space from the bentonite seal to within approximately 18 inches

below ground surface. Finally, pea gravel was installed above the grout to within approximately 6-inches below the ground surface to prevent surface water accumulation in the well vault be installed. The bentonite and grout of the well was then allowed to settle and set overnight prior to development.

On the following day, the driller installed an 8-inch diameter cast-iron well vault with bolted lid and a 2-foot by 2-foot by 6-inch thick concrete collar over the well casing and cap. Photograph 3 illustrates the completed installation of MW-23. Following the completion of the construction of MW-23, EIC placed a weather-resistant key lock on the well cap.

The driller also developed MW-23 for approximately two hours by pumping groundwater utilizing a Pegasus submersible pump. Although the pump removed two 55-gallon drums of purged groundwater, the well water remained relatively turbid. Pumping was stopped due to time constraints.

In June 2014, EIC returned to MW-23 and continued development with a pump more suitable for well development. EIC utilized a reciprocating Watera II pump, with 1/2–inch ID polyethylene tubing, a foot valve, and a 1.8-inch outer diameter surge block, as is illustrated in Photograph 4. Utilizing this pump, EIC was able to fully develop the well by pumping until fines were not apparent in the purge water. This process resulted in filling two additional 55-gallon drums with purged water.

4.2 WELL REPAIRS

To maintain monitoring wells in good condition at the site, EIC conducted repairs on selected wells during two site visits in April and June 2014, respectively. A comprehensive list of well repairs conducted at the Site is tabulated in Table 4-1. Major repairs included the installation of new well vaults/concrete collars, repairs to damaged well casings, and the removal of accumulated fines. Most repairs were minor and included replacing well vaults and outer metal casing parts. From Table 4-1, repairs that either changed the TOC elevation and/or the measured depth to bottom included wells MW-10, MW-13, MW-15, and MW-17.

4.2.1 Well Vault/Concrete Collar Replacement

Due to various types of damage to the vaults and concrete collars surrounding certain flush-to-grade well completions, rainwater was accumulating in these well vaults. To correct this issue, EIC excavated and removed the damaged pads and vaults where necessary and replaced them with new vaults/collars as illustrated in Figure 4-2, a general well vault/concrete collar schematic. To prevent the accumulation of any surface water that still may enter the new well vaults, EIC installed pea gravel below each vault that would allow water to drain. Vaults/collars were replaced at six monitoring wells, MW-5D, MW-8, MW-10, MW-12, MW-15, and MW-20.

4.2.2 Significant Well Repairs

The repairs of wells requiring the most significant repairs are detailed below.

4.2.2.1 MW-10

MW-10 is located on the northwest side of the GPA property, adjacent to Spring Creek Road, as is illustrated in Figure 3-1. The well vault/concrete collar of MW-10 had been shifted horizontally and the well casing broken off apparently by excavation equipment during soil removal activities conducted by a previous consultant. The casing was otherwise undamaged. The result was that the well vault could not be closed to protect the well casing and that the locking well cap did not completely seal the well.

EIC retained the same drilling company that installed MW-23 to remove the damaged well vault/collar and saw off the damaged portion of the well casing, lowering the TOC. EIC then installed a new well vault/collar, a locking compression well cap, and a weather resistant key lock. Following all well repair activities, the new TOC for MW-10 was determined by survey as discussed in Section 4.5.

4.2.2.2 MW-13

MW-13 is located on the southwest side of the GPA property, adjacent to the Flint River, as illustrated in Figure 3-1. Historically, MW-13 has been dry during events when the water table was relatively low due to a build-up of silt/fines in the well. The total depth of MW-13, according to the well construction log, was 21.70 feet below TOC. During a recent field measurement, however, EIC noticed that the actual depth to bottom was 16.43 feet below TOC. Therefore, approximately 5.27 feet of silt had accumulated in MW-13. Since the well column was silted up the well was found to be dry during several previous sampling events.

To remove the silt, EIC retained the same drilling company that installed MW-23 to surge MW-13 with tap water. A centrifugal pump with a stinger hose attachment was utilized to surge tap water into MW-13 to wash out the silt in the well casing. Following surging activities, the well was re-developed utilizing a submersible pump until the purge water was relatively free of fines. Following the completion of development activities, EIC measured the depth to bottom and discovered that the total well depth had increased to 22.2 feet below TOC. This will allow EIC to consistently sample MW-13 during future sampling events.

4.2.2.3 MW-15

MW-15 is located on Agrium property near the edge of the former Agrium property warehouse, as illustrated in Figure 3-1. Apparently during the demolition process of the former Agrium property warehouse, the well pad and vault for MW-15 was completely destroyed and the upper well casing deformed. Additionally, when the well casing was damaged, the well cap was lost or destroyed. Since the TOC was only approximately 0.5 inch above the ground surface, surface soil and rocks had apparently washed into the well during rain events silting the well and effectively raising the well bottom. As the well casing was deformed, a new locking cap could not be installed in the well casing to prevent further silting. The total well depth of MW-15 is 23 feet below TOC, according to the well construction log, and the total well depth to the silted bottom that EIC measured in September 2013 was 20.11 feet. Therefore, EIC determined that a total of 2.89 feet of silt had built up in MW-15.

During the April 2014 well repair activities, EIC removed the damaged section of the well casing and replaced it new casing to restore the TOC to its approximate original elevation. After the well casing was repaired, EIC installed a new well vault/collar, a locking compression well cap, and weather resistant key lock. Following the repairs, EIC surged and developed MW-15, utilizing the same process as described in Section 4.2.2.2. During the surging process it was determined that small rocks were present in the well that could not be removed utilizing the surge and pump technique. These were left in place. After surging and re-development was completed, a new total well depth of 21.60 feet below TOC was measured. Therefore, MW-15 still contained approximately 1.40 feet of small rocks/gravel. Following all well repair and re-development activities, the new TOC for MW-15 was surveyed as discussed in Section 4.5.

4.2.2.4 MW-17

MW-17 is located on the southwest side of the GPA property northeast of MW-13 and adjacent to the Flint River, as illustrated in Figure 3-1. An approximately 1-foot section of the upper well casing of MW-17 had become loose and found to be leaning to one side since March 2013 – potentially causing slightly varying gauging measurements. This was due to a damaged screw coupling approximately one foot below TOC. During the April 2014 well repair and installation activities, EIC utilized a liquid adhesive to affix the loose section rigidly vertically into place. Following all well repair activities, the new TOC for MW-17 was surveyed as discussed in Section 4.5.

4.3 STILLING WELL SW-1 INSTALLATION

To collect water level data from the Flint River, EIC installed a temporary stilling well, SW-1 at the bulkhead along the Flint River. A stilling well provides a representative water level by reducing water level interference due to wind-born waves and ship wakes and protects water level logging transducers inserted into the well from drifting with the water currents or being struck by objects carried by the water current.

The stilling well was installed on March 24, 2014. Prior to installing the stilling well, EIC and GPA inspected the dock at the south side of the terminal to find a suitable location to install the stilling well. EIC located an area on the southeastern corner of an elevated pier platform where there are a series of horizontal steel I-beams spaced approximately 5.5 feet apart, each of which have three evenly spaced approximately 2.5-inch diameter holes. According to the Terminal manager, the river water level has always extended to this location. EIC selected the easternmost series of holes in the I-beams for the installation of the stilling well adjacent to a corner pier piling that would act as a barrier to the river current and objects carried in the current. Prior to installation, EIC measured the depth to the water level and the depth to the river bottom from the pier with a decontaminated oil/water interface probe. From the gauging data, EIC determined that a 30-foot length of 2-inch diameter PVC solid well casing with a 5-foot 20-slot well screen would be sufficient to reach the bottom of the Flint River from the upper horizontal I-beam of the pier. EIC then lowered the PVC casing and screen through the holes in each I-beam into the Flint River until it was seated approximately 0.33 feet into a hard bottom – likely composed of rip rap. To ensure the stability of the well, EIC then tightly secured the pipe to the

upper I-beam with 5 stainless-steel hose clamps. Figure 4-3 depicts the as-built drawing of the stilling well and Photograph 5 identifies the well location along the bulkhead.

4.4 JULY 2014 WELL SURVEY

Following the completion of the well installations and well repair and development activities, EIC retained Donaldson Garrett and Associates (DGA), a Georgia licensed surveyor, to survey the new TOC elevations of repaired wells MW-10, MW-15, and MW-17, as well as the TOC elevation and location of wells MW-23 and SW-1. DGA conducted the survey in July 2014 utilizing conventional survey techniques. The TOC and ground surface elevations were measured to within 1/100th of a foot. The July 2014 DGA survey report, in Attachment E, documents the location and elevation of each well TOC surveyed.

SECTION

5

5. AQUIFER CHARACTERIZATION

To determine site-specific aquifer characteristics required for groundwater modeling, EIC conducted slug tests in each of three wells at the site, MW-6, MW-17, and MW-21, in March 2014. These wells were selected since the well screens of these wells were known to be fully submerged. After the slug tests were conducted, the data was analyzed using Aqtesolv software with the Kansas Geological Survey (KGS) curve matching model (Duffield, 2007). The following sub-sections describe the process by which the slug tests were conducted and the subsequent method of data collection and analysis.

5.1 Slug Test Format

EIC conducted slug testing in accordance with EPA Standard Operating Procedures (SOP) 2046 (EPA, 1994). EIC installed a water level transducer data logger in each well 24 hours prior to the initiation of the slug tests. To perform the slug test, EIC utilized In-Situ MiniTROLL™ transducers, which were calibrated to atmospheric conditions prior to use. The probes were placed approximately two feet above the bottom of each well and were secured at the ground surface utilizing plastic stakes, as illustrated in Photograph 6. Once each transducer was installed, EIC recorded the depth of water above each probe as a reference point.

Following the proper placement of each transducer and after 24 hours, EIC lowered a decontaminated PVC slug, illustrated in Photograph 7, into each well just above the groundwater surface. The slug was attached via a rope to a plastic stake at ground surface with sufficient slack to ensure that the slug would not directly contact the transducer probe when lowered. Prior to inserting each PVC slug, the transducers were programmed to record the water level in each well at one-second intervals. After the preceding tasks were completed, the slug was allowed to drop by gravity - from just above the water surface - into the water column. This process was performed as instantaneously as possible to begin the slug-in test.

EIC monitored the water level of each test well over time utilizing the transducer until the water level in each well returned to the approximate starting level. Each time this occurred, EIC then removed each PVC slug to begin the slug-out test. The PVC slug was removed by hand as instantaneously as possible and removed from the well casing. EIC then continued to monitor each well until the water levels in each well returned to their approximate starting level. EIC repeated this process for each well for a total of three times over a total period of 72 hours. The

data was then downloaded in the field onto a laptop computer to be later compiled and analyzed. EIC then uploaded the data onto EIC's office server for data analysis.

5.2 Slug Test Analysis

Utilizing Aqtesolv software, EIC analyzed the water level data from each transducer for each slug-in test with the KGS curve matching model. The curve matching model utilizes known well construction conditions along with the collected field data to estimate hydraulic conductivity. EIC analyzed each data set for each of the three separate events at each well and then averaged the hydraulic conductivity values to obtain a site-wide average hydraulic conductivity. Figures 5-1 through 5-3, 5-4 through 5-6, and 5-7 through 5-9 illustrate the results of each slug test analysis for wells MW-6, MW-17, and MW-21, respectively. The individual averages for each model are tabulated in Table 5-1.

Figures 5-1 through 5-9 have two axes, the y-axes denotes the normalized head and the x-axes denotes time in a logarithmic scale. The normalized head is the ratio of water column height to the initial displacement water column height within the well. The initial displacement height was obtained from the maximum observed height of water column after introducing the PVC slug. The exponentially decreasing curves represented in Figures 5-4 through 5-9, indicate that MW-17 and MW-21, have adequate hydraulic connections to the outlying aquifer. The slowly decreasing curves illustrated in Figures 5-1 through 5-3, typically represent a potential for confining units.

The hydraulic conductivity at wells MW-17 and MW-21 were relatively similar and are consistent with the predominant water-bearing sand layer illustrated in the cross-section figures (Figures 9-2, 9-3 and 9-4) presented in the site conceptual model (SCM) section of this report (Section 9). However, it is notable that the hydraulic conductivity at MW-6 was lower by two orders of magnitude as compared to that at wells MW-17 and MW-21. This indicates that there may be confining layers near the screened interval of MW-6. It is important to note, however, that no confining units were reported on the boring log for MW-6 – as indicated in Figure 9-2 of this report.

The resultant average hydraulic conductivity for the site was computed to be $2.345E^{-02}$ cm/second and is tabulated in Table 5-1. The data from the slug test analysis will be utilized in groundwater transport modelling and discussed in further detail in an updated SCM report to be presented in in a future semi-annual report.

SECTION

6

6. LONG-TERM RIVER LEVEL ANALYSIS

The Flint River is the major surface water body adjacent to the site. Considering that the subsurface at the site is comprised of a network of storm water conveyance substructures, a sheet pile bulkhead wall, and historic backfill, EIC has initiated an evaluation of the potential impact of the Flint River water fluctuations on groundwater levels at the site. This evaluation will be useful in determining the hydrodynamics of groundwater flow at the site.

As discussed in the Third Semi-annual Report, EIC conducted an initial attempt to collect gauging data for this purpose in April 2014. However, due to malfunctioning transducer equipment, EIC aborted this study. In early September of 2014, EIC reinitiated the study utilizing LevelTROLL™ down-hole pressure transducers with data-logging capabilities. These were installed at wells MW-12, MW-13, MW-23, and the stilling well (SW-1), illustrated in Figure 3-1. This data was retrieved from the transducers in late September 2014 and is currently being evaluated. The analysis and findings of this study will be presented in an updated SCM in a future semi-annual report.

SECTION

7

7. IDW CHARACTERIZATION

In July 2014, EIC conducted investigative derived waste (IDW) characterization in order to properly identify drummed waste on the site for disposal. IDW on the site is stored in sealed and labeled steel 55-gallon drums and consists of liquid waste derived from of well development and sampling as well as solid waste which consists of soil and concrete derived from well construction and repair. In total, as of September 2014, there were 14 drums on site: 6 solid IDW and 7 liquid IDW drums, as pictured in Photographs 8 and 9. Additionally, during the September 2014 groundwater monitoring event, one more liquid IDW drum was placed by EIC at the site for purge water. Photographs 8 and 9 show the drums by the RSW and by a warehouse near the Flint River, respectively, in July 2014. The drums have all since been moved to the location adjacent to the warehouse near the Flint River.

7.1 Solid Waste Characterization

7.1.1 Sampling Protocol

The drum sampling program was conducted in accordance with the current U.S. Environmental Protection Agency (EPA) soil sampling procedure "Field Branches Quality System and Technical Procedures" (FBQSTP) per the Georgia Environmental Protection Division (EPD) regulations. Each solid waste sample was collected following the technique established in the standard operating procedure (SOP) SESDPROC-300-R2 under the FBQSTP (EPA, 2011).

Samples were collected utilizing a decontaminated sand auger. The auger has a 1.25-inch inner diameter (ID) and is 36 inches long with replaceable acetate liners. The probe was utilized to collect a continuous soil core from the entire soil column in each drum. The probe was advanced manually primarily by direct downward force with rotation. If refusal was encountered, while advancing the probe, a sliding hammer or leverage hammer was used to advance the probe. Each solid waste sample was emptied into a decontaminated stainless steel bowl and homogenized.

The samples were homogenized in accordance with EPD's guidance document SESDPROC-300-R2 (EPA, 2011). Accordingly, each solid waste sample was collected from one or more borings for each drum and placed into a stainless steel bowl. Each solid waste sample was then thoroughly mixed, via the quartering method, and the homogenized sample was then placed into a 4-ounce sample jar for SW-846 1311/8081B analysis. All excess solid waste sample material was returned to the respective sampled drum.

All sample jars were properly sealed and labeled in the field. Each sample was then stored with ice in an insulated cooler container provided by the laboratory. A completed chain of custody form accompanied all samples. EIC submitted all solid waste samples to Xenco Laboratories, a Georgia Department of Natural Resources certified laboratory located in Norcross, Georgia, for analysis.

7.1.2 Sample Analysis

The laboratory prepared a composite sample of a representative portion of the samples from each individual sample. The composite sample was then analyzed utilizing the toxicity characteristic leaching procedure (TCLP) protocol (CFR, 2013).

The laboratory retained individual samples from each solid waste drum for individual analysis in the event that the results of the composited samples indicated concentrations in excess of the thresholds for hazardous waste classification. The laboratory report is included as Attachment F. The results from the laboratory analysis are summarized in Table 7-1 and indicate that all drums contain non-hazardous waste and can thus be appropriately disposed of.

7.2 Liquid Waste Characterization

The primary constituents of the drums containing liquid IDW on site are purge water from the development of wells MW-13, MW-15, and MW-23 and purge water from sampling events. As such, characterization of this waste was based upon contamination levels determined from previous groundwater sampling events for existing wells and contamination levels at the newly installed well MW-23. Therefore, in July 2014, MW-23 was sampled via standard groundwater sampling methods, as described in Section 3.1 of this report. The resulting lab report of this analysis is included in Attachment F. Table 7-2 summarizes the maximum contaminate levels from purge water observed at the site and indicates that the containerized liquid IDW on site is non-hazardous.

7.3 Disposal of IDW

Based on the sample analysis, both the soil and liquid wastes are characterized as non-hazardous wastes. In order to maximize disposal efficiency and save on subcontractor mobilization costs, EIC has postponed the disposal of on-site IDW until such time as quantities of IDW are in sufficient quantities to allow for cost-effective and efficient disposal. EIC will continue to monitor and maintain the condition of IDW drums until this time.

SECTION

8

8. AOC-1 HEALTH AND SAFETY BRIEFING

On June 9th and 10th of 2014, EIC conducted a BHC safety awareness program for all onsite GPA employees that manage the daily functions at the Bainbridge Terminal. The awareness program covered the following topics relative to BHC contamination at the site:

- Site Orientation
- Current Environmental Hazards
- Characterized Hazard Areas
- Site Remedy and Engineering Controls
- Emergency Contacts
- Exposure routes, limits, symptoms, first aid, PPE, and related topics

Any new employees at the terminal are also required to complete a BHC safety awareness program in accordance with GPA's safety program.

SECTION

9

9. SITE CONCEPTUAL MODEL

As discussed in Section 2 of the VIRP, the SCM will be progressively updated utilizing newly available data on hydrogeology, release sources, extent of COC plumes, probable fate and transport mechanisms, potential exposure pathways, potential receptors, and COC plumes mobility and stability. Based on additional site data, compiled since the initiation of the VIRP, EIC is in the process of updating the initial Site Conceptual Model (SCM).

Subsequently, EIC will refine and reevaluate the SCM as more information about the site is obtained. This includes information obtained from the ongoing long-term groundwater monitoring program as well as specific studies such as long-term river level monitoring, aquifer testing, and groundwater modeling.

Utilizing historical well construction logs and other site data, EIC has prepared three hydrogeological cross-sections depicting the subsurface characteristics of the site. The horizontal traces of each cross section at the site is depicted in plan view in Figure 9-1. Cross-sections A-A', B-B', and C-C' are illustrated in Figures 9-2, 9-3, and 9-4, respectively. Each cross-section includes September 2014 groundwater elevation and beta-BHC concentrations at each well. The cross-sections were prepared using stratigraphy modeling software to interpolate lithological layers recorded during well boring between wells. This provides a spatial reference for static site conditions and these cross sections will be further analyzed and utilized in an updated SCM report.

SECTION

10

10. SUMMARY

During the eight-month period from March 2014 through October 2014, EIC has continued to successfully conduct site activities to meet the primary objectives set forth in the VIRP. The following is a summary of various tasks conducted during this eight-month period.

In Section 2.0 EIC has addressed EPD's July 2, 2014 comments (EPD, 2014) based on EIC's current knowledge of site conditions and from additional material. The key aspect of EIC's response entails the acknowledgement of EPD's concurrence that AOC-3 delineation is complete, vertical delineation of COCs is complete, and the presence of BHC upgradient of GPA's site. EPD has, however, required further horizontal delineation in the AOC-2 and well MW-13 areas. EIC has also provided an updated table listing confirmatory samples collected by previous contractors in the North Area.

Having completed quarterly groundwater monitoring and trend analysis during the first full year of the monitoring program, EIC has shifted to a semi-annual groundwater monitoring schedule. Therefore, groundwater monitoring was conducted in March and September of 2014. EIC has observed that seasonal variations in precipitation apparently have a significant effect on the potentiometric surface. Additionally, it was noted that the highest concentrations of BHC at the site continues to be located within the northeastern up-gradient portion of the site across the Spring Creek Road right-of-way from the GGS property.

Since well MW-23 was added to the monitoring well network, near the southern extent of the site, subsequent groundwater monitoring at this well has further clarified that the Beta-BHC plume is not fully delineated towards the down-gradient southwestern portion of the site. EIC is currently planning to place new monitoring wells in this down-gradient area to fully delineate the Beta-BHC plume. The alpha and beta isomer BHC plumes have been fully delineated, except within the northeastern up-gradient portion of the site across Spring Creek Road from the GGS property.

To maintain a representative groundwater monitoring well network, EIC conducted maintenance and repairs on the currently installed monitoring wells at the site. Each well was assessed for damages and each were addressed appropriately. All monitoring wells at the site now have adequate well vaults, lids, and accompanying hardware to provide protection against future damage. In addition, locking compression caps and key locks were installed at each well. To collect water level data from the Flint River, EIC installed a temporary stilling well, SW-1 at the bulkhead along the Flint River. After wells MW-23 and SW-1 were installed and well repairs were made, EIC utilized a

Georgia licensed surveyor, to survey the new TOC elevations of the repaired wells and the TOC elevation and locations of wells MW-23 and SW-1.

To develop a better understanding of aquifer conditions at the site, EIC conducted an aquifer testing program involving slug tests in select monitoring wells at the site. From the results of the slug tests, EIC concluded that the average hydraulic conductivity at the site is $2.345E^{-02}$ cps, which is consistent with the aquifer consisting primarily of sand. This observation relays that groundwater flow is unhindered at the site, except for some limited confining layers, as noted in Section 5.2, for the slug tests conducted at MW-6. The results of this aquifer testing program will be presented in an updated SCM.

In addition to evaluating the hydraulic conductivity for contaminant transport at the site, EIC also has initiated a long-term river level study to evaluate any effect the Flint River and the nearby bulkhead wall have on groundwater flow at the site. For this study, EIC utilized a water level transducer in the stilling well and in each of three inland wells. From newly acquired gauging data at MW-23 (one of the inland wells utilized), which is the closest monitoring well to the river, it is clearly apparent that there is a correlation between river level fluctuations and groundwater fluctuations at the site. EIC is currently evaluating the data obtained from the river level study and the effects of both the river and bulkhead wall on groundwater levels and flow. The results of this evaluation will be presented in an updated SCM.

By conducting the aforementioned site activities, EIC has generated both solid and liquid IDW. The IDW is currently being stored at the site in labeled steel 55-gallon drums. EIC has conducted a waste characterization analysis of the drummed IDW and found that all IDW generated thus far is non-hazardous. Pending future site activities which may generate both solid and liquid IDW at the site, EIC will properly dispose of the accumulated IDW in an efficient and cost-effective manner as possible when appropriate.

To maintain health and safety at the site relative to the prevailing BHC contamination, EIC conducted a health and safety awareness program for all onsite GPA employees at the Bainbridge terminal. The awareness program included site background information, site engineering control measures, and proper health and safety requirements for visitors performing work in the areas of concern.

In conclusion, EIC has successfully completed several tasks since March 2014 consistent with the VIRP objectives. EIC will continue to implement the remainder of the tasks outlined in the VIRP.

SECTION

11

11. SUMMARY OF HOURS

A monthly summary of hours invoiced for the aforementioned tasks during the period from April 2014 through October 2014 is included as Attachment G.

SECTION

12

12. REFERENCES

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FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

TABLES

Table 2-1: GPA, Bainbridge Terminal, Bainbridge GA,
Soil Pesticide Data Summary Concerning RRS Constituents - Northern Area Excavation Confirmatory Sample Data

Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	Flags	4,4'DDE	Flags	4,4'-DDT	Flags	alpha-BHC	Flags	beta-BHC	Flags	delta-BHC	Flags	gamma-BHC (Lindane)	Flags
Site-Specific RRS Values (µg/kg)			***11,000***		***7,700***		***11,000***		***660***		***3,100***		***100***		***12,000***	
Excavation Area 1																
NA-E1-EW	0-2	21-Dec-2009	**16**		**49.5**		**82.6**		**3.39**	**J**	**11.3**		**1.14**	**J**	**1.23**	**J**
NA-E1-SW	0-2	21-Dec-2009	**2.6**	**J**	**1.69**	**J**	**14.4**		**6.32**		**11.7**		**1.19**	**J**	**1.45**	**J**
NA-E1-NW	0-2	21-Dec-2009	**1040**		**598**		**2250**		**101**	**J**	**1700**		**99.5**	**J**	**44.7**	**J**
NA-E1-F	2	21-Dec-2009	4.87	U	4.87	U	**0.662**	**J**	2.44	U	4.87	U	2.44	U	2.44	U
Excavation Area 2																
NA-E2-B-F	2	20-Jan-2009	**46.4**		**66.1**		**301**		**78.7**		**282**		**9.74**	**J**	**15**	**J**
NA-E2-EW	0-2	21-Dec-2009	**3430**		**2260**		**15000**		469	U	**1300**		469	U	469	U
NA-E2-SW	0-2	21-Dec-2009	**169**		**194**		**527**		47.6	U	**383**		47.6	U	47.6	U
NA-E2-SW-DUP	0-2	21-Dec-2009	**134**		**117**		**294**		48.7	U	**412**		**11.7**	**J**	48.7	U
NA-E2-F	2	21-Dec-2009	4.82	U	**1.3**	**J**	**4.64**	**J**	**0.513**	**J**	**25.6**		2.41	U	2.41	U
Excavation Area 3																
NA-E3-EW	0-2	21-Dec-2009	**24.3**		**48.6**		**90.7**		4.61	U	**17.1**		4.61	U	4.61	U
NA-E3-WW	0-2	21-Dec-2009	**464**		**838**		**3250**		219	U	**283**	**J**	219	U	219	U
NA-E3-SW	0-2	21-Dec-2009	**3.22**	**J**	**7.05**	**J**	**16.9**		4.41	U	**9.88**		4.41	U	4.41	U
NA-E3-F	2	21-Dec-2009	**3.86**	**J**	**3.89**	**J**	**4.6**	**J**	2.34	U	**3.61**	**J**	2.34	U	2.34	U
Excavation Area 4																
NA-E4-B-F	2	20-Jan-2010	**99.1**		**10.8**	**J**	**8.45**	**J**	**28.2**		**135**		**16**		11.2	U
NA-E4-EW	0-2	21-Dec-2009	**3150**		**1300**	**J**	**18400**		**212**	**J**	**4400**		**238**	**J**	1100	U
NA-E4-WW	0-2	21-Dec-2009	**113**		**177**		**928**		**7.82**		**80.8**		42.7	U	42.7	U
NA-E4-SW	0-2	21-Dec-2009	**28.9**	**J**	**26.9**	**J**	**70.5**	**J**	**43.7**	**J**	**356**		**19.2**	**J**	45	U
NA-E4-F	2	21-Dec-2009	**123**		**19.3**	**J**	**87.9**		**29.2**		**143**		**19.8**		10.9	U
Excavation Area 5																
NA-E5-EW	0-2	22-Dec-2009	**322**		**156**	**J**	**1210**		**277**		**970**		**155**		**53.5**	**J**
NA-E5-SW	0-2	22-Dec-2009	**312**		**146**	**J**	**1580**		**147**		**708**		**103**	**J**	**58.1**	**J**
NA-E5-WW	0-2	22-Dec-2009	**1730**	**J**	**460**	**J**	**5860**		**876**	**J**	**9550**		**522**	**J**	**161**	**J**
NA-E5-F	2	22-Dec-2009	**6.64**		**2.4**	**J**	**26.5**		**18.3**		**36.1**		**5.69**		**4.11**	
Excavation Area 6																
NA-E6-B-F	2	20-Jan-2010	**383**		**36.1**	**J**	**25.9**	**J**	**338**		**608**		**98.9**		**56.3**	
NA-E6-C-F	2	20-Jan-2010	**445**	**J**	**171**	**J**	**2620**		**445**		**2510**		**318**		**240**	
NA-E6-C-F(2.5-3.0)	2.5-3	04-Mar-2010	46.6	U	46.6	U	46.6	U	**11.3**	**J**	46.6	U	23.3	U	23.3	U
NA-E6-C-F(3.0-3.5)	3-3.5	04-Mar-2010	45.9	U	45.9	U	45.9	U	**5.89**	**J**	45.9	U	22.9	U	22.9	U
NA-E6-D-F	2	20-Jan-2010	**1390**		**149**	**J**	**211**	**J**	**316**		**1240**		**360**		**70.8**	**J**
NA-E6-D-F(2.5-3.0)	2.5-3	04-Mar-2010	46.4	U	46.4	U	46.4	U	23.2	U	46.4	U	23.2	U	23.2	U
NA-E6-D-F(3.0-3.5)	3-3.5	04-Mar-2010	45.2	U	45.2	U	45.2	U	22.6	U	45.2	U	22.6	U	22.6	U
NA-E6-D-SW	0-2	20-Jan-2010	**297**	**J**	**137**	**J**	**765**	**J**	**185**	**J**	**3770**		**1110**		444	U
NA-E6-D-SWF(2.5-3.0)	2.5-3	08-Mar-2010	224	U	**130**	**J**	**648**		**82.6**	**J**	**867**		**48.1**	**J**	**113**	
NA-E6-D-SWF(3.0-3.5)	3-3.5	08-Mar-2010	45.7	U	**6.3**	**J**	**21.8**	**J**	**11.8**	**J**	**263**		22.8	U	**20.2**	**J**
NA-E6-D-SW5(0-2)	0-2	08-Mar-2010	440	U	**417**	**J**	**2700**		**247**		**2520**		**243**		**144**	**J**
NA-E6-D-SW10(0-2)	0-2	08-Mar-2010	224	U	**213**	**J**	**1110**		**26.2**	**J**	**451**		**39.6**	**J**	**33.6**	**J**
NA-E6-D-SW15(0-2)	0-2	08-Mar-2010	50.7	U	114		**435**		**18.9**	**J**	**293**		**32.6**		**39.8**	
NA-E6-D-DUP		08-Mar-2010	113	U	113		**626**		**70.7**		**654**		**50.1**	**J**	**99.1**	
NA-E6-E-EW	0-2	20-Jan-2010	**299**		**180**	**J**	**789**		**34.9**	**J**	**823**		**36.1**	**J**	**59.7**	**J**
NA-E6-E-F	2	20-Jan-2010	**343**		**58.8**	**J**	**266**		**193**		**871**		**97.9**	**J**	**26.6**	**J**
NA-E6-E-SW	0-2	20-Jan-2010	**213**		**66.4**	**J**	**122**		**22.4**	**J**	**697**		**64.2**		**18.8**	**J**
NA-E6-F-F	2	20-Jan-2010	**184**		**28.2**	**J**	**49**	**J**	**122**		**526**		**77**		**51.4**	**J**
NA-E6-F-EW	0-2	20-Jan-2010	**8740**	**J**	19000	U	**14400**	**J**	**4790**	**J**	**68200**		**6580**	**J**	9510	U
NA-E6-F-EWF(2.5-3.0)	2.5-3	08-Mar-2010	1810	U	**292**	**J**	**4290**		**186**	**J**	**9220**		**215**	**J**	906	U
NA-E6-F-EWF(2.5-3.0) MS	2.5-3	08-Mar-2010	1790	U	1790	U	**1970**		897	U	**3110**		897	U	897	U
NA-E6-F-EWF(2.5-3.0) MSD	2.5-3	08-Mar-2010	1790	U	**311**	**J**	**3250**		**296**	**J**	**6430**		**303**	**J**	894	U
NA-E6-F-EWF(3.0-3.5)	3-3.5	08-Mar-2010	**61.7**	**J**	230	U	**329**		**176**		**1070**		**376**		**34.9**	**J**
NA-E6-F-EW5(0-2)	0-2	05-Mar-2010	46.5	U	46.5	U	46.5	U	23.3	U	46.5	U	23.3	U	23.3	U
NA-E6-F-EW5(3.5-4.0)	3.5-4.0	21-Apr-2010	44.8	U	44.8	U	**8.82**	**J**	**14.7**	**J**	**40.7**	**J**	**7.81**	**J**	22.4	U
NA-E6-F-EW5(4.0-4.5)	4.0-4.5	21-Apr-2010	46.2	U	46.2	U	**12.9**	**J**	**17.6**	**J**	**36.4**	**J**	23.1	U	23.1	U
NA-E6-F-EW5(4.5-5.0)	4.5-5.0	21-Apr-2010	48.7	U	48.7	U	48.7	U	24.4	U	**48.7**	**U**	24.4	U	24.4	U
NA-E6-F-EW10(0-2)	0-2	05-Mar-2010	45.3	U	45.3	U	45.3	U	22.7	U	45.3	U	22.7	U	22.7	U
NA-E6-F-EW10(3.5-4.0)	3.5-4.0	21-Apr-2010	45.5	U	45.5	U	45.5	U	22.8	U	**21.7**	**J**	22.8	U	22.8	U
NA-E6-F-EW10(4.0-4.5)	4.0-4.5	21-Apr-2010	49.8	U	49.8	U	49.8	U	24.9	U	**15.3**	**J**	24.9	U	24.9	U
NA-E6-F-EW10(4.5-5.0)	4.5-5.0	21-Apr-2010	49	U	49	U	49	U	24.5	U	**12.5**	**J**	24.5	U	24.5	U
NA-E6-F-EW15(0-2)	0-2	05-Mar-2010	46.3	U	46.3	U	46.3	U	23.2	U	46.3	U	23.2	U	23.2	U
NA-E6-F-EW15(3.5-4.0)	3.5-4.0	21-Apr-2010	45.2	U	45.2	U	**9.66**	**J**	**5.17**	**J**	**66.7**		**17.2**	**J**	22.6	U
NA-E6-F-EW15(4.0-4.5)	4.0-4.5	21-Apr-2010	46.1	U	46.1	U	**11.4**	**J**	23	U	**46.8**		23	U	23	U
NA-E6-F-EW15(4.5-5.0)	4.5-5.0	21-Apr-2010	47.7	U	47.7	U	47.7	U	23.8	U	**20.7**	**J**	23.8	U	23.8	U
NA-E6-F-EW20(2.5-3.0)	2.5-3.0	21-Apr-2010	45.5	U	45.5	U	45.5	U	22.8	U	**89**		22.8	U	22.8	U

Table 2-1: GPA, Bainbridge Terminal, Bainbridge GA,
Soil Pesticide Data Summary Concerning RRS Constituents - Northern Area Excavation Confirmatory Sample Data

Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	Flags	4,4'DDE	Flags	4,4'-DDT	Flags	alpha-BHC	Flags	beta-BHC	Flags	delta-BHC	Flags	gamma-BHC (Lindane)	Flags
Site-Specific RRS Values (µg/kg)			***11,000***		***7,700***		***11,000***		***660***		***3,100***		***100***		***12,000***	
NA-E6-F-EW20(3.0-3.5)	3.0-3.5	21-Apr-2010	46.3	U	46.3	U	46.3	U	23.2	U	45.9	J	23.2	U	23.2	U
NA-E6-F-EW25(2.5-3.0)	2.5-3.0	21-Apr-2010	63.1		12.4	J	44.6	U	21.4	J	27	J	22.5		22.3	U
NA-E6-F-EW25(3.0-3.5)	3.0-3.5	21-Apr-2010	45.5	U	45.5	U	45.5	U	22.7	U	22	J	22.7	U	22.7	U
NA-E6-F-EW30(2.5-3.0)	2.5-3.0	21-Apr-2010	65.8		36.1	J	86.6		130		632		35.8		21.9	J
NA-E6-F-EW30(3.0-3.5)	3.0-3.5	21-Apr-2010	45.7	U	45.7	U	45.7	U	22.8	U	5.97	J	22.8	U	22.8	U
NA-E6-F-EWSOUTH(2.0-2.5)	2.0-2.5	30-Apr-2010	45.6	U	45.6	U	45.6	U	22.8	U	45.6	U	22.8	U	22.8	U
NA-E6-EWN-F(2.0-2.5)	2.0-2.5	30-Apr-2010	46.4	U	46.4	U	46.4	U	23.2	U	46.4	U	23.2	U	23.2	U
NA-E6-F-NW	0-2	20-Jan-2010	369		360		948		47.3	U	288		47.3	U	47.3	U
NA-E6-F	2	22-Dec-2009	1850		105		236		429		1500		347		28.9	
NA-E6-EW	0-2	22-Dec-2009	530		205	J	2090		302		2020		445		103	J
NA-E6-NW	0-2	22-Dec-2009	1590		537	J	5120		400	J	3780		371	J	148	J
NA-E6-SW	0-2	22-Dec-2009	456		123	J	1050		2080		2350		438		297	
NA-E6-WW	0-2	22-Dec-2009	716		296	J	3830		342		1590		294		142	J
Excavation Area 7																
NA-E7-NW	0-2	22-Dec-2009	2560	J	592	J	7170		1010	J	23200		1690	J	2170	U
NA-E7-EW	0-2	22-Dec-2009	185		309		990		15.8	J	297		25.6	J	19.8	J
NA-E7-EW	0-2	29-Dec-2009	218		363		1320		13.2	J	269		14.3	J	9.14	J
NA-E7-WW	0-2	22-Dec-2009	45.5		35.2	J	334		31		117		18.1	J	16.7	J
NA-E7-WW	0-2	29-Dec-2009	61.2		56.5		295		57.6		308		32.3		21.9	J
NA-E7-SW	0-2	22-Dec-2009	277		195	J	1060		263		1150		81.1	J	48.7	J
NA-E7-SW	0-2	29-Dec-2009	16.9		35.4		123		3.88	J	97.5		5.59		6.21	
NA-E7-F	2	22-Dec-2009	4.3	U	2.76	J	24.6		12.6		28.3		0.709	J	0.813	J
NA-E7-F	2	29-Dec-2009	253		101	J	683		109	J	1220		98.6	J	37.9	J
Excavation Area 8																
NA-E8-B-F	2	20-Jan-2010	172	J	52.1	J	903		103	J	914		75.2	J	114	U
NA-E8-EW	0-2	22-Dec-2009	250		118		1040		36.8	J	472		83.2		30.7	J
NA-E8-SW	0-2	22-Dec-2009	4.73	U	0.904	J	4.44	J	2.37	U	6.56		2.37	U	2.37	U
NA-E8-WW	0-2	22-Dec-2009	3640		992	J	18900		1880		13900		1260		698	J
NA-E8-F	2	22-Dec-2009	9.54	U	9.54	U	9.54	U	0.895	U	54.5		1.14	J	4.77	U
Excavation Area 9																
NA-E9-B-F	2	20-Jan-2010	867	J	256	J	3610		256	J	6870		873		580	U
NA-E9-B-F(2.5-3.0)	2.5-3	04-Mar-2010	48.6	U	48.6	U	48.6	U	24.3	U	111		24.3	U	24.3	U
NA-E9-B-F(3.0-3.5)	3-3.5	04-Mar-2010	45.7	U	6.05	J	17.4	J	107		140		22.9	U	12.6	J
NA-E9-EW	0-2	22-Dec-2009	552		194	J	2680		99	J	2420		137	J	63.5	J
NA-E9-SW	0-2	22-Dec-2009	4.56	U	5.01		13		2.28	U	2.1	J	2.28	U	2.28	U
NA-E9-WW	0-2	22-Dec-2009	1220	J	361	J	3540		254	J	11300		265	J	1140	U
NA-E9-F	2	22-Dec-2009	12.7	J	45.8	U	24.8	J	22.9	U	195		6.19	J	22.9	U
Excavation Area 10																
NA-E10-A-NW	0-2	30-Dec-2009	908	U	2320		908	U	4540	U	1470		4540	U	4540	U
NA-E10-A-SW	0-2	30-Dec-2009	1420		401	J	8970		4280		9460		2480		822	
NA-E10-A-EW	0-2	30-Dec-2009	22.9	U	12.8	J	22.9	U	21.6		65.3		11	J	11.8	
NA-E10-A-WW	0-2	30-Dec-2009	454	U	1200		454	U	43.5	J	305	J	85.9	J	227	U
NA-E10-A-F	2	30-Dec-2009	250	U	152	J	1250		1390		2540		1130		569	
NA-E10-B1-NW	0-2	30-Dec-2009	22.5	U	22.5	U	22.5	U	29		87.5		37.4		5.88	J
NA-E10-B1-WW	0-2	30-Dec-2009	23900	U	23900	U	23900	U	126000		17400	J	120000	U	2520	J
NA-E10-B1-F	2	30-Dec-2009	391	J	72.5	J	1730		3870		2500		561		459	
NA-E10-B2-WW	0-2	30-Dec-2009	48	U	8.3	J	40.2	J	46.6		247		24	U	11.5	J
NA-E10-B2-SW	0-2	30-Dec-2009	327	U	327	U	85.7	J	2050		1810		121	J	332	
NA-E10-B2-F	2	30-Dec-2009	639		263	U	1190		1930		1890		483		329	
NA-E10-C1-NW	0-2	30-Dec-2009	4.6	U	4.6	U	4.6	U	11.9		49.9		22.9		3.34	
NA-E10-C1-EW	0-2	30-Dec-2009	1680		237	J	421		173		1890		523		58.8	J
NA-E10-C1-F	2	30-Dec-2009	15		2.71	J	3.01	J	2.06	J	15.2		4.58		0.795	J
NA-E10-C2-SW	0-2	30-Dec-2009	171		29.4	J	77.5		24.9	J	346		16.8	J	7.63	J
NA-E10-C2-F	2	30-Dec-2009	334		35.7	J	78.6		117		241		59.8		12.5	J
NA-E10-E-NW	0-2	17-Dec-2009	525		56.2	J	72.4	J	99.9	J	1040		187		42.5	J
NA-E10-E-WW	0-2	17-Dec-2009	51.2	J	464	U	252		87.3	J	1980		107.0	J	232.0	U
NA-E10-E-EW	0-2	17-Dec-2009	4.48	U	1.46	J	2.14	J	1.06	J	1.91	J	0.528	J	0.539	J
NA-EI0-E-SW	0-2	17-Dec-2009	4.6	U	1.16	J	5.44		0.80	J	22.60		0.54	J	2.30	U
NA-E10-E-F	2	17-Dec-2009	509	J	4650	U	1870	J	642	J	25800		2330	U	2330	U
NA-E10-F-SW	0-2	17-Dec-2009	72.7	J	26.8	J	181	J	178		948		111	U	45.5	J
NA-E10-F-WW	0-2	17-Dec-2009	88.7		237	U	227	J	1440		1440		168		228	
NA-E10-F-NW	0-2	17-Dec-2009	2260	U	2260	U	2260	U	612	J	13400		306	J	1130	U
NA-E10-F-D	2	17-Dec-2009	19.6	J	12.8	J	89.3		146		577		38.4	J	24.9	J
NA-E10-F-F	2	17-Dec-2009	32.4		229	U	127	J	307		758		61.2	J	51.9	J

Table 2-1: GPA, Bainbridge Terminal, Bainbridge GA,
Soil Pesticide Data Summary Concerning RRS Constituents - Northern Area Excavation Confirmatory Sample Data

Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	Flags	4,4'DDE	Flags	4,4'-DDT	Flags	alpha-BHC	Flags	beta-BHC	Flags	delta-BHC	Flags	gamma-BHC (Lindane)	Flags
Site-Specific RRS Values (µg/kg)			***11,000***		***7,700***		***11,000***		***660***		***3,100***		***100***		***12,000***	
NA-E10-G-F	2	20-Jan-2010	444	U	444	U	444	U	546		1110		379		145	J
NA-E10-G-F(2.5-3.0)	2.5-3	04-Mar-2010	94.6	U	94.6	U	94.6	U	9.64	J	79	J	13.4	J	18	J
NA-E10-G-F(3.0-3.5)	3-3.5	04-Mar-2010	45.2	U	45.2	U	45.2	U	22.6	U	45.2	U	22.6	U	22.6	U
NA-E10-H-F	2	20-Jan-2010	492	U	492	U	122	J	730		1360		345		148	J
NA-E10-H-F(2.5-3.0)	2.5-3	04-Mar-2010	23800	U	23800	U	23800	U	126000		36100		4570	J	6520	J
NA-E10-H-F(3.0-3.5)	3-3.5	04-Mar-2010	4120	J	23400	U	23400	U	119000		27100		8840	J	10800	J
NA-E10-H-F(3.5-4.0)	3.5-4.0	19-Apr-2010	92.1	U	92.1	U	92.1	U	9.78	J	92.1	U	46	U	46	U
NA-E10-H-F(4.0-4.5)	4.0-4.5	19-Apr-2010	90.9	U	90.9	U	90.9	U	8.3	J	90.9	U	45.5	U	45.5	U
NA-E10-I-F	2	27-Jan-2010	186	J	474	U	326	J	1690		1020		162	J	152	J
NA-E10-I-F(2.5-3.0)	2.5-3	08-Mar-2010	47.6	U	47.6	U	13.1	J	48.9		85.9		7.76	J	7.28	J
NA-E10-I-F(3.0-3.5)	3-3.5	08-Mar-2010	50.4	U	50.4	U	50.4	U	66		50.4	U	25.2	U	25.2	U
NA-E10-J-F	2	27-Jan-2010	229	U	229	U	200	J	1090		558		150		134	
NA-E10-J-F(2.5-3.0)	2.5-3	08-Mar-2010	45.7	U	45.7	U	45.7	U	22.9	U	45.7	U	22.9	U	22.9	U
NA-E10-J-F(3.0-3.5)	3-3.5	08-Mar-2010	45.7	U	45.7	U	45.7	U	22.8	U	45.7	U	22.8	U	22.8	U
NA-E10-K-F	2	27-Jan-2010	31.6	J	122	U	44.1	J	742		221		35.6	J	40	J
NA-E10-K-F(2.5-3.0)	2.5-3	08-Mar-2010	44.7	U	44.7	U	44.7	U	22.3	U	44.7	U	22.3	U	22.3	U
NA-E10-K-F(3.0-3.5)	3-3.5	08-Mar-2010	44.6	U	44.6	U	44.6	U	22.3	U	44.6	U	22.3	U	22.3	U
NA-E10-L-F	2	20-Jan-2010	97.8	U	97.8	U	97.8	U	572		582		136		74.2	
NA-E10-L-F(2.5-3.0)	2.5-3	04-Mar-2010	1910	U	1910	U	1910	U	8970		3110		1320		3650	
NA-E10-L-F(3.0-3.5)	3-3.5	04-Mar-2010	227	U	227	U	34.4	J	1010		287		95.3	J	130	
NA-E10-L-F(3.5-4.0)	3.5-4.0	19-Apr-2010	4.43	U	4.43	U	4.43	U	2.34		1.82	J	2.22	U	2.22	U
NA-E10-L-F(4.0-4.5)	4.0-4.5	19-Apr-2010	89.3	U	89.3	U	89.3	U	14.5	J	89.3	U	44.6	U	44.6	U
NA-E10-M-F	2	27-Jan-2010	43.5	U	43.5	U	43.5	U	18.9	J	47.3		8.8	J	21.8	U
NA-E10-N-F	2	27-Jan-2010	45.4	U	45.4	U	45.4	U	7.65	J	27.4	J	22.7	U	22.7	U
NA-E10-O-F	2	20-Jan-2010	45.4	U	45.4	U	45.4	U	67.7		241		126		28.3	
NA-E10-O-F(3.5-4.0)	3.5-4	08-Mar-2010	47.5	U	47.5	U	47.5	U	54.1		27.7	J	23.7	U	9.14	J
NA-E10-O-F(4.0-4.5)	4-4.5	08-Mar-2010	48.5	U	48.5	U	48.5	U	42		14.8	J	24.3	U	8.26	J
NA-E10-P-F	2	27-Jan-2010	48.6	U	48.6	U	48.6	U	15.8	J	15.8	J	24.3	U	24.3	U
NA-E10-Q-F	2	20-Jan-2010	44.5	U	44.5	U	44.5	U	11	J	109		21.6	J	9.39	J
NA-E10-R-F	2	20-Jan-2010	9.73	U	9.73	U	9.73	U	7.99		39.4		6.57		3.28	J
NA-E10-S-F		28-Jan-2010	45.2	U	45.2	U	45.2	U	8.84	J	40.8	J	22.6	U	22.6	U
NA-E10-S-MS		28-Jan-2010	78.2		56.4		205		1290	E	2210	E	283		450	E
NA-E10-S-MSD		28-Jan-2010	120		97.3		319		1440	E	2650	E	441	E	698	E
NA-E10-T-F		28-Jan-2010	85.5		50.8		636		53.2		190		15	J	8.2	J
NA-E10-U-F		28-Jan-2010	10.4	J	9.37	J	63.7		39.4		73.9		10.9	J	7.17	J
NA-E10-V-F		28-Jan-2010	4330	U	4330	U	1630	J	34900		44700		12000		10900	
NA-E10-W-F		28-Jan-2010	44.1	U	44.1	U	44.1	U	50.9		133		34.3		11.1	J
NA-E10-X-F		28-Jan-2010	455	U	455	U	92.4	J	901		2050		205	J	171	J
NA-E10-X-MS		28-Jan-2010	71.7	J	57.5	J	133	J	1520		1920		243		366	
NA-E10-X-MSD		28-Jan-2010	59.5	J	58.7	J	112	J	1270		1620		212	J	310	
NA-E10-X-F(2.5-3.0)	2.5-3	05-Mar-2010	9090	U	9090	U	9090	U	58400		20600		4540	U	2100	J
NA-E10-X-F(3.0-3.5)	3-3.5	05-Mar-2010	45.8	U	45.8	U	45.8	U	6.93	J	45.8	U	22.9	U	22.9	U
NA-E10-Y-F		28-Jan-2010	997	U	997	U	227	J	2390		6420		174	J	235	J
NA-E10-Y-MS		28-Jan-2010	1000	U	1000	U	1000	U	1240		523	J	500	U	142	J
NA-E10-Y-MSD		28-Jan-2010	1000	U	1000	U	1000	U	1050		486	J	502	U	107	J
NA-E10-Y-F(2.5-3.0)	2.5-3	05-Mar-2010	44.5	U	44.5	U	44.5	U	22.3	U	44.5	U	22.3	U	22.3	U
NA-E10-Y-F(3.0-3.5)	3-3.5	05-Mar-2010	45.5	U	45.5	U	45.5	U	22.7	U	45.5	U	22.7	U	22.7	U
NA-E10-Y-F(3.0-3.5)MS	3-3.5	05-Mar-2010	16.6	J	19.8	J	17.3	J	20.6	J	20.8	J	20.1	J	19.6	J
NA-E10-Y-F(3.0-3.5)MSD	3-3.5	05-Mar-2010	16.7	J	18.5	J	17.5	J	22.1	J	22.4	J	20	J	20.5	J
NA-E10-Z-F	2	20-Jan-2010	9.15	U	9.15	U	9.15	U	7.33		40		8.22		8.03	
NA-E10-DUP1		05-Mar-2010	46.9	U	46.9	U	46.9	U	6.55	J	46.9	U	23.4	U	23.4	U
NA-E10-DUP1		28-Jan-2010	43.9	U	43.9	U	43.9	U	32		78.3		26.5		6.72	J
NA-E10-DUP-2		28-Jan-2010	37.6	J	41.9	J	202	J	77.3	J	1400		30.1	J	21.1	J
NA-E10-DUP3		28-Jan-2010	22	J	15.7	J	137		56.2		135		21.4	J	12.4	J
NA-E10-DUP4		28-Jan-2010	80.8		55.4		638		77.9		156		13.8	J	11.3	J
Excavation Area 11																
NA-E11-A-EW	0-2	16-Dec-2009	179	U	179	U	179	U	89.6	U	955		89.6	U	89.6	U
NA-E11-A-NW	0-2	16-Dec-2009	61.2	J	29.5	J	210		12.5	J	224		19.3	J	22.5	U
NA-E11-A-SW	0-2	16-Dec-2009	470	U	470	U	470	U	2370		391	J	235	U	235	U
NA-E11-A-WW	0-2	16-Dec-2009	5.24		12.2		36		3.94		12.8		2.31	U	1.39	J
NA-E11-A-F	2	16-Dec-2009	7.79	J	9.72		24		7.32		58.3		3.89	J	2.52	J
NA-E11-B-WW	0-2	27-Jan-2010	8.61	U	8.61	U	8.61	U	1.19	J	2.06	J	4.31	U	4.31	U
NA-E11-B-F	2	27-Jan-2010	8.72	U	8.72	U	1.33	J	31		6.76	J	4.36	U	1.08	J
NA-E11-C-EW	0-2	27-Jan-2010	1810	U	1810	U	292	J	906	U	12300		906	U	906	U

Table 2-1: GPA, Bainbridge Terminal, Bainbridge GA,
Soil Pesticide Data Summary Concerning RRS Constituents - Northern Area Excavation Confirmatory Sample Data

Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	Flags	4,4'DDE	Flags	4,4'-DDT	Flags	alpha-BHC	Flags	beta-BHC	Flags	delta-BHC	Flags	gamma-BHC (Lindane)	Flags
Site-Specific RRS Values (µg/kg)			***11,000***		***7,700***		***11,000***		***660***		***3,100***		***100***		***12,000***	
NA-E11-C-EWF(2.5-3.0)	2.5-3	09-Mar-2010	43.7	U	43.7	U	**9.62**	**J**	**5.69**	**J**	**31.7**	**J**	21.9	U	21.9	U
NA-E11-C-EWF(3.0-3.5)	3-3.5	09-Mar-2010	44.3	U	44.3	U	44.3	U	22.1	U	**67**		22.1	U	22.1	U
NA-E11-C-F	2	27-Jan-2010	44.6	U	**16.2**	**J**	**55.6**		**8.73**	**J**	**235**		**8.05**	**J**	22.3	U
NA-E11-C-EW5(0-2)	0-2	09-Mar-2010	44.3	U	44.3	U	44.3	U	22.2	U	44.3	U	22.2	U	22.2	U
NA-E11-C-EW10(0-2)	0-2	09-Mar-2010	43.5	U	43.5	U	43.5	U	21.7	U	**8.45**	**J**	21.7	U	21.7	U
NA-E11-C-EW15(0-2)	0-2	09-Mar-2010	44.2	U	44.2	U	44.2	U	22.1	U	44.2	U	22.1	U	22.1	U
NA-E11-C-EW-DUP10		09-Mar-2010	52.4	U	52.4	U	52.4	U	26.2	U	52.4	U	26.2	U	26.2	U
Excavation Area 12																
NA-E12-A-NW	0-2	19-Jan-2010	41.8	U	41.8	U	41.8	U	**11.5**	**J**	**46.1**		**4.61**	**J**	**5.66**	**J**
NA-E12-A-WW	0-2	19-Jan-2010	**27.3**		**13**	**J**	**22.5**	**J**	**51**		**142**		**104**		**13.8**	
NA-E12-A-WWF(2.5-3.0)	2.5-3	09-Mar-2010	47.4	U	47.4	U	47.4	U	23.7	U	**18.9**	**J**	23.7	U	23.7	U
NA-E12-A-WWF(3.0-3.5)	3-3.5	09-Mar-2010	45.5	U	45.5	U	45.5	U	22.8	U	45.5	U	22.8	U	22.8	U
NA-E12-A-F	2	19-Jan-2010	**1.32**	**J**	**1.44**	**J**	4.79	U	**1.68**	**J**	**19.2**		**6.23**		**0.58**	**J**
NA-E12-A-WW10(0-2)	0-2	05-Mar-2010	47.5	U	47.5	U	47.5	U	23.8	U	47.5	U	23.8	U	23.8	U
NA-E12-A-WW15(0-2)	0-2	05-Mar-2010	47.6	U	47.6	U	47.6	U	23.8	U	47.6	U	23.8	U	23.8	U
NA-E12-A-WW5(0-2)	0-2	05-Mar-2010	47.4	U	47.4	U	47.4	U	**35**		**157**		**15.7**	**J**	**20.1**	**J**
NA-E12-A-WW-D		05-Mar-2010	47.3	U	47.3	U	47.3	U	23.6	U	47.3	U	23.6	U	23.6	U
NA-E12-A-WW-DUP8		09-Mar-2010	51	U	51	U	51	U	25.5	U	**20**	**J**	25.5	U	25.5	U
NA-E12-A-WWF-DUP9		09-Mar-2010	46.1	U	46.1	U	46.1	U	23	U	**9.04**	**J**	23	U	23	U
NA-E12-B-NW	0-2	19-Jan-2010	**43.2**	**J**	**65.3**		**66.2**		**29.6**		**211**		**13**	**J**	**11**	**J**
NA-E12-B-EW	0-2	19-Jan-2010	**197**		**79.2**		**30.7**	**J**	**116**		**175**		**258**		**51.9**	
NA-E12-B-EWF(2.5-3.0)	2.5-3	09-Mar-2010	52.9	U	52.9	U	**13.3**	**J**	26.4	U	52.9	U	26.4	U	26.4	U
NA-E12-B-EWF(3.0-3.5)	3-3.5	09-Mar-2010	**1240**		**389**		**107**		**70.4**		**650**		**131**		**27.3**	**J**
NA-E12-B-EW5(0-2)	0-2	09-Mar-2010	46.5	U	46.5	U	46.5	U	23.2	U	46.5	U	23.2	U	23.2	U
NA-E12-B-EW5(3.5-4.0)	3.5-4.0	20-Apr-2010	2260	U	2260	U	2260	U	**42,000**		**12,500**		**3,180**		**1810**	
NA-E12-B-EW5(4.0-4.5)	4.0-4.5	20-Apr-2010	91.1	U	91.1	U	91.1	U	**12.6**	**J**	**18.3**	**J**	45.5	U	45.5	U
NA-E12-B-EW10(0-2)	0-2	09-Mar-2010	**49.6**	**J**	**34**	**J**	242	U	**40.4**	**J**	**1530**		121	U	121	U
NA-E12-B-EW10(3.5-4.0)	3.5-4.0	20-Apr-2010	92	U	92	U	92	U	46	U	**15**	**J**	46	U	46	U
NA-E12-B-EW10(4.0-4.5)	4.0-4.5	20-Apr-2010	92	U	92	U	92	U	46	U	92	U	46	U	46	U
NA-E12-B-EW15(0-2)	0-2	09-Mar-2010	**17.8**	**J**	**11.1**	**J**	93.5	U	**24.5**	**J**	**515**		**27.2**	**J**	**9.99**	**J**
NA-E12-B-EW15(3.5-4.0)	3.5-4.0	20-Apr-2010	93.3	U	93.3	U	93.3	U	46.7	U	**28**	**J**	46.7	U	46.7	U
NA-E12-B-EW15(4.0-4.5)	4.0-4.5	20-Apr-2010	96.3	U	96.3	U	96.3	U	48.2	U	**16.9**	**J**	48.2	U	48.2	U
NA-E12-B-EW20(2.5-3.0)	2.5-3.0	20-Apr-2010	93.2	U	93.2	U	93.2	U	46.6	U	**23.3**	**J**	46.6	U	46.6	U
NA-E12-B-EW20(3.0-3.5)	3.0-3.5	20-Apr-2010	94.3	U	94.3	U	94.3	U	47.1	U	94.3	U	47.1	U	47.1	U
NA-E12-B-EW25(2.5-3.0)	2.5-3.0	20-Apr-2010	94.6	U	94.6	U	94.6	U	47.3	U	**20.2**	**J**	47.3	U	47.3	U
NA-E12-B-EW25(3.0-3.5)	3.0-3.5	20-Apr-2010	96.2	U	96.2	U	96.2	U	48.1	U	**15.7**	**J**	48.1	U	48.1	U
NA-E12-B-EW-DUP3		09-Mar-2010	46.3	U	46.3	U	46.3	U	23.1	U	**21.6**	**J**	23.1	U	23.1	U
NA-E12-B-EW-DUP4		09-Mar-2010	**65.8**	**J**	**32.7**	**J**	**11.7**	**J**	**29.8**	**J**	**612**		**18.7**	**J**	**11.8**	**J**
NA-E12-B-EW-DUP5		09-Mar-2010	**10.5**	**J**	90.4	U	90.4	U	**19.4**	**J**	**507**		**20.8**	**J**	**8.97**	**J**
NA-E12-B-EWF-DUP6		09-Mar-2010	46.8	U	46.8	U	46.8	U	23.4	U	46.8	U	23.4	U	23.4	U
NA-E12-B-EWF-DUP7		09-Mar-2010	**945**		**341**		**124**	**J**	**59.3**	**J**	**1150**		**108**	**J**	132	U
NA-E12-B-F	2	19-Jan-2010	**652**		**122**		**49.4**		**96.3**		**382**		**135**		**22.8**	**J**
NA-E12-B-F(2.5-3.0)	2.5-3	04-Mar-2010	48.5	U	48.5	U	48.5	U	24.3	U	48.5	U	24.3	U	24.3	U
NA-E12-B-F(3.0-3.5)	3-3.5	04-Mar-2010	48.7	U	48.7	U	48.7	U	24.3	U	48.7	U	24.3	U	24.3	U
NA-E12-C-SW	0-2	19-Jan-2010	4.56	U	**1.39**	**J**	4.56	U	**1.56**	**J**	**13.1**		**2.08**	**J**	**1.59**	**J**
NA-E12-C-WW	0-2	19-Jan-2010	4.6	U	**1.02**	**J**	4.6	U	**0.884**	**J**	**8.16**		**1.26**	**J**	**0.926**	**J**
NA-E12-C-F	2	19-Jan-2010	**0.716**	**J**	5.06	U	5.06	U	2.53	U	**2.51**	**J**	2.53	U	2.53	U
NA-E12-D-EW	0-2	19-Jan-2010	**40.5**		**62.4**		**35.5**		**7.1**	**J**	**83.3**		**6.24**	**J**	**2.49**	**J**
NA-E12-D-SW	0-2	19-Jan-2010	23.2	U	23.2	U	23.2	U	**12.8**		**139**		**15.1**		**3.21**	**J**
NA-E12-D-F	2	19-Jan-2010	4.89	U	4.89	U	4.89	U	2.44	U	**1.96**	**J**	2.44	U	2.44	U
Excavation Area 13																
NA-E13-A-NW	0-2	19-Jan-2010	4.74	U	4.74	U	4.74	U	**0.728**	**J**	**9.43**		2.37	U	**1.55**	**J**
NA-E13-A-WW	0-2	19-Jan-2010	23.5	U	**6.88**	**J**	**15.4**	**J**	**9.85**	**J**	**78.3**		**2.97**	**J**	**9.61**	**J**
NA-E13-A-F	2	19-Jan-2010	**12.1**	**J**	**15.7**	**J**	**13.6**	**J**	**18**	**J**	**210**		**9.65**	**J**	**6.51**	**J**
NA-E13-B-EW	0-2	20-Jan-2010	**366**		**933**		**1690**		124	U	**123**	**J**	124	U	124	U
NA-E13-B-NW	0-2	20-Jan-2010	4.43	U	**0.776**	**J**	**1.58**	**J**	**3.26**		**8.89**		2.21	U	2.21	U
NA-E13-B-F	2	20-Jan-2010	4.41	U	**2.56**	**J**	**1.67**	**J**	**1.02**	**J**	**17.8**		**0.834**	**J**	**0.581**	**J**
NA-E13-C-SW	0-2	20-Jan-2010	86.5	U	**17.5**	**J**	**27.4**	**J**	**25.2**	**J**	**318**		**18.6**	**J**	**13.1**	**J**
NA-E13-C-WW	0-2	20-Jan-2010	**4.46**	**J**	**8.45**	**J**	**23.2**		**15**		**60.2**		**6.22**	**J**	**5.53**	**J**
NA-E13-C-F	2	20-Jan-2010	113	U	113	U	113	U	**16**	**J**	**422**		56.4	U	56.4	U
NA-E13-D-EW	0-2	20-Jan-2010	23.4	U	**6.06**	**J**	**17.8**	**J**	**16.6**		**53.5**		**5.47**	**J**	**4.87**	**J**
NA-E13-D-SW	0-2	20-Jan-2010	**31**	**J**	**35.5**	**J**	**13.8**	**J**	22.8	U	**43.7**	**J**	22.8	U	22.8	U
NA-E13-D-F	2	20-Jan-2010	**19.4**	**J**	**13.8**	**J**	**61.2**		**6.91**	**J**	**97.9**		11.4	U	11.4	U
Other																

Table 2-1: GPA, Bainbridge Terminal, Bainbridge GA,
Soil Pesticide Data Summary Concerning RRS Constituents - Northern Area Excavation Confirmatory Sample Data

Sample Identification	Sample Depth (ft)	Sample Date	4,4'DDD	Flags	4,4'DDE	Flags	4,4'-DDT	Flags	alpha-BHC	Flags	beta-BHC	Flags	delta-BHC	Flags	gamma-BHC (Lindane)	Flags
Site-Specific RRS Values (µg/kg)			***11,000***		***7,700***		***11,000***		***660***		***3,100***		***100***		***12,000***	
NA-EB01	NA	17-Dec-2009	0.102	U	0.102	U	0.102	U	0.051	U	0.051	U	0.051	U	0.051	U
EB-1	NA	22-Dec-2009	0.103	U	**0.0047**	**J**	**0.033**	**J**	**0.044**	**J**	**0.077**		**0.015**	**J**	0.052	U
EX10SW	0-2	21-Dec-2009	**0.025**	**J**	0.51	U	0.51	U	**2.03**		**4.31**		**0.88**		**0.3**	

Notes:

124	Sample concentration is above RRS
4.46	Sample is above quatitation limits but below RRS

Analytical data for each excavation area was derived from Table 3-2 of CH2MHILL's report titled "Removal Action Completion Report Revision 3" (RACR Rev. 3) in January of 2011 as well as through e-mail correspondence with GPA on August 27, 2014.

Table 3-1: Well Gauging Data for March 2014 Monitoring Event

Well ID # (Well Diameter, in.)	TOC Elevation	DTW	Groundwater Surface Elevation	Notes
	ft.	ft.	ft.	
MW-1 (2)	105.24	26.45	78.79	
MW-1A (2)	105.36	25.45	79.91	
MW-2 (2)	99.70	19.03	80.67	
MW-3 * (2)	97.13	17.43	79.70	
MW-4U (2)	103.54	23.70	79.84	
MW-5A (2)	96.48	17.29	79.19	
MW-5D (2)	95.93	16.76	79.17	samples had black particles suspended in purge water
MW-6 (2)	102.06	22.66	79.40	gauged from high side of TOC, collected matrix spike
MW-7 (2)	98.16	18.09	80.07	initial water purged was turbid, tried using 23 feet of tubing and hit bottom, measured total well depth was updated and tubing was remarked to 21 feet
MW-8 (2)	93.39	14.34	79.05	bailed ~1 inch of water from vault prior to gauging
MW-9 ** (2)	NA	NA	NA	
MW-10 * (2)	100.02	19.90	80.12	duplicate sample taken
MW-11 (2)	100.92	20.77	80.15	Horiba battery died @ 7:40, replaced battery and parameter monitoring continued
MW-12 (2)	93.89	15.55	78.34	1" of standing water in well vault still not above TOC, bailed water before gauging
MW-13 (2)	93.35	DRY	N/A	well is dry, no sample taken
MW-14 (2)	101.91	23.52	78.39	1/2" of water in well vault just below TOC
MW-15 (2)	98.03	18.86	79.17	well is dry, no sample taken
MW-16 * (2)	97.17	17.16	80.01	1 1/2" of water in vault, still below TOC, sampled with NTU > 10 because it kept rising steadily
MW-17 (2)	93.50	14.35	79.15	well is deformed ~1 ft below ground surface, water has tan/grey tint in cylinder, tan bacteria floating in samples when collected
MW-18 (2)	95.48	16.00	79.48	
MW-19 (2)	96.54	16.92	79.62	1 1/2" of water in well casing above cap, water bailed out prior to opening cap to gauge well, began raining heavily at 14:36
MW-20 * (2)	96.61	16.64	79.97	began raining heavily as samples were being taken
MW-21 * (2)	97.58	17.57	80.01	1/2" of water over TOC in well vault, bailed out water prior to opening well cap
MW-22 * (2)	98.90	18.92	79.98	matrix spike sample taken

Notes:

All DTW measurements were recorded prior to purging utilizing a Solinst interface meter, Model:122
Depth to bottom of each well was recorded utilizing the interface meter after each sample was collected
*TOC elevations were based on survey conducted by Donaldson, Garrett, & Associates, Inc. on 6/20/2013.
** Well Not Located
TOC = Top of Casing
DTW = Depth to Water below TOC NA = Not Applicable
DTB = Depth to Bottom below TOC NM = Not Measured
DRY = Groundwater level is below bottom of well screen, therefore no sample was taken

Table 3-2: Well Gauging Data for September 2014 Monitoring Event

Well ID # (Well Diameter, in.)	TOC Elevation	DTW	Groundwater Surface Elevation	Notes
	ft.	ft.	ft.	
MW-1 (2)	105.24	27.71	77.53	re-marked outer casing for identification
MW-1A (2)	105.36	27.83	77.53	DTB= 36.81'
MW-2 (2)	99.70	21.47	78.23	
MW-3 * (2)	97.13	19.84	77.29	pad cracked due to GPA clearing activities, well casing intact and only slightly moved
MW-4U (2)	103.54	25.96	77.58	re-marked gauging point on west side of well
MW-5A (2)	96.48	19.43	77.05	
MW-5D (2)	95.93	18.81	77.12	DTB= 22.26'
MW-6 (2)	102.06	24.86	77.20	
MW-7 (2)	98.16	20.52	77.64	
MW-8 (2)	93.39	16.32	77.07	
MW-9 ** (2)	NA	NA	NA	
MW-10 *[3] (2)	100.02	22.25	77.77	well vault lid initially not bolted in place
MW-11 (2)	100.92	23.29	77.63	
MW-12 (2)	93.89	17.26	76.63	
MW-13 (2)	93.35	16.97	76.38	DTB= 22.22'
MW-14 (2)	101.91	25.25	76.66	initial DTW back calculated from purge drawdown data
MW-15 *[3] (2)	98.03	20.76	77.27	DTB= 21.51'
MW-16 * (2)	97.17	19.44	77.73	water in vault ~1/4" above TOC, bailed out the water prior to sampling
MW-17 *[3] (2)	93.50	16.40	77.10	
MW-18 (2)	95.48	18.13	77.35	air under slight pressure flowed out of well upon removal of cap
MW-19 (2)	96.54	19.21	77.33	air under slight pressure flowed out of well upon removal of cap
MW-20 * (2)	96.61	19.00	77.61	
MW-21 * (2)	97.58	20.02	77.56	
MW-22 * (2)	98.90	21.31	77.59	
MW-23 *[3] (2)	93.63	16.58	77.05	

Notes:

All DTW measurements were recorded prior to purging utilizing a Solinst interface meter, Model:122

Depth to bottom of each well was recorded utilizing the interface meter prior to purging

*TOC elevations were based on survey conducted by Donaldson, Garrett, & Associates, Inc. on 6/20/2013.

** Well Not Located

*[3] TOC elevation based on survey conducted by Donaldson, Garrett, & Associates, Inc. on 7/11/2014.

TOC = Top of Casing

DTW = Depth to Water below TOC NA = Not Applicable DRY = Groundwater level is below well screen, therefore no sample was taken

DTB = Depth to Bottom below TOC NM = Not Measured

Table 3-3: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-1 (2)	7/13/2011	NM	3.65	618.00	NM	0.00	2.91
	3/28/2013	17.07	3.36	574.00	0.462	1.40	2.95
	6/4/2013	22.64	3.35	510.00	0.452	29.60	3.13
	9/3/2013	20.54	3.58	392.00	0.48	0.00	4.31
	12/3/2013	18.45	3.47	358.00	0.72	2.20	4.58
	3/25/2014	19.10	4.07	377.00	0.55	0.00	4.99
	9/4/2014	23.21	3.70	382.00	0.63	4.50	4.99
MW-1A (2)	7/13/2011	NM	3.79	572.00	NM	4.30	2.28
	3/28/2013	16.35	3.43	583.00	0.548	1.50	2.80
	6/4/2013	21.86	3.41	494.00	0.595	3.80	2.52
	9/3/2013	21.7	3.61	386.00	0.662	2.10	2.89
	12/3/2013	19.01	3.45	340.00	0.916	1.90	2.46
	3/25/2014	17.97	4.01	400.00	0.761	0.00	2.26
	9/4/2014	22.15	3.78	372.00	0.818	35.40	3.61
MW-2 (2)	7/14/2011	NM	4.24	544.00	NM	0.00	0.83
	3/28/2013	18.47	4.60	499.00	0.049	0.70	4.72
	6/3/2013	21.40	4.30	391.00	0.059	6.10	3.45
	9/4/2013	20.32	4.63	245.00	0.053	0.00	3.37
	12/4/2013	18.84	4.46	294.00	0.076	0.00	1.37
	3/25/2014	17.33	4.84	295.00	0.065	0.00	4.16
	9/3/2014	18.94	3.86	226.00	0.075	0.00	1.16
MW-3 (2)	3/28/2013	NL	NL	NL	NL	NL	NL
	6/4/2013	NS	NS	NS	NS	NS	NS
	9/5/2013	21.77	4.90	240.00	0.057	31.00	4.38
	12/4/2013	18.49	5.05	275.00	0.074	0.00	6.27
	3/25/2014	19.18	5.57	220.00	0.065	0.00	6.43
	9/4/2014	19.98	4.65	231.00	0.072	17.50	4.97
MW-4U (2)	3/28/2013	16.30	3.83	555.00	0.269	7.40	3.32
	6/4/2013	23.44	3.67	470.00	0.185	2.30	4.29
	9/3/2013	20.52	3.97	361.00	0.261	0.00	4.54
	12/3/2013	19.75	3.94	309.00	0.243	0.00	4.63
	3/25/2014	20.85	4.44	308.00	0.262	0.00	3.76
	9/4/2014	20.30	3.68	309.00	0.198	0.00	4.95
MW-5A (2)	7/15/2011	NM	3.96	360.00	NM	0.10	2.41
	4/6/2012	23.16	3.55	279.00	0.543	9.80	1.59
	11/20/2012	24.52	3.19	221.00	0.335	0.94	3.60
	3/26/2013	20.45	4.33	577.00	0.321	2.80	9.21
	6/4/2013	24.98	3.87	434.00	0.467	12.70	2.07
	9/5/2013	24.49	4.34	299.00	0.256	0.00	3.69
	12/5/2013	23.77	3.99	302.00	0.673	38.80	1.21
	3/26/2014	20.00	4.22	260.00	0.608	0.00	3.24
	9/5/2014	23.84	4.03	308.00	0.829	0.00	1.47
MW-5D (2)	7/15/2011	NM	5.91	266.00	NM	0.20	0.00
	4/6/2012	22.45	5.18	158.90	1.205	2.80	0.86
	11/20/2012	25.50	3.59	209.00	1.597	5.94	0.32
	3/26/2013	19.39	7.70	237.00	2.240	3.20	0.88
	6/4/2013	25.53	6.26	9.00	5.55	6.70	0.54
	9/4/2013	26.16	5.43	91.00	0.67	0.00	0.70
	12/5/2013	24.29	4.82	244.00	1.540	0.00	0.30
	3/26/2014	18.91	3.53	275.00	1.870	0.00	0.60
	9/3/2014	24.94	3.62	300.00	0.988	0.00	0.71

Table 3-3: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-6 (2)	7/12/2011	NM	5.69	204.00	NM	9.20	0.00
	4/4/2012	23.18	5.30	105.60	1.452	4.50	0.30
	11/20/2012	20.63	5.15	208.00	1.776	3.49	0.66
	3/26/2013	19.38	5.49	241.00	1.750	11.70	0.79
	6/5/2013	23.17	5.50	72.00	1.720	41.10	0.70
	9/3/2013	22.47	5.42	79.00	1.770	36.80	3.16
	12/5/2013	22.56	5.51	50.00	1.650	19.00	0.39
	3/26/2014	21.58	5.80	61.00	1.760	15.20	0.71
	9/4/2014	22.84	5.70	65.00	1.870	86.00	0.66
MW-7 (2)	3/27/2013	18.94	4.41	440.00	0.413	9.00	1.82
	6/3/2013	24.07	3.66	398.00	0.535	4.10	2.91
	9/4/2013	23.81	4.38	301.00	0.512	7.80	0.92
	12/3/2013	22.96	3.82	301.00	0.715	3.30	1.55
	3/26/2014	18.95	3.91	284.00	0.541	0.00	1.63
	9/3/2014	24.29	3.45	304.00	0.926	0.00	1.47
MW-8 (2)	7/14/2011	NM	6.89	109.00	NM	3.30	1.98
	4/5/2012	23.95	3.63	349.20	0.935	0.00	1.88
	11/20/2012	24.86	3.07	207.00	1.156	7.47	2.20
	3/26/2013	20.10	3.64	606.00	1.550	1.40	5.26
	6/5/2013	23.97	3.90	467.00	0.758	1.30	2.26
	9/4/2013	26.94	3.73	275.00	1.10	0.00	2.20
	12/5/2013	24.28	3.96	322.00	0.64	0.00	1.31
	3/26/2014	18.72	3.93	274.00	0.734	1.10	3.57
	9/3/2014	27.23	3.41	311.00	0.730	0.00	1.29
MW-9 (2)	3/25/2013	NL	NL	NL	NL	NL	NL
	6/5/2013	NL	NL	NL	NL	NL	NL
	9/4/2013	NL	NL	NL	NL	NL	NL
	12/3/2013	NL	NL	NL	NL	NL	NL
	3/25/2014	NL	NL	NL	NL	NL	NL
	9/3/2014	NL	NL	NL	NL	NL	NL
MW-10 (2)	7/12/2011	NM	3.77	582.00	NM	7.30	0.00
	4/5/2012	22.47	3.51	407.20	0.988	5.30	1.38
	11/21/2012	22.12	3.63	210.00	0.771	0.77	0.44
	3/27/2013	17.82	3.48	542.00	0.931	2.10	2.37
	6/5/2013	22.32	3.73	471.00	0.930	0.40	2.17
	9/5/2013	22.36	3.67	326.00	0.927	0.00	1.51
	12/4/2013	22.45	3.77	317.00	0.948	0.00	0.86
	3/26/2014	20.16	3.88	320.00	0.823	0.00	1.71
	9/3/2014	23.99	3.63	288.00	0.911	0.00	1.43
MW-11 (2)	7/14/2011	NM	5.87	446.00	NM	0.20	2.09
	4/6/2012	18.64	3.64	364.10	0.247	8.60	5.51
	3/28/2013	18.14	3.55	549.00	0.203	3.90	3.96
	6/4/2013	21.60	3.65	446.00	0.198	54.80	3.33
	9/3/2013	20.21	3.77	371.00	0.186	11.70	7.24
	12/3/2013	19.29	3.73	337.00	0.205	0.00	4.38
	3/25/2014	18.20	4.19	351.00	0.190	6.70	5.06
	9/3/2014	20.20	3.30	300.00	0.182	0.00	4.85

Table 3-3: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-12 (2)	7/14/2011	NM	5.41	251.00	NM	1.10	1.06
	4/5/2012	24.22	6.55	351.20	0.878	0.70	0.33
	11/20/2012	23.30	6.92	203.00	1.316	1.82	0.42
	3/26/2013	18.79	5.50	508.00	0.860	0.00	3.47
	6/5/2013	21.30	6.83	200.00	0.856	0.00	0.89
	9/3/2013	23.85	5.63	118.00	1.240	2.30	1.07
	12/4/2013	23.62	6.89	51.00	0.753	0.00	0.82
	3/26/2014	18.64	5.93	213.00	1.070	0.00	1.38
	9/2/2014	23.31	6.87	117.00	0.619	0.00	0.62
MW-13 (2)	3/27/2013	17.64	4.64	192.00	0.396	1.90	1.37
	6/6/2013	DRY	DRY	DRY	DRY	DRY	DRY
	9/5/2013	21.38	4.87	171.00	0.50	0.00	0.80
	12/4/2013	DRY	DRY	DRY	DRY	DRY	DRY
	3/26/2014	17.75	4.95	77.00	0.42	0.00	0.91
	9/2/2014	22.57	5.93	211.00	0.48	0.00	1.69
MW-14 (2)	7/12/2011	NM	7.33	-20.00	NM	9.20	0.00
	4/4/2012	24.13	8.57	42.50	0.254	0.00	4.74
	3/26/2013	20.13	7.05	-19.00	0.234	15.80	0.79
	6/5/2013	21.37	6.92	-121.00	0.270	9.90	0.82
	9/3/2013	23.28	7.00	-107.00	0.273	54.00	1.41
	12/5/2013	22.11	7.06	-115.00	0.247	0.00	0.64
	3/25/2014	18.53	7.40	-146.00	0.267	5.80	0.66
	9/4/2014	22.27	7.51	-163.00	0.290	1.90	0.51
MW-15 (2)	4/5/2012	22.34	5.98	21.30	5.679	9.60	4.62
	3/25/2013	19.49	5.56	287.00	8.560	154.00	0.96
	6/6/2013	DRY	DRY	DRY	DRY	DRY	DRY
	9/4/2013	25.55	6.50	-84.00	3.02	135.00	0.60
	12/3/2013	DRY	DRY	DRY	DRY	DRY	DRY
	3/26/2014	16.50	4.30	292.00	4.94	0.00	1.32
	9/3/2014	24.75	4.29	250.00	3.77	0.00	1.75
MW-16 (2)	7/11/2011	NM	3.70	519.00	NM	0.50	3.93
	4/5/2012	23.17	4.57	272.00	0.036	0.00	5.71
	3/27/2013	16.47	4.85	503.00	0.027	16.80	8.83
	6/5/2013	21.94	4.83	381.00	0.027	2.30	6.34
	9/3/2013	24.49	5.26	181.00	0.041	116.00	3.00
	12/4/2013	23.15	4.93	222.00	0.035	36.90	3.13
	3/26/2014	19.59	4.96	236.00	0.030	0.00	4.99
	9/3/2014	28.38	4.75	259.00	0.026	0.00	4.33
MW-17 (2)	7/13/2011	NM	7.06	361.00	NM	8.10	0.67
	4/6/2012	19.34	6.01	-32.00	0.032	10.20	0.72
	11/20/2012	20.72	6.73	223.00	0.482	8.16	0.34
	3/26/2013	18.35	7.38	388.00	0.434	13.60	1.01
	6/5/2013	21.74	7.26	195.00	0.502	14.20	0.76
	9/4/2013	21.34	7.17	62.00	0.523	12.30	0.68
	12/4/2013	20.15	7.16	72.00	0.544	8.00	0.75
	3/27/2014	19.70	7.50	2.00	0.413	9.60	0.48
	9/2/2014	25.89	7.17	-118.00	0.401	11.10	0.40
MW-18 (2)	7/15/2011	NM	5.22	372.00	NM	0.00	2.08
	4/5/2012	23.64	6.62	192.00	1.844	2.40	0.31
	3/25/2013	19.85	6.44	254.00	2.180	10.90	1.29
	6/6/2013	23.32	6.20	271.00	2.270	0.00	0.80
	9/4/2013	26.11	6.64	48.00	1.950	0.00	0.74
	12/3/2013	24.18	6.55	90.00	2.240	1.20	1.36
	3/26/2014	21.36	6.79	124.00	1.880	0.80	1.36
	9/4/2014	25.62	6.27	221.00	1.910	0.80	0.60

Table 3-3: Chronological Groundwater Quality Field Parameters Summary

Well ID # (Well Diameter, in.)	Sample Date	Groundwater Quality Field Parameters					
		Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-19 (2)	4/5/2012	22.95	3.74	379.60	1.216	6.10	0.40
	3/25/2013	18.79	4.00	437.00	1.270	1.10	1.35
	6/6/2013	22.51	3.66	470.00	1.260	0.00	0.59
	9/4/2013	23.26	3.80	384.00	1.380	61.70	0.73
	12/3/2013	23.26	3.79	295.00	1.250	1.20	1.20
	3/25/2014	20.52	4.31	282.00	1.380	95.00	0.85
	9/3/2014	25.69	4.00	313.00	1.320	13.20	0.63
MW-20 (2)	7/12/2011	NM	4.49	516.00	NM	4.90	3.01
	4/5/2012	22.32	4.27	327.90	0.305	0.30	5.03
	11/21/2012	22.39	4.10	220.00	0.214	2.34	3.26
	3/27/2013	19.11	4.10	530.00	0.211	4.40	6.82
	6/6/2013	20.87	3.90	458.00	0.255	0.00	5.49
	9/5/2013	24.11	4.09	295.00	0.212	0.00	4.07
	12/4/2013	22.53	4.12	285.00	0.319	0.00	3.54
	3/27/2014	17.58	4.34	308.00	0.253	0.00	6.49
	9/5/2014	23.44	3.84	304.00	0.394	0.00	6.74
MW-21 (2)	7/12/2011	NM	3.80	590.00	NM	4.50	3.01
	4/5/2012	21.47	4.64	269.40	0.192	1.70	6.25
	11/21/2012	23.00	3.90	217.00	0.295	0.56	2.73
	3/27/2013	18.39	4.72	511.00	0.181	5.10	6.95
	6/6/2013	20.77	4.99	354.00	0.189	7.30	5.02
	9/3/2013	22.40	5.15	217.00	0.184	43.30	5.15
	12/4/2013	21.89	4.18	301.00	0.303	0.00	3.17
	3/27/2014	21.74	5.17	194.00	0.222	14.10	3.55
	9/5/2014	25.15	3.83	305.00	0.889	0.00	4.24
MW-22 (2)	4/5/2012	23.08	3.79	338.90	0.576	7.40	3.61
	11/20/2012	23.40	3.10	218.00	0.444	1.10	2.73
	3/27/2013	21.10	3.60	565.00	0.402	20.30	4.00
	6/6/2013	21.95	3.57	472.00	0.559	0.70	2.48
	9/5/2013	25.52	3.70	307.00	0.588	10.30	1.84
	12/5/2013	24.08	3.86	196.00	0.614	0.00	1.26
	3/27/2014	18.50	3.86	356.00	0.650	9.90	2.99
	9/5/2014	25.73	3.83	337.00	0.697	0.00	2.90
MW-23 (2)	7/8/2014	24.94	3.74	358.00	1.310	0.00	1.34
	9/2/2014	26.47	4.67	154.00	1.040	0.00	0.55

Sources: Analytical results for samples collected in April 2012 and earlier are from CH2M Hill 2012, AccuTest 2012, and ECT 2012

Notes:

Field parameters were recorded by EIC from 12/2/2013 to 9/5/2014, after parameters had stabilized and prior to sample collection.

Parameters were measured with a Horiba U-52 Water Quality Meter with a Flow-Through Cell.

SU = Standard Unit
mV = Millivolts
mS/cm = Microsiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = Milligrams per liter
NL = Well not located
NS = Well not sampled
NM = Field Parameter not measured
DRY = Well was dry and therefore not sampled

Table 3-4: Groundwater Pesticides Data Summary

Well ID	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
	Unit	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	Site-Specific RRS Values	0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
	Type RRS	4		4		4		4				4								4						4				4													
	Sample Date																																										
MW-1	4/15/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.095**		**0.113**		0.051	U	**0.065**		0.051	U	0.051	U	0.051	U	**0.00462**	J	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	7/13/2011	0.051	U	0.1	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	**0.103**		0.102	U	0.102	U	**0.0092**	J	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00722	U	0.00742	U	0.00722	U	0.01320	U	0.0105	U	0.00856	U	0.00814	U	0.000464	U	0.00835	U	0.01160	U	0.00928	U	0.00856	U	0.01000	U	0.01150	U	0.0108	U	0.00835	U	0.00722	U	0.00835	U	0.00742	U	0.00515	U
	3/25/2014	0.003	U	0.00232	U	0.00131	U	0.00169	U	0.00551	U	0.00323	U	0.00142	U	0.00099	U	0.001500	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.00141	U	0.0762	U
	9/4/2014	0.0343	J	**0.231**		0.002	U	0.0362	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-1A	9/1/2001	0.100	U	0.1	U	**0.1**	U	0.1	U		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM
	4/15/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.092**		**0.158**		0.051	U	**0.063**		0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	7/13/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00711	U	0.00731	U	0.00711	U	0.01300	U	0.0104	U	0.00843	U	0.00802	U	0.000457	U	0.00822	U	0.01150	U	0.00914	U	0.00843	U	0.00985	U	0.01140	U	0.0107	U	0.00822	U	0.00711	U	0.00822	U	0.00731	U	0.00508	U
	3/25/2014	0.003	U	0.00237	U	0.00134	U	0.00173	U	0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.001530	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/4/2014	0.0234	J	**0.161**		0.0046	J	0.0213	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-2	4/16/2008	0.010	U	0.0099	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	0.050	U	0.05	U	**0.05**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/3/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/2/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.008	U	0.00711	U	0.00731	U	0.00711	U	0.01300	U	0.0104	U	0.00843	U	0.00802	U	0.000457	U	0.00822	U	0.01150	U	0.00914	U	0.00843	U	0.00985	U	0.01040	U	0.0107	U	0.00822	U	0.00711	U	0.00822	U	0.00731	U	0.00508	U
	3/25/2014	0.003	U	0.00231	U	0.00131	U	0.00168	U	0.00548	U	0.00321	U	0.00142	U	0.00099	U	0.001490	U	0.00595	U	0.00143	U	0.00175	U	0.00269	U	0.00115	U	0.03420	U	0.00176	U	0.00339	U	0.00482	U	0.00324	U	0.00141	U	0.0758	NL
	9/3/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-3	3/28/2013		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NS
	6/3/2013		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		U
	9/5/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.009	U	0.00824	U	0.00847	U	0.00824	U	0.01510	U	0.012	U	0.00976	U	0.00929	U	0.000529	U	0.00953	U	0.01330	U	0.01060	U	0.00976	U	0.01140	U	0.01320	U	0.0124	U	0.00953	U	0.00824	U	0.00953	U	0.00847	U	0.00588	U
	3/25/2014	0.003	U	0.00235	U	0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.001510	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/4/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-4U	9/1/2001	0.100	U	0.1	U	**0.1**	U	0.1	U		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	4/15/2008	0.010	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.52	U
	8/5/2009	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00788	U	0.008	U	0.00778	U	0.01420	U	0.0113	U	0.00922	U	0.00878	U	0.00050	U	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.00800	U	0.00556	U
	3/25/2014	0.003	U	0.00235	U	0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	U
	9/4/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.004300	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-5A	4/16/2008	**0.120**		**2.4**		**0.63**		0.04	J	0.051	U	0.023	J	0.051	U	0.051	U	**2.7**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.14**		0.51	U
	8/4/2009	**0.510**	J	**18**		**2.2**		0.155	J	1.01	U	**1.01**	U	1.01	U	1.01	U	**1.70**	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	1.01	U	**0.340**	J	101	U
	7/15/2011	**0.130**		**1.41**		**0.559**		0.1	J	0.104	U	0.104	U	0.104	U	0.104	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	1.04	U	0.208	U	0.104	U	0.104	U	0.208	U	10.4	U
	4/6/2012	0.430	J	**15.6**	UBL	**1.6**	UBL	0.223	J	1.01	U	**0.217**	J	1.01	U	1.01	U	**5.07**		2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	0.104	U	**0.625**	J	101	U
	11/20/2012	0.022	J	**5.1**	*	**0.09**		0.019	J	0.0049	U	**0.08**		0.0049	U	0.0049	U	**5.6**	*	0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	**0.19**		0.98	U
	3/26/2013	**0.100**		**2.34**		**0.242**		**0.076**		0.0019	U	0.002	U	0.0007	U	0.002	U	**2.12**		0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	**0.0724**	J	0.215	U
	6/7/2013	**0.154**		**4.2**		**0.348**		**0.113**		0.0019	U	**0.0782**		0.0007	U	0.002	U	**5.41**		0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	**0.122**		0.215	U
	9/5/2013	0.010	U	**0.389**		0.002	U	0.0016	U	0.00290	U	0.0286	J	**0.236**		0.00240	U	**2.75**	D	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	**0.0398**	J	0.423	U
	12/5/2013	**0.488**		**10.2**	D	**1.24**		**0.426**		0.01420	U	0.0113	U	0.00922	U	0.00878	U	**5.93**	D	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	**0.872**		0.00556	U
	3/26/2014	**0.239**		0.00232	U	**0.668**		**0.24**		0.00551	U	0.0747	U	0.00142	U	0.00099	U	0.0015	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.244	U	0.0762	NM
	9/5/2014	**0.322**		**7.47**	D	**1.01**	D	**0.298**		0.00290	U	**0.0787**		0.00280	U	0.00240	U	1.99	D	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.235		0.423	U
MW-5D	7/1/2001	**1.000**		**8.7**		**3.7**			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	4/15/2008	**0.190**		**12**		**0.86**		**0.081**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.061**		0.051	U
	8/3/2009	**1.180**	J	**23.3**		**4.7**		0.538	J	2.02	U	**2.02**	U	2.02	U	2.02	U	**0.284**	J	4.04	U	4.04	U	4.04	U	4.04	U	4.04	U	4.04	U	20.2	U	4.04	U	**2.02**		2.02	U	4.04	U	202	U
	7/15/2011	**0.500**	U	**8.61**		**0.47**	J	0.538	J	0.5	U	**0.5**	U	0.5	U	0.5	U	**5.6**		1	U	1	U	1	U	1	U	1	U	1	U	5	U	1	U	0.5	U	0.5	U	1	U	50	U
	4/6/2012	**0.660**		**6**	UBL	**2.1**	UBL	**0.544**		0.51	U	**0.51**	U	0.51	U	0.51	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	5.1	U	5.1	U	**1.02**		51	U
	11/20/2012	**0.720**		**5.2**	*	**2.5**	*	**0.68**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	**0.079**		0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	0.98	U
	3/26/2013	0.002	U	**0.119**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	**0.215**		**2.49**		**0.567**		**0.225**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.12**		0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.597**		**11.3**	D	**2.19**	D	**0.779**		0.01510	U	0.012	U	0.00976	U	0.00929	U	**0.116**		0.00953	U	0.01330	U	0.01060	U	0.00976	U	0.01140	U	0.01320	U	0.0124	U	0.00953	U	0.00824	U	0.00953	U	0.00847	U	0.00588	U
	3/26/2014	0.003	U	0.00232	U	0.00131	U	0.00169	U	0.00551	U	0.00323	U	0.00141	U	0.00099	U	0.002	U	0.00598	U	0.00144	U	0.00175	U	0.00298	U	0.00115	U	0.03430	U	0.00176	U	0.00341	U	0.00484	U	0.00326	U	0.00141	U	0.0762	NM
	9/3/2014	**0.352**		**18.2**	D	**1.93**	J	**0.383**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.360		0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.00285	U	0.00851	U	0.00178	U	0.00218	U	0.0541	J	0.419	U

Table 3-4: Groundwater Pesticides Data Summary

Well ID	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
	Unit	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	Site-Specific RRS Values	0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
	Type RRS	4		4		4		4				4								4						4				4													
	Sample Date																																										
MW-6	9/1/2001	1.840		1.39		2.22		0.31			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM
	4/1/2002	1.200		1		3.6		0.11			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	4/14/2008	1.700		1.1		3.5		0.0079	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	8/4/2009	2.360		1.7		6.7		0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	5.05	U	1.01	U	0.505	U	0.505	U	1.01	U	50.5	U
	7/12/2011	2.500		2.5		7.9		0.526	U	0.526	U	0.526	U	0.526	U	0.526	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	1.05	U	5.26	U	1.05	U	0.526	U	0.526	U	1.05	U	52.6	U
	4/5/2012	1.400		1.6		2.54	UBL	0.253	U	0.253	U	0.253	U	0.253	U	0.253	U	0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	0.505	U	2.53	U	0.505	U	0.253	U	0.253	U	0.505	U	25.3	U
	11/20/2012	1.400	*	1.3	*	2.6	*	0.013	J***	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0098	U	0.0098	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	0.98	U
	3/26/2013	1.290		1.32		2.53		0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	1.230		1.36		1.69		0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	1.510	D	1.61	D	2.33	D	0.0143	J	2.22	D	0.0106	J	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	1.680		1.67		2.71	DX	0.035		0.0142	U	0.0113	U	0.00922	U	0.00878	U	0.000522	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	0.797		1.16		1.98		0.00173	U	0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.00153	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	NM
	9/8/2014	0.907	D	1.15	D	1.81	D	0.00158	U	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-7	9/1/2001	20.510		3.23		1.35		2.66			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM
	6/1/2002	4.300		1.2		1		1.3			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	4/14/2008	0.580		0.4		0.021	J	0.032	J	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.52	U
	8/5/2009	0.137		0.564		0.051	U	0.129		0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.00823	J	0.101	U	5.05	U
	3/27/2013	0.030	J	0.273		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/3/2013	0.002	U	0.489		0.0009	U	0.0524		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.061		0.365		0.002	U	0.0332	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.023		0.31		0.0126	J	0.0487		0.01420	U	0.0113	U	0.00922	U	0.00878	U	0.00184	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	0.018		0.264		0.00133	U	0.034		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	0.0364	J	0.409		0.00198	U	0.0660		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-8	9/2/2001	0.100	U	0.22		0.1	U	0.1	U		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	4/15/2008	0.310		1.7		0.46		0.2		0.05	U	0.05	U	0.05	U	0.05	U	0.011	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.5	U
	7/14/2011	0.527		2.66		1.1		0.277		0.25	U	0.25	U	0.25	U	0.25	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.25	U	0.25	U	0.5	U	25	U
	4/5/2012	0.227		1.99		0.3	UBL	0.124		0.101	U	0.101	U	0.101	U	0.101	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	0.202	U	1.01	U	0.202	U	1.01	U	1.01	U	0.202	U	10.1	U
	11/20/2012	0.210		2.1	*	0.28		0.13		0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	0.032	J	1.47		0.0009	U	0.036	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.266		1.15		0.215		0.147		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.162		1.68	D	0.112		0.108		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00961	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	0.536		1.77		0.655		0.383		0.01420	U	0.0113	U	0.00922	U	0.00878	U	0.0101	J	0.009	U	0.01260	U	0.01000	U	0.00922	U	0.01080	U	0.01240	U	0.0117	U	0.00900	U	0.00778	U	0.00900	U	0.008	U	0.00556	U
	3/26/2014	0.061		0.829		0.0899		0.0392		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/8/2014	0.179		1.31	D	0.272		0.145		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.0148	J	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-9	9/1/2001	0.770		5.01		0.82		0.42			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NL
	3/25/2013		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL
	6/5/2013		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL
	9/4/2013		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL
	12/3/2013		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL
	3/25/2014		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL
	9/4/2014		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL		NL
MW-10	4/1/2002	1.900		9		3.7		0.86			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	6/3/2002	1.500	J	8.8	J	1.8	J	0.7	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U	0.5	U	0.5	U		NM	2	U
	4/14/2008	2.000		5.4		0.95		0.89		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	1.450		6.9		1.8		0.564		0.505	U	0.505	U	0.505	U	0.505	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	1.01	U	5.05	U	1.01	U	0.505	U	0.505	U	1.01	U	50.5	U
	7/12/2011	1.200		13		2.1		0.53		0.521	U	0.521	U	0.521	U	0.521	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	5.21	U	1.04	U	0.521	U	0.521	U	1.04	U	52.1	U
	4/5/2012	1.360		9		1.2	UBL	0.534		0.51	U	0.51	U	0.51	U	0.51	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	5.1	U	5.1	U	1.02	U	51	U
	11/21/2012	0.710		6.8	*	0.46	J*	0.35		0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0095	U	0.0095	U	0.0048	U	0.0095	U	0.0095	U	0.0095	U	0.0095	U	0.0095	U	0.0048	U	0.0048	U	0.0095	U	0.95	U
	3/27/2013	0.899		6.76		0.683		0.38		0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.427		5.79		0.372		0.181		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	0.650		8.6	D	0.511		0.307		0.346		0.0026	U	0.00280	U	0.00240	U	0.00961	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	3.120		8.43	D	2.71		1.45		0.064	U	0.051	U	0.04150	U	0.03950	U	0.00725	J	0.0405	U	0.05650	U	0.04500	U	0.04150	U	0.04850	U	0.05600	U	0.0525	U	0.04050	U	0.03500	U	0.04050	U	0.03600	U	0.025	U
	3/26/2014	0.315		0.00235	U	0.289		0.147		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	0.443		7.62	D	0.489		0.189		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-11	4/1/2002	0.100	U	0.1	U	0.1	U	0.1	U		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	4/16/2008	0.010	U	0.024	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	0.050	U	0.072		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/6/2012	0.051	U	0.03	UBL	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.51	U	0.51	U	0.102	U	5.1	U
	3/28/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/4/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.008	U	0.00714	U	0.00735	U	0.00714	U	0.01310	U	0.0104	U	0.00847	U	0.00806	U	0.000459	U	0.00827	U	0.01150	U	0.00918	U	0.00847	U	0.00990	U	0.01140	U	0.0107	U	0.00827	U	0.00714	U	0.00827	U	0.00735	U	0.0051	U
	3/25/2014	0.003	U	0.027		0.00133	U	0.00171	U	0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.001510	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/3/2014	0.0101	U	0.0181	J	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-12	4/1/2002	0.390		1.3		0.43		0.18			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM
	6/1/2002	0.400		1.4		0.3		0.1			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		U
	4/15/2008	0.034		0.44		0.022	J	0.024	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	7/14/2011	0.026	J	0.663		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/5/2012	0.017	J	0.750		0.027	J	0.012	J	0.052	U	0.052	U	0.052	U	0.052	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.515	U	0.103	U	0.052	U	0.052	U	0.103	U	5.15	U
	11/20/2012	0.013	J	0.710		0.01	J	0.0094	J	0.005	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	0.002	U	0.359		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.037	J	0.633		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.015	J	0.847		0.002	U	0.00783	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.077	U	0.601		0.075	U	0.0729	U	0.13300	U	0.106	U	0.08650	U	0.08230	U	0.00469	U	0.0844	U	0.11800	U	0.09380	U	0.08650	U	0.10100	U	0.11700	U	0.109	U	0.08440	U	0.07290	U	0.08440	U	0.07500	U	0.0521	U
	3/26/2014	0.010		0.539		0.00532		0.0138		0.00556	U	0.00326	U	0.00144	U	0.00100	U	0.00151	U	0.00604	U	0.00146	U	0.00177	U	0.00301	U	0.00116	U	0.03470	U	0.00178	U	0.00344	U	0.00489	U	0.00329	U	0.00143	U	0.0769	NM
	9/2/2014	0.0227	J	0.660		0.0093	J	0.0107	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U

Table 3-4: Groundwater Pesticides Data Summary

Well ID	Test Method SW-846 8081B	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
	Unit	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	Site-Specific RRS Values	0.5		1.6		0.1		2.6				0.2								8.4						12				8.4															
	Type RRS	4		4		4		4				4								4						4				4															
Well ID	Sample Date																																												
MW-13	4/1/2002	**0.260**		**8**		**0.6**		**0.16**			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
	6/1/2002	**0.400**		**11**		**1.4**		**0.5**			NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	U
	4/14/2008	**0.059**		**9**		**0.12**		0.045	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.5	U
	8/4/2009	**0.120**	J	**11**		**0.63**	J	1.01	U	1.01	U	**1.01**	U	1.01	U	1.01	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	2.02	U	10.1	U	2.02	U	1.01	U	1.01000	U	2.02	U	101	U
	3/27/2013	0.002	U	**3.37**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	DRY
	6/5/2013		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	U
	9/5/2013	**0.052**		**6.36**	D	0.0849		0.0307	J	**0.454**		0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	DRY
	12/4/2013		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	U
	3/26/2014	**0.022**		**4**		**0.032**		**0.0571**		0.0107	U	0.00627	U	0.00276	U	0.00193	U	0.00290	U	0.0116	U	0.00280	U	0.00193	U	0.00579	U	0.00224	U	0.06670	U	0.00343	U	0.00661	U	0.00941	U	0.00633	U	0.00274	U	0.148	U
	9/2/2014	0.0319	J	**3.87**	D	**0.0782**		**0.0517**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-14	4/10/2003	**0.200**		**0.1**		**0.1**	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U		NM		NM		NM	2.0	U
	4/14/2008	0.010	U	**0.18**		0.004	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/4/2009	0.051	U	0.028	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.510	U	0.102	U	0.051	U	0.051	U	0.102	U	5.10	U
	7/12/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.505	U	0.102	U	0.051	U	0.051	U	0.102	U	5.10	U
	4/4/2012	0.051	U	0.011	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051 U	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	3/26/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	0.076	U	0.0718	U	0.0738	U	0.0718	U	0.13100	U	0.105	U	0.08510	U	0.08100	U	0.00462	U	0.0831	U	0.11600	U	0.09230	U	0.08510	U	0.09950	U	0.11500	U	0.108	U	0.08310	U	0.07180	U	0.08310	U	0.07380	U	0.0513	U
	3/25/2014	0.003	U	**0.243**		0.00134	U	**0.00702**		0.00562	U	0.00329	U	0.00145	U	0.00101	U	0.00153	U	0.0061	U	0.00147	U	0.00179	U	0.00304	U	0.00117	U	0.03500	U	0.0018	U	0.00347	U	0.00494	U	0.00333	U	0.00144	U	0.0777	U
	9/4/2014	0.0101	U	0.311		0.002	U	0.0025	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-15	4/10/2003	**6.800**		**1.1**		**0.7**		**1.3**		0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U		NM		NM		NM	2.0	U
	4/16/2008	**0.058**		**0.37**		0.007	J	0.042	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	**0.103**		**0.565**		0.01	J	**0.067**		0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	4/5/2012	0.041	J	**0.47**		0.00706	UBL	0.051	U	**0.066**	J	0.051	U	0.051	U	**0.013**	J	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	3/25/2013	**0.080**		**0.347**		0.0009	U	0.0418	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	DRY
	6/5/2013		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	U
	9/4/2013	**0.057**		**0.221**		0.002	U	0.0245	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	DRY
	12/3/2013		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY		DRY	U
	3/26/2014	**0.041**		**0.317**		0.00135	U	**0.0458**		0.00568	U	0.00333	U	0.00147	U	0.00102	U	0.00154	U	0.00616	U	0.00149	U	0.00181	U	0.00307	U	0.00119	U	0.03540	U	0.00182	U	0.00351	U	0.00499	U	0.00336	U	0.00146	U	0.0785	U
	9/5/2014	**0.139**		**0.587**		0.0174	J	**0.0865**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-16	4/10/2003	**11.400**		**0.9**		**0.9**		**2.3**		0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.2	U	0.2	U	0.5	U	0.2	U	0.5	U	0.2	U	0.3	U	0.2	U		NM		NM		NM	2.0	U
	4/16/2008	0.010	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.51	U
	8/5/2009	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	7/11/2011	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	4/5/2012	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.115	U	0.575	U	0.115	U	0.575	U	0.575	U	0.115	U	5.75	U
	3/27/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	**0.204**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.076	U	0.0722	U	0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/26/2014	0.031	U	0.0235	U	0.0133	U	0.0489	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/3/2014	0.0101	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
MW-17	4/16/2008	0.010	U	**0.25**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.51**	U
	8/4/2009	0.017	J	**0.37**		**0.36**		0.011	J	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.101	U	0.051	U	0.101	U	5.05	U
	7/13/2011	0.051	U	**0.42**		0.051	U	0.0053	J	0.051	U	0.051	U	0.051	U	0.051	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.102	U	0.51	U	0.102	U	0.051	U	0.051	U	0.102	U	5.1	U
	4/6/2012	0.051	U	0.013	UBL	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.101	U	0.051	U	0.101	U	5.05	U
	11/20/2012	0.010	J	**0.37**		0.032	J	0.011	J	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0097	U	0.0097	U	0.0049	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0097	U	0.0049	U	0.0049	U	0.0097	U	0.97	U
	3/26/2013	0.002	U	**0.3**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/5/2013	0.002	U	**0.388**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	**0.39**		0.0162	J	0.00748	J	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	**0.00588**	J	0.00450	U	0.423	U
	12/4/2013	0.077	U	**0.264**		0.0746	U	0.0725	U	0.13300	U	0.106	U	0.08600	U	0.08190	U	0.00466	U	0.0839	U	0.11700	U	0.09330	U	0.08600	U	0.10100	U	0.11600	U	0.109	U	0.08390	U	0.07250	U	0.08390	U	0.07460	U	0.0518	U
	3/27/2014	0.031	U	**0.159**		0.0133	U	0.0171	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/2/2014	0.010	U	**0.218**		0.0105	J	0.00287	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-18	8/6/2009	0.051	U	**0.375**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	7/15/2011	0.050	U	**0.23**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.100 U	U	0.1	U	0.5	U	0.1	U	0.05	U	0.05	U	0.1	U	5	U
	4/5/2012	0.052	U	**0.4**		0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	**0.025**	J	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.103	U	0.515	U	0.103	U	0.052	U	0.052	U	0.103	U	5.15	U
	3/25/2013	0.033	J	**0.882**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	**0.472**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	0.409	J	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.00680**	J	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.076	U	**0.463**		0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/26/2014	0.030	U	**0.356**		0.0127	U	0.0164	U	0.05350	U	0.0313	U	0.01380	U	0.00963	U	0.01450	U	0.0581	U	0.01400	U	0.01700	U	0.02890	U	0.01120	U	0.33300	U	0.0171	U	0.03310	U	0.04700	U	0.48100	U	0.01370	U	0.74	U
	9/4/2014	0.010	U	**0.102**		0.00198	U	0.00327	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	UX	0.00218	U	0.00446	U	0.419	U
MW-19	8/6/2009	0.009	J	**0.113**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.012**	J	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	4/5/2012	0.051	U	0.036	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.08**		0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.101	U	0.505	U	0.101	U	0.051	U	0.051	U	0.101	U	5.05	U
	3/25/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	0.0015	U	0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/4/2013	0.010	U	0.0023	U	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/3/2013	0.076	U	0.0718	U	0.0738	U	0.0718	U	0.13100	U	0.105	U	0.08510	U	0.08100	U	0.00462	U	0.0831	U	0.11600	U	0.09230	U	0.08510	U	0.09950	U	0.11500	U	0.108	U	0.08310	U	0.07180	U	0.08310	U	0.07380	U	0.0513	U
	3/27/2014	0.003	U	**0.074**		0.0013	U	**0.0109**		0.00545	U	0.0032	U	0.00141	U	0.00098	U	0.00148	U	0.00592	U	0.00143	U	0.00174	U	0.00295	U	0.00114	U	0.03400	U	0.00175	U	0.00337	U	0.00480	U	0.00323	U	0.00140	U	0.0754	U
	9/4/2014	0.010	U	**0.0762**		0.00515	J	0.00891	J	0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	.,00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U

Table 3-4: Groundwater Pesticides Data Summary

Well ID	Test Method / Sample Date	alpha-BHC		beta-BHC		delta-BHC		gamma-BHC (Lindane)		Heptachlor		Aldrin		Heptachlor epoxide		Endosulfan I		Dieldrin		4,4'-DDE		Endrin		Endosulfan II		4,4'-DDD		Endosulfan sulfate		4,4'-DDT		Methoxychlor		Endrin aldehyde		gamma-Chlordane		alpha-Chlordane		Endrin ketone		Toxaphene	
	Unit	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	Site-Specific RRS Values	0.5		1.6		0.1		2.6				0.2								8.4						12				8.4													
	Type RRS	4		4		4		4				4								4						4				4													
MW-20	8/6/2009	**2.500**	U	**25.7**		**2.5**	U	2.5	U	2.5	U	**2.5**	U	2.5	U	2.5	U	5.00	U	5	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	25	U	5.00	U	2.5	U	2.5	U	5.00	U	250	U
	7/12/2011	0.460	J	**16**		**5.9**		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	0.051	U	0.051	U	1.02	U	51	U
	4/5/2012	0.204	J	**10.4**		**2.4**	UBL	0.076	J	0.532	U	**0.532**	U	0.532	U	0.532	U	1.06	U	1.06	U	1.06	U	1.06	U	1.06	U	**0.103**	J	1.06	U	0.532	U	1.06	U	0.532	U	0.532	U	1.06	U	53.2	U
	11/21/2012	0.005	U	**1.9**	*	0.0048	U	0.0057	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0096	U	0.0096	U	0.0048	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0048	U	0.0048	U	0.0096	U	0.96	U
	3/27/2013	**0.079**		**5.48**		**0.392**		0.0336	J	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.033	J	**4.15**		**0.158**		0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	0.010	U	**2.21**	D	0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.153	U	**27.7**		**0.148**	U	0.144	U	0.26400	U	**0.21**	U	0.17100	U	0.16300	U	**0.01880**	J	0.167	U	0.23300	U	0.18600	U	0.17100	U	0.20000	U	0.23100	U	0.216	U	0.16700	U	0.14400	U	0.16700	U	0.14800	U	0.103	U
	3/27/2014	0.031	U	**2.64**		**0.0229**		0.0169	U	0.05510	U	0.0323	U	0.01420	U	0.00991	U	0.01500	U	0.0598	U	0.01440	U	0.01750	U	0.02980	U	0.01150	U	0.34300	U	0.0176	U	0.03410	U	0.04840	U	0.03260	U	0.01410	U	0.762	U
	9/3/2014	**0.0803**		**12.4**	D	**0.469**		**0.074**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.004260	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-21	8/6/2009	**0.576**		**7.46**		**0.5**	U	0.35	J	0.5	U	**0.5**	U	0.5	U	0.5	U	1.0	U	1	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.00	U	0.5	U	0.5	U	1.00	U	50	U
	7/12/2011	0.210	J	**5.8**		**0.42**	J	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	1.02	U	5.1	U	1.02	U	0.051	U	0.051	U	1.02	U	51	U
	4/5/2012	0.115	U	**1.9**		0.05	UBL	0.021	J	0.115	U	0.115	U	**0.01**	J	0.115	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	1.15	U	0.23	U	0.115	U	0.115	U	0.23	U	11.5	U
	11/21/2012	**0.130**		**6.6**	*	**0.46**	J*	**0.051**		0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0048	U	0.0096	U	0.0096	U	0.0048	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0096	U	0.0048	U	0.0048	U	0.0096	U	0.96	U
	3/27/2013	0.002	U	**0.44**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	0.002	U	**0.414**		0.0009	U	0.0007	U	0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/3/2013	0.010	U	**0.286**		0.002	U	0.0016	U	0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/4/2013	0.076	U	**2.53**		0.0742	U	0.0722	U	0.13200	U	0.105	U	0.08560	U	0.08140	U	0.00464	U	0.0835	U	0.11600	U	0.09280	U	0.08560	U	0.10000	U	0.11500	U	0.108	U	0.08350	U	0.07220	U	0.08350	U	0.07420	U	0.0515	U
	3/27/2014	0.031	U	**0.856**		0.0133	U	0.0171	U	0.05560	U	0.0326	U	0.01440	U	0.01000	U	0.01510	U	0.0604	U	0.01460	U	0.01770	U	0.03010	U	0.01160	U	0.34700	U	0.0178	U	0.03440	U	0.04890	U	0.03290	U	0.01430	U	0.769	U
	9/5/2014	**0.359**		**5.52**	D	**0.574**		**0.280**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-22	4/5/2012	**1.520**	J	**33.2**		**6.4**	UBL	0.705	J	2.53	U	**2.53**	U	2.53	U	2.53	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	5.05	U	25.3	U	5.05	U	5.05	U	2.53	U	5.05	U	253	
	11/20/2012	**1.300**	*	**24.4**	**	**2.6**	*	**0.54**		0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0049	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0049	U	0.0049	U	0.0098	U	**3.7**	U
	3/27/2013	**1.090**		**18.8**		**0.818**		**0.776**		0.0019	U	0.002	U	0.0007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	0.0022	U	0.0015	U	0.0011	U	0.0013	U	0.215	U
	6/6/2013	**0.833**		**31.7**		**1.79**		**0.446**		0.0019	U	0.002	U	0.007	U	0.002	U	0.001	U	0.0032	U	0.0014	U	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.01	U	**0.0022**		0.0015	U	0.0011	U	0.0013	U	0.215	U
	9/5/2013	**1.100**	D	**33.7**	DX	**0.725**		**0.382**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	**0.0521**	J	0.0035	U	**0.0637**	J	0.00450	U	**0.0388**	J	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U
	12/5/2013	**0.999**		**37.4**	X	**1.39**		**0.489**		0.2610	U	**0.208**	U	0.1690	U	0.1610	U	**0.03040**	J	0.165	U	0.2310	U	0.1840	U	0.1690	U	0.1980	U	0.2290	U	0.2140	U	0.1650	U	0.1430	U	0.1650	U	0.1470	U	0.1020	U
	3/27/2014	**0.284**		**14.3**		**0.212**		**0.166**		0.0535	U	0.0313	U	0.0138	U	0.0096	U	0.01450	U	0.0581	U	0.0140	U	0.0170	U	0.0289	U	0.0112	U	0.3330	U	0.0171	U	0.0331	U	0.0470	U	0.0317	U	0.0137	U	0.7400	
	9/5/2014*[4]	**1.01**	D	**37.098**	D	**22.4**	D	**0.365**		0.00287	U	0.00257	U	0.00277	U	0.00238	U	0.00426	U	0.00347	U	0.00455	U	0.00446	U	0.00366	U	0.00693	U	0.00485	U	0.0285	U	0.00851	U	0.00178	U	0.00218	U	0.00446	U	0.419	U
MW-23	9/5/2014	0.0227	J	**5.17**	D	0.0174	J	**0.0517**		0.00290	U	0.0026	U	0.00280	U	0.00240	U	0.00430	U	0.0035	U	0.00460	U	0.00450	U	0.00370	U	0.00700	U	0.00490	U	0.0288	U	0.00860	U	0.00180	U	0.00220	U	0.00450	U	0.423	U

Sources: Analytical results from March 2013 to March 2014 are from samples directly collected by EIC. Historical data prior to March 2013 from CH2MHill 2008, 2009, and 2012 Groundwater Reports and Law Engineering 2001-2003 Compliance Status Reports and Addendums

Notes:

In response to EPD's comment letter on November 2, 2012 to GPA, item number 7, EIC has removed the superfluous J-flags which the laboratory did not flag, where necessary for the results in the April 2012 beta-BHC detections.

In response to EPD's comment letter on July 2, 2014 to GPA, item number 5 (EPD 2014), EIC has researched and added historical data for MW-13

MNA = Monitored Natural Attenuation.
RRS = Risk Reduction Standard.
TOC = Total Organic Carbon.
ug/L = Micrograms per liter.
mg/L = Milligrams per liter.
NA = Not Applicable.
18.8 = Results exceeds RRS.

1.60 = Results above detection limit.
J = Target analyte concentration was positively identified below the quantitation limit and above the detection limit.
U = Analyte was not detected.
UBL = Value not certain because of detection in equipment blank.
D = The sample was diluted due to targets detected over the highest point of the calibration curve
X = A laboratory QC deficiency was observed in quality control review of data

NL = Well not located
NS = Well not sampled
NM = Contaminant not measured.
DRY = Well was dry and therefore could not be sampled
*= Results from Run #2.
**= Results from Run #3.
***= Primary and confirmation results differ by more than 40%. Lower value reported due to possible correlation.
*[4] = Result for beta-BHC was adjusted based on tubing rinsate sample, see Xenco lab report number 49280

Table 4-1: Well Repairs Summary

Well ID	Type	Previous Well Issues	Tasks Completed
MW-1	Stick-up	Missing padlock for outer casing. Hinges on outer casing cap rusted. Well locking cap degraded and could not be tightened.	Installed new locking compression cap and new weather-resistant padlock on cap. Outer casing cap repaired.
MW-1A	Stick-up	Missinng pad lock for outer casing.	Installed new locking compression cap on outer casing.
MW-2	Stick-up	Missing padlock for outer casing. Locking cap was loose.	Installed new locking compression cap on outer casing.
MW-3	Stick-up	Missing padlock for outer casing	
MW-4U	Stick-up	Missing padlock for outer casing. Padlock on well cap missing key.	Cut old lock off locking cap and replaced it.
MW-5A	Flush-to-Grade	None	N/A
MW-5D	Flush-to-Grade	Concrete pad was damaged and heavily cracked. Well vault dislodged from concrete, well locking cap was damaged. The well casing was in good condition.	Installed new concrete pad, well vault, locking well cap, and padlock. New well vault has 3 Teflon washers, 3 weather-resistant metal washers, 3 stainless steel bolts, and new vault lid O-ring.
MW-6	Flush-to-Grade	Missing one vault bolt.	Installed new O-ring, padlock, and one stainless steel vault bolt. New vault bolt was installed with 1 Teflon and 1 weather-resistant metal washer.
MW-7	Flush-to-Grade	Well locking cap was loose.	Installed 2 new stainless steel bolts, 2 new Teflon washers, new locking well cap, and new padlock.
MW-8	Flush-to-Grade	Vault lid was rusted and missing all bolts. Bolt threading was corroded.	Installed new well vault and concrete pad. New well vault includes 3 stainless steel bolts, 3 stainless steel/neoprene washers, 3 weather-resistant metal washers, and 1 new O-ring. Installed new locking compression cap.
MW-9	N.L.	Not located.	Not Applicable
MW-10	Flush-to-Grade	Concrete pad shifted against well casing. Part of PVC casing broken off	Installed new well vault and concrete pad. New well vault includes 3 stainless steel bolts, 3 Teflon washers, 3 weather-resistant metal washers, and 1 new O-ring. Installed new locking compression cap.
MW-11	Flush-to-Grade	O-ring degraded.	Installed new O-ring, and 3 Teflon washers.
MW-12	Flush-to-Grade	Vault lid rusted and missing all bolts. Vault flange damaged	Installed new well vault and concrete pad. New well vault includes 3 stainless steel bolts, 3 stainless steel/neoprene washers, 3 weather-resistant metal washers, and 1 new O-ring. Installed new locking compression cap.
MW-13	Flush-to-Grade	Approximately 6 feet of silt build-up in well.	Removed ~6 feet of silt buildup. Installed 1 new Teflon and 1 weather-resistant metal washer.
MW-14	Flush-to-Grade	Vault lid missing 2 bolts	Installed two new stainless steel bolts and three new teflon and weather resistant metal washers. Installed new padlock.
MW-15	Flush-to-Grade	Well concrete pad and vault were destroyed. PVC casing extended approximately 1/2 inch above the ground surface and was deformed. Locking well cap was missing. Grass and particles observed in well casing. Approximately 3 feet of silt build-up in well.	Removed ~ 1.5 feet of silt build-up. Installed new concrete pad and well vault. New well vault was installed. Cut ~7 inches of deformed pvc casing off and coupled ~7 inches of new pvc casing onto undamaged casing.
MW-16	Flush-to-Grade	Locking cap damaged.	Installed 3 new bolts, Teflon washers, and weather-resistant metal washers. Could not replace locking cap due to height restrictions

Table 4-1: Well Repairs Summary

Well ID	Type	Previous Well Issues	Tasks Completed
MW-17	Flush-to-Grade	Vault lid missing all bolts. Top ~1 foot of pvc well casing was crossthreaded and deformed.	Repaired well casing and installed 3 new stainless steel bolts, Teflon washers, and weather-resistant metal washers. Cleaned O-ring.
MW-18	Flush-to-Grade	Vault lid missing all bolts. Bolts corroded.	Installed new locking cap. Non standard bolts prevented replacement. Applied epoxy sealant in vault lid bolt holes to minimize surface water entering vault.
MW-19	Flush-to-Grade	Vault lid missing all bolts. Vault flange corroded.	Installed 3 new bolts, Teflon washers, weather-resistant metal washers, and locking cap
MW-20	Flush-to-Grade	Concrete pad was slightly cracked. Vault flange damaged.	Installed new well vault and concrete pad. New well vault includes 3 stainless steel bolts, 3 stainless steel/neoprene washers, 3 weather-resistant metal washers, and 1 new O-ring. Installed new locking compression cap.
MW-21	Flush-to-Grade	Vault lid missing one bolt.	Installed 1 new stainless steel bolt, 3 new Teflon washers, and O-ring
MW-22	Flush-to-Grade	None	Cleaned O-ring.

Notes:

All wells had new weather-resistant padlock installed on either their locking well cap or outer metal casing.

Table 5-1: Hydraulic Conductivity Summary

Well ID	Observation Date	Kr Value (cm/sec)	Average
MW-6	3/25/2014	2.257E-04	1.753E-04
	3/26/2014	1.602E-04	
	3/27/2014	1.400E-04	
MW-17	3/25/2014	1.566E-02	1.594E-02
	3/26/2014	1.749E-02	
	3/27/2014	1.468E-02	
MW-21	3/25/2014	6.572E-02	5.423E-02
	3/26/2014	6.195E-02	
	3/27/2014	3.502E-02	
		Site Average	2.345E-02

Note:

Kr values were calculated utilizing Aqtesolv Pro software with the Kansas Geologic Society (KGS) model. Three slug tests were conducted at each well from 3/25/14 to 3/27/14. A Kr value was derived for each individual test and then averaged.

Table 7-1: Maximum Concentration of Contaminants for the Toxicity Characteristics in Solid Waste

EPA HW No.1	Contaminant	CAS Number	Regulatory Level (mg/L)*	Drum #2,3,5,11,12,13 Composite Results (mg/L)
D020	Chlordane	57–74–9	0.03	<0.0009630, BDL
D012	Endrin	72–20–8	0.02	<0.0000460, BDL
D031	Heptachlor (and its epoxide)	76–44–8	0.008	<0.0000290, BDL
D013	Lindane	58–89–9	0.4	<0.0000160, BDL
D014	Methoxychlor	72–43–5	10	<0.0002880, BDL
D015	Toxaphene	8001–35–2	0.5	<0.0042300, BDL

Notes:

* = Regulatory levels for toxicity characteristics are from 40 CFR 261.24, 2006

HW = Hazardous Waste

mg/L = Milligrams per liter.

BDL = Below detection limit

Based on previous TCLP characterization at the site, only pesticide contaminants were detected at the site. Consequently, the sampled media was only analyzed for the above list of constituents.

Table 7-2: Summary of Historical Contaminant Concentrations in Liquid Waste				
EPA HW No.	**Contaminant**	**CAS Number**	**Regulatory Level (mg/L)***	**Maximum Concentrations Recorded from GW Purgewater**
D004	Arsenic	7440–38–2	5	
D005	Barium	7440–39–3	100	
D018	Benzene	71–43–2	0.5	
D006	Cadmium	7440–43–9	1	
D019	Carbon tetrachloride	56–23–5	0.5	
D020	Chlordane	57–74–9	0.03	0.0051
D021	Chlorobenzene	108–90–7	100	
D022	Chloroform	67–66–3	6	
D007	Chromium	7440–47–3	5	
D023	o-Cresol	95–48–7	4200	
D024	m-Cresol	108–39–4	4200	
D025	p-Cresol	106–44–5	4200	
D026	Cresol		4200	
D016	2,4-D	94–75–7	10	
D027	1,4-Dichlorobenzene	106–46–7	7.5	
D028	1,2-Dichloroethane	107–06–2	0.5	
D029	1,1-Dichloroethylene	75–35–4	0.7	
D030	2,4-Dinitrotoluene	121–14–2	30.13	
D012	Endrin	72–20–8	0.02	0.00505
D031	Heptachlor (and its epoxide)	76–44–8	0.008	0.00253
D032	Hexachlorobenzene	118–74–1	30.13	
D033	Hexachlorobutadiene	87–68–3	0.5	
D034	Hexachloroethane	67–72–1	3	
D008	Lead	7439–92–1	5	
D013	Lindane	58–89–9	0.4	0.00089
D009	Mercury	7439–97–6	0.2	
D014	Methoxychlor	72–43–5	10	0.0253
D035	Methyl ethyl ketone (Butanone)	78–93–3	200	
D036	Nitrobenzene	98–95–3	2	
D037	Pentrachlorophenol	87–86–5	100	
D038	Pyridine	110–86–1	35	
D010	Selenium	7782–49–2	1	
D011	Silver	7440–22–4	5	
D039	Tetrachloroethylene	127–18–4	0.7	
D015	Toxaphene	8001–35–2	0.5	0.253
D040	Trichloroethylene	79–01–6	0.5	
D041	2,4,5-Trichlorophenol	95–95–4	400	
D042	2,4,6-Trichlorophenol	88–06–2	2	
D017	2,4,5-TP (Silvex)	93–72–1	1	
D043	Vinyl chloride	75–01–4	0.2	

Notes:

* = Regulatory levels for toxicity characteristics are from 40 CFR 261.24, 2006

EPA = Environmental Protection Agency

HW = Hazardous Waste

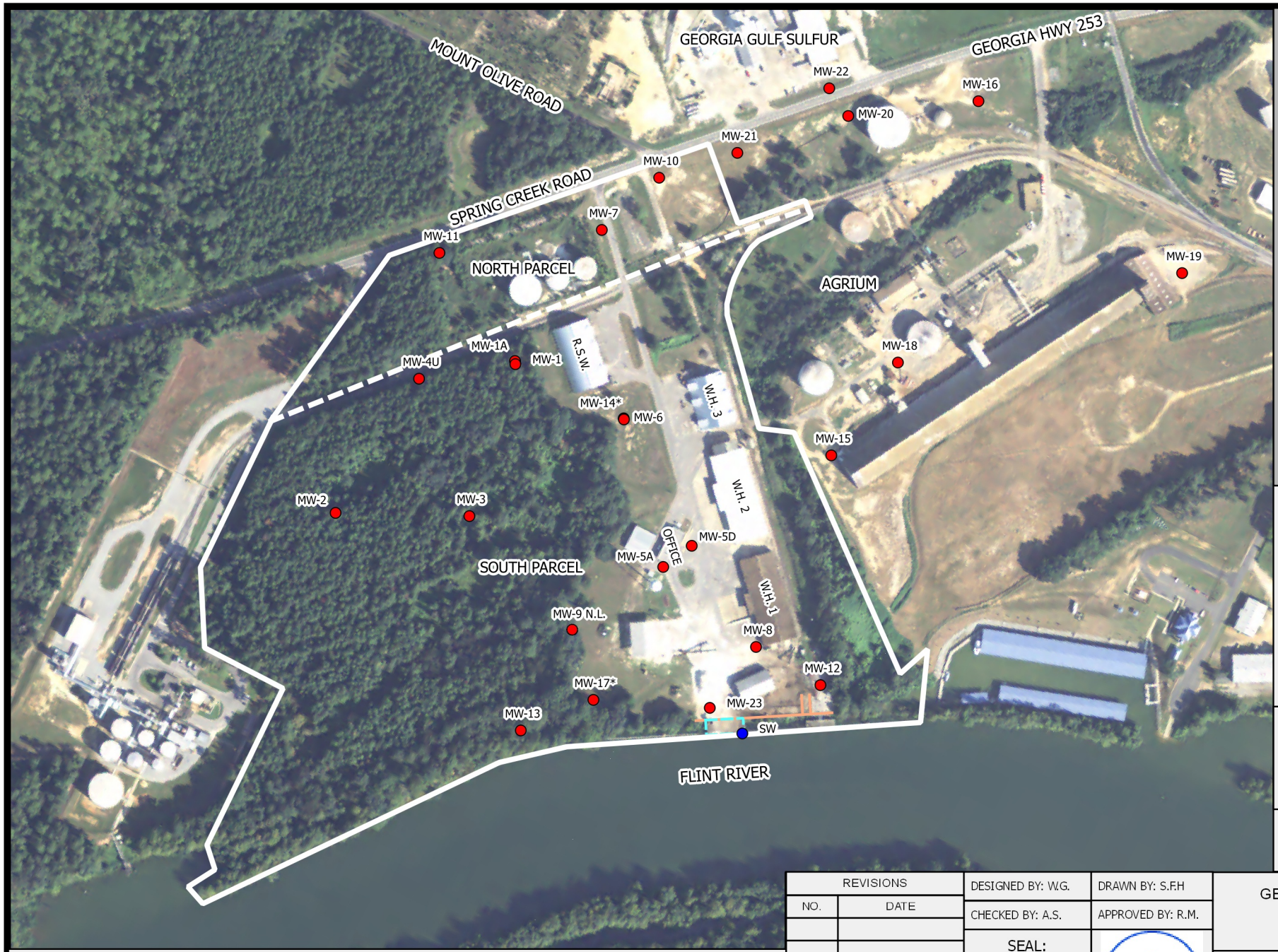
mg/L = Milligrams per liter.

BDL = Below detection limit

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

FIGURES



Legend

- MONITORING WELL LOCATION
- STILLING WELL LOCATION
- BAINBRIDGE PARCEL LINES
- NORTH AND SOUTH PARCEL DIVISION
- PIER
- BULKHEAD
- MW-19 MONITORING WELL ID
- N.L. NOT LOCATED
- * DEEP WELL (SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE)

W.H. 1 = WAREHOUSE 1
W.H. 2 = WAREHOUSE 2
W.H. 3 = WAREHOUSE 3
R.S.W. = ROCK SATL WAREHOUSE

NOTES:
ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE BEEN REMOVED.

MW-23 INSTALLED APRIL 2014
STILLING WELL INSTALLED MARCH 2014

SOURCES:
Background Aerial map provided by United States Geological Survey (USGS) 2010. Property lines provided by Georgia Ports Authority. Well locations plotted from multiple surveys on site.

N

100 0 100 200 300 ft

FIGURE 3-1: SITE MAP

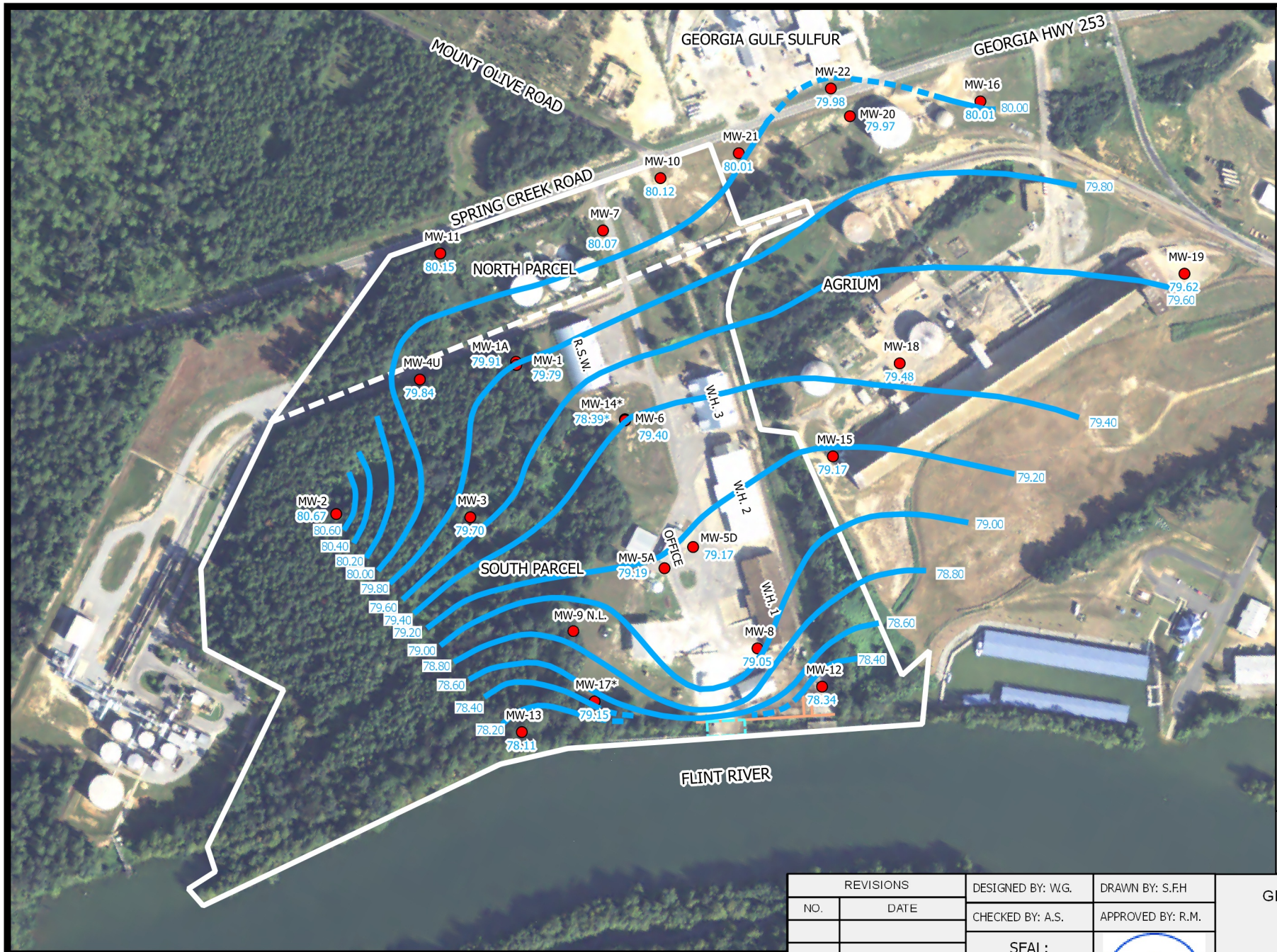
REVISIONS	
NO.	DATE

DESIGNED BY: W.G. | DRAWN BY: S.F.H
CHECKED BY: A.S. | APPROVED BY: R.M.
SEAL:

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

Scale: SEE BAR | Date: 09/23/2014 | File: 400007 - 4.5 - GPA BAINBRIDGE | SHEET NO.: 1



LEGEND

MARCH GROUNDWATER

- GROUNDWATER CONTOURS
- ESTIMATED CONTOUR
- MONITORING WELL LOCATION
- BANBRIDGE PARCEL LINES
- NORTH AND SOUTH PARCEL DIVISION
- PIER
- BULKHEAD
- 79.40 — GROUNDWATER ELEVATION (FEET, NAVD88)
- MW-19 — MONITORING WELL ID
- N.L. — NOT LOCATED
- * — GROUNDWATER ELEVATION NOT CONSIDERED FOR WELL SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE

W.H. 1 = WAREHOUSE 1
W.H. 2 = WAREHOUSE 2
W.H. 3 = WAREHOUSE 3
R.S.W. = ROCK SATL WAREHOUSE

NOTES:

CONTOUR INTERVAL = 0.2 FEET
ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:

BACKGROUND AERIAL MAP PROVIDED BY UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY. WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS ON SITE.

N

100 0 100 200 300 ft

FIGURE 3-2: GROUNDWATER POTENTIOMETRIC SURFACE MAP (MARCH 2014)

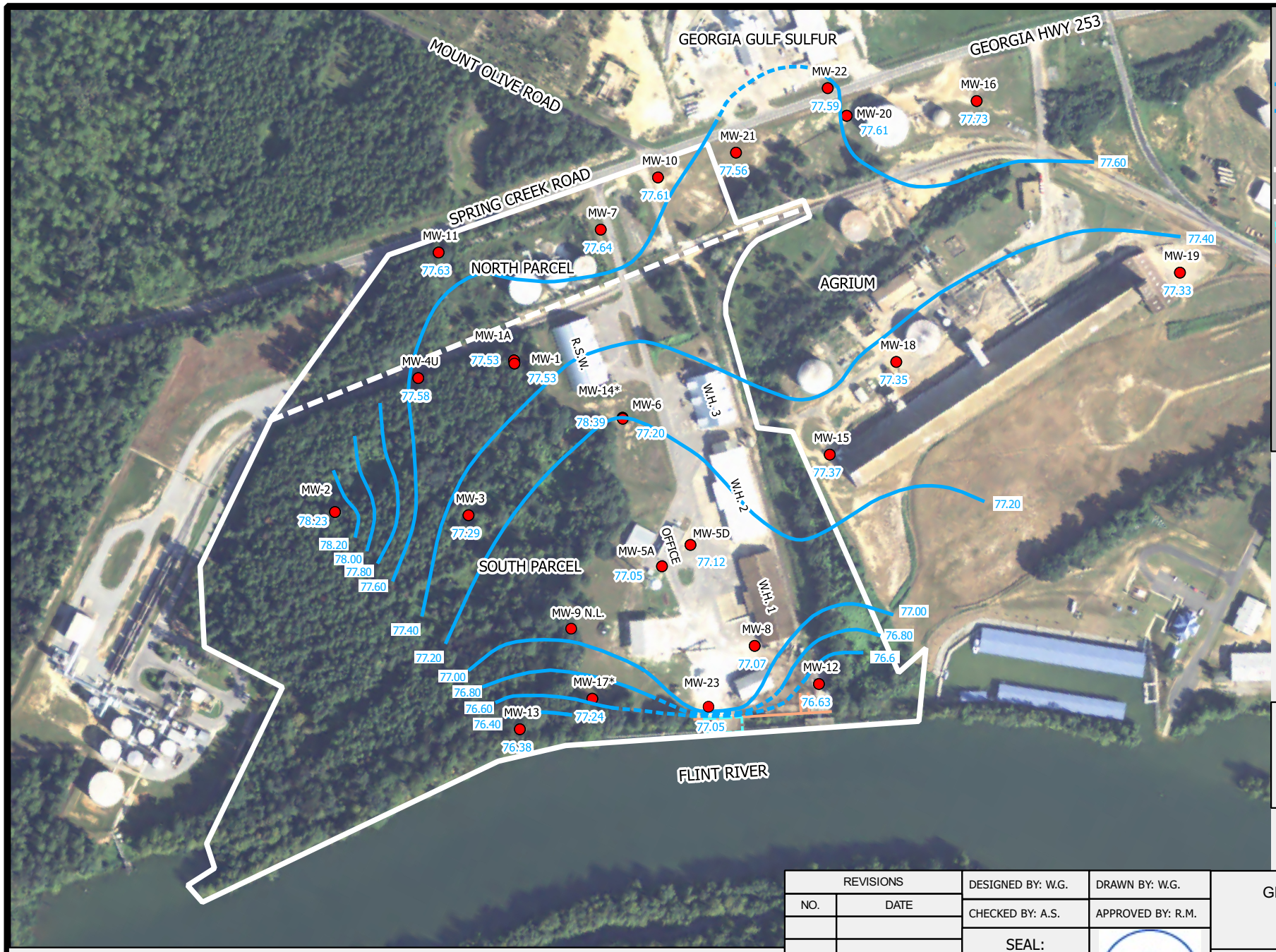
REVISIONS	
NO.	DATE

DESIGNED BY: W.G.	DRAWN BY: S.F.H
CHECKED BY: A.S.	APPROVED BY: R.M.
SEAL:	EIC
Scale: SEE BAR	Date: 10/28/2014

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

File: 400007 - 4.5 - GPA BAINBRIDGE | SHEET NO.: 1



LEGEND

SEPTEMBER GROUNDWATER

- GROUNDWATER CONTOURS
- ESTIMATED CONTOURS
- MONITORING WELL LOCATION
- BAINBRIDGE PARCEL LINES
- NORTH AND SOUTH PARCEL DIVISION
- PIER
- BULKHEAD

79.40	GROUNDWATER ELEVATION (FEET, NAVD88)
MW-19	MONITORING WELL ID
N.L.	NOT LOCATED
*	GROUNDWATER ELEVATION NOT CONSIDERED FOR WELL SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE

W.H. 1 = WAREHOUSE 1
W.H. 2 = WAREHOUSE 2
W.H. 3 = WAREHOUSE 3
R.S.W. = ROCK SATL WAREHOUSE

NOTES:

CONTOUR INTERVAL = 0.2 FEET
ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY. WELL LOCATIONS PLOTTED FROM MULTIPLE SURVEYS ON SITE.

N

100 0 100 200 300 ft

FIGURE 3-3: GROUNDWATER POTENTIOMETRIC SURFACE MAP (SEPTEMBER 2014)

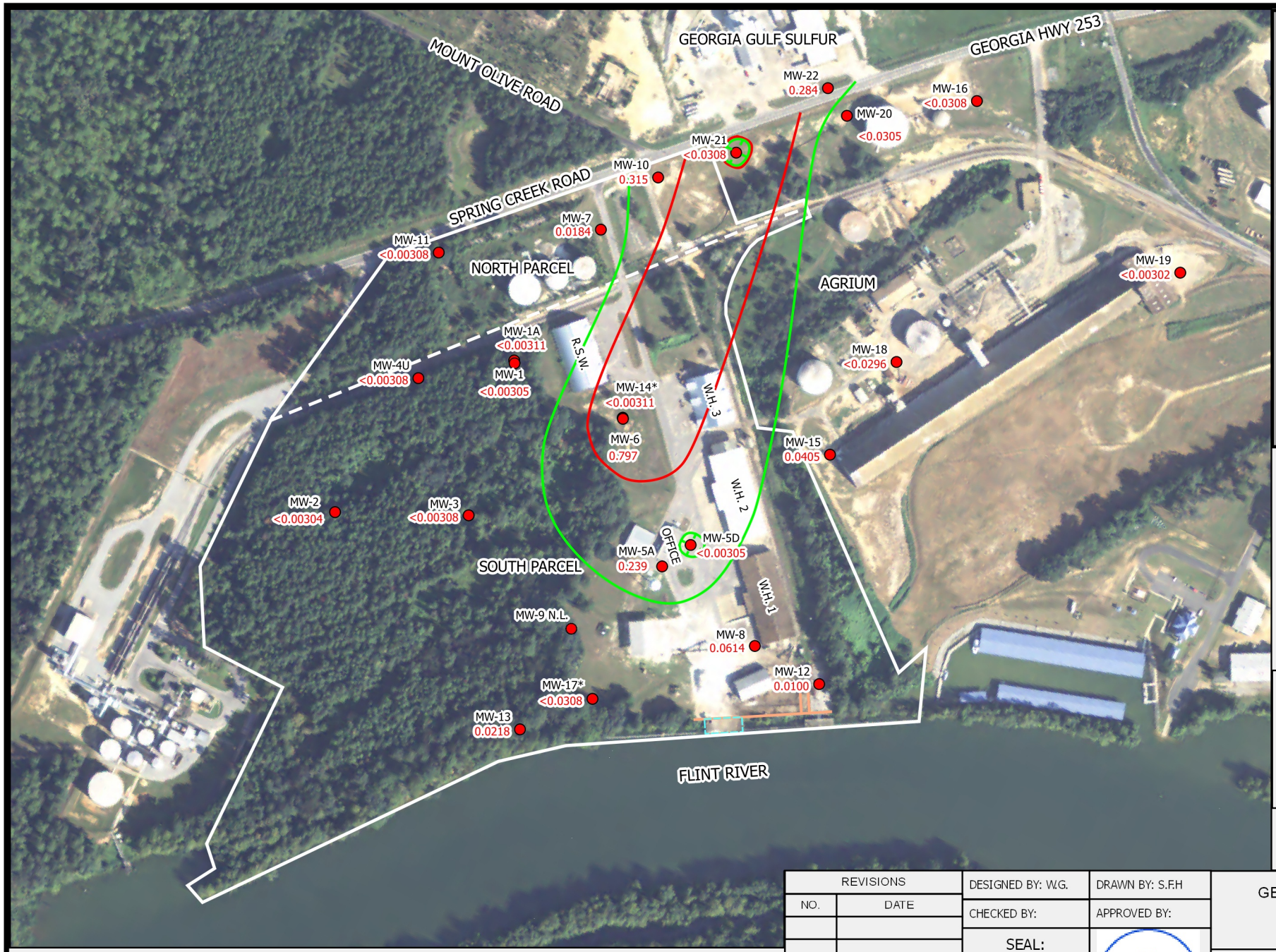
REVISIONS	
NO.	DATE

DESIGNED BY: W.G.	DRAWN BY: W.G.
CHECKED BY: A.S.	APPROVED BY: R.M.
SEAL:	EIC
Scale: SEE BAR	Date: 10/28/2014

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

File: 400007 - 4.5 - GPA BAINBRIDGE | SHEET NO.: 1



LEGEND

MARCH ALPHA BHC

- TYPE 4 RRS LIMIT 0.5 ug/L
- DELINEATION STANDARD 0.1 ug/L
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD
- MW-19 MONITORING WELL ID
- N.L. NOT LOCATED
- 1.16 BHC CONCENTRATION
- * BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

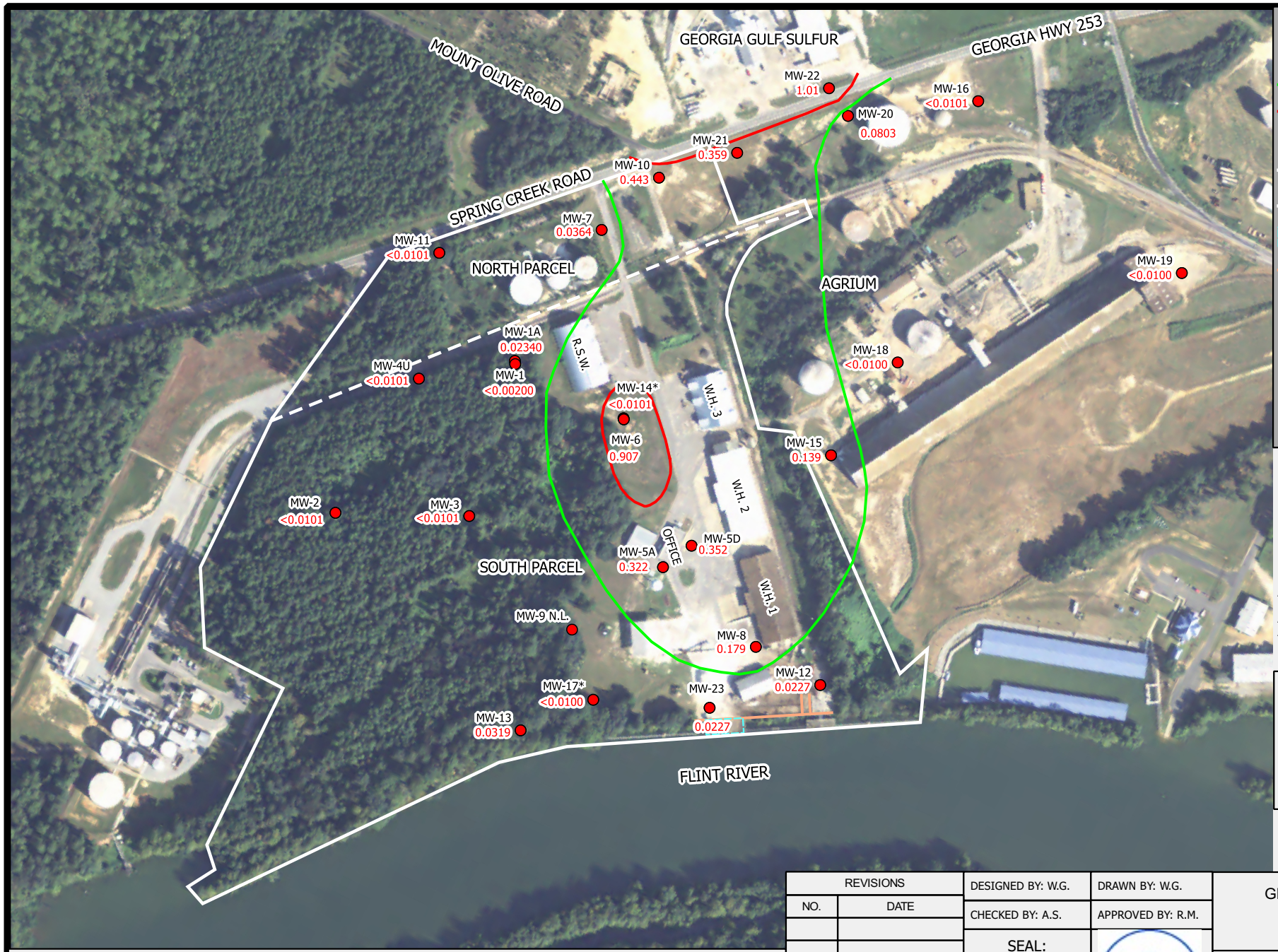
WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 3-4: ALPHA BHC ISOCONCENTRATION CONTOUR MAP (MARCH 2014)

REVISIONS		DESIGNED BY: W.G.	DRAWN BY: S.F.H	GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE, GEORGIA
NO.	DATE	CHECKED BY:	APPROVED BY:	
		SEAL:	EIC	ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009
		Scale: SEE BAR	Date: 09/15/2014	File: 400007 - 4.5 - GPA Bainbridge / SHEET NO.: 1



LEGEND

SEPTEMBER ALPHA BHC

- TYPE 4 RRS LIMIT 0.5 µg/L
- DELINEATION STANDARD 0.1 µg/L
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD

MW-19 MONITORING WELL ID

N.L. NOT LOCATED

1.16 BHC CONCENTRATION

* BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 3-5: ALPHA BHC ISOCONCENTRATION CONTOUR MAP (SEPTEMBER 2014)

REVISIONS	
NO.	DATE

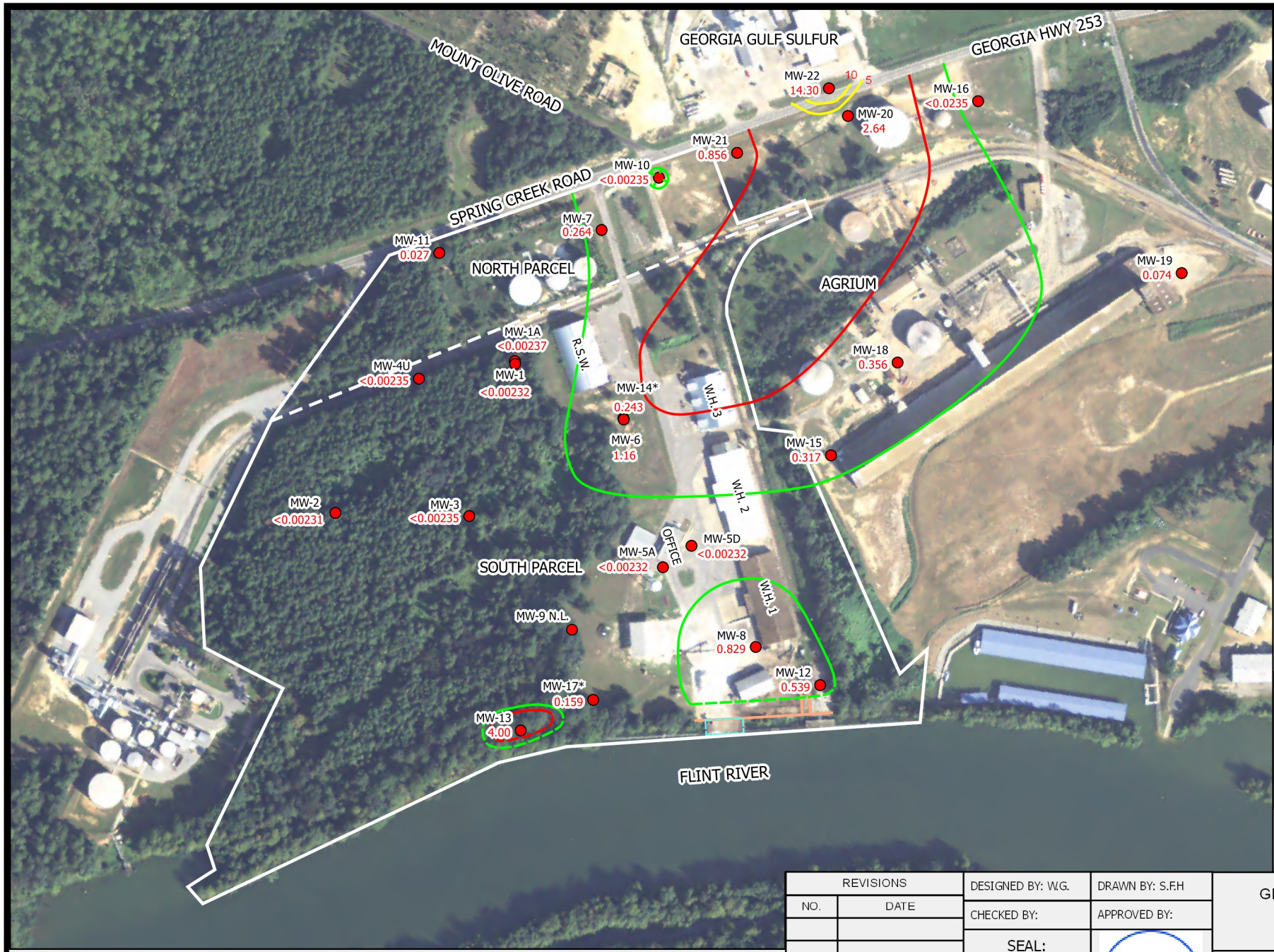
DESIGNED BY: W.G. | DRAWN BY: W.G.
CHECKED BY: A.S. | APPROVED BY: R.M.

SEAL:

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

Scale: SEE BAR | Date: 10/23/2014 | File: 400007 - 4.5 - GPA Bainbridge | SHEET NO.: 1



LEGEND

MARCH BETA BHC

- TYPE 4 RRS LIMIT 1.6 ug/L
- DELINEATION STANDARD 0.1 ug/L
- BETA BHC CONTOURS
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD
- MW-19 MONITORING WELL ID
- N.L. NOT LOCATED
- 1.16 BHC CONCENTRATION
- * BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

CONTOUR INTERVAL = 5 ug/L

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 3-6 BETA BHC ISOCONCENTRATION CONTOUR MAP (MARCH 2014)

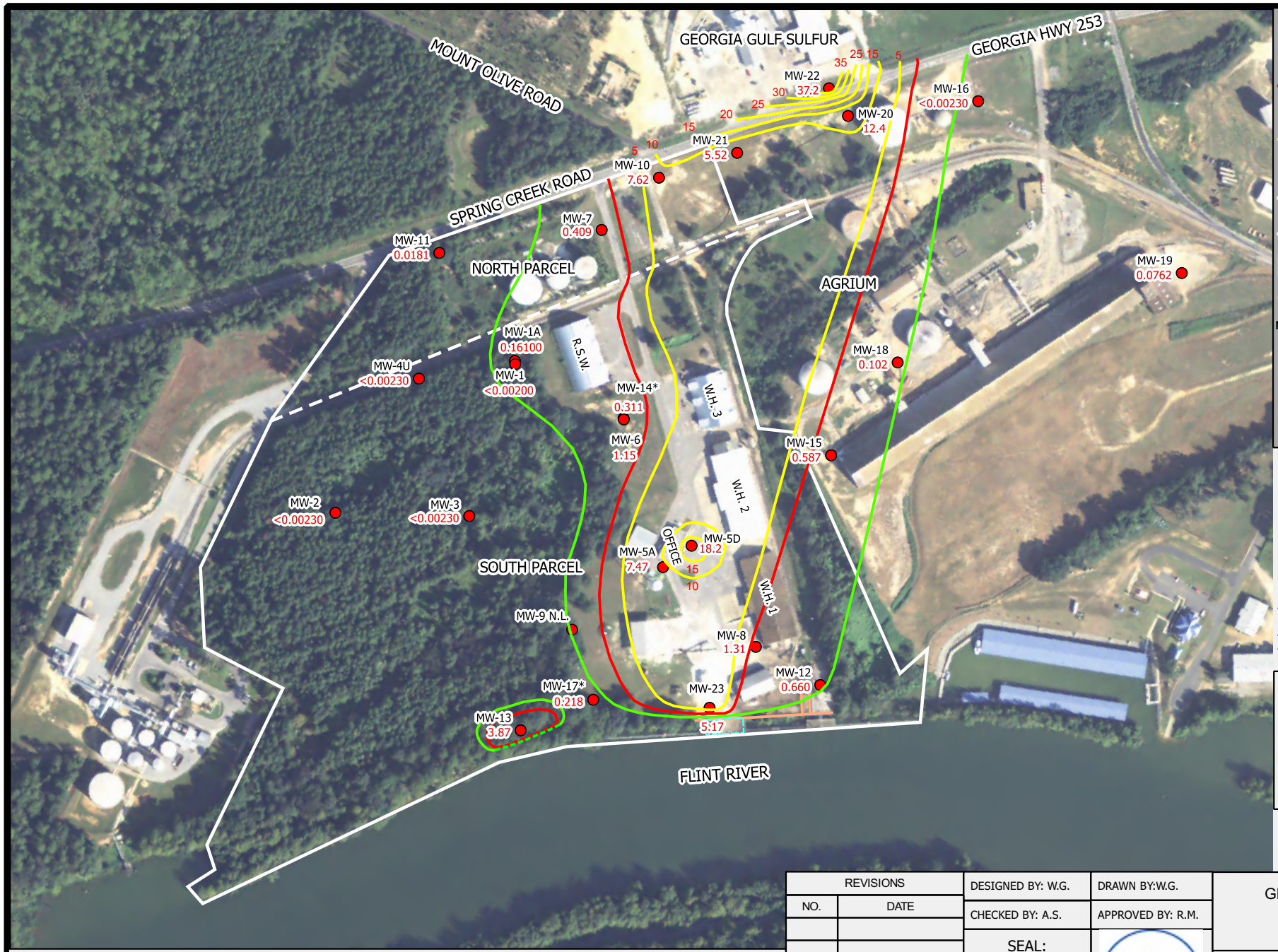
REVISIONS	
NO.	DATE

DESIGNED BY: W.G.	DRAWN BY: S.F.H
CHECKED BY:	APPROVED BY:
SEAL:	EIC
Scale: SEE BAR	Date: 09/15/2014

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

File: 400007 - 4.5 - GPA Bainbridge | SHEET NO.: 1



LEGEND

SEPTEMBER BETA BHC

- TYPE 4 RRS LIMIT 1.6µg/L
- DELINEATION STANDARD 0.1µg/L
- BETA BHC CONTOURS
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD

MW-19 MONITORING WELL ID

N.L. NOT LOCATED

1.16 BHC CONCENTRATION

***** BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

CONTOUR INTERVAL = 5 ug/L

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 3-7: BETA BHC ISOCONCENTRATION CONTOUR MAP (SEPTEMBER 2014)

REVISIONS	
NO.	DATE

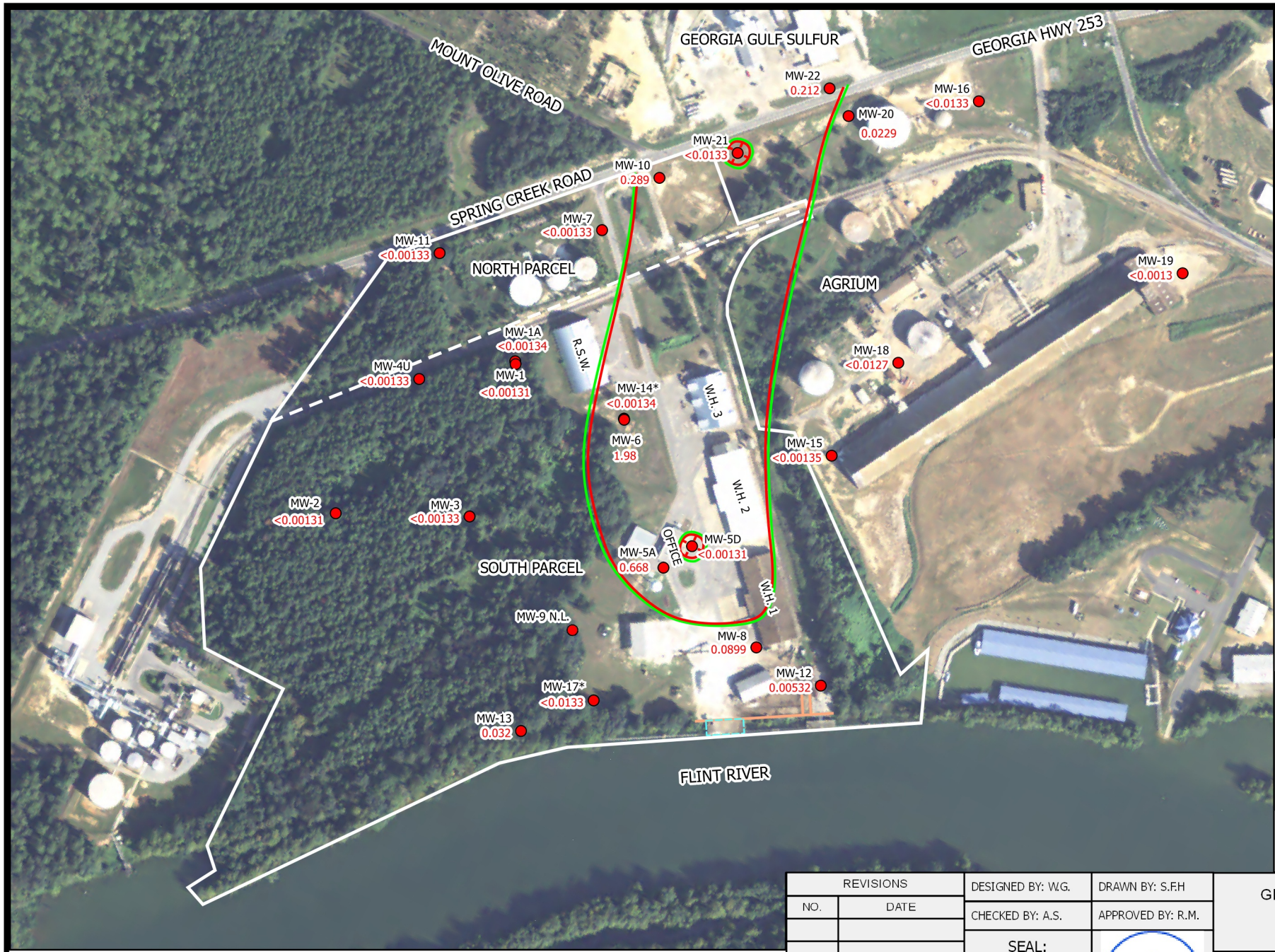
DESIGNED BY: W.G.	DRAWN BY:W.G.
CHECKED BY: A.S.	APPROVED BY: R.M.
SEAL:	EIC
Scale: SEE BAR	Date: 10/23/2014

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

File: 400007 - 4.5 - GPA Bainbridge

SHEET NO.: 1



LEGEND

MARCH DELTA BHC

- TYPE 4 RRS LIMIT 0.1 ug/L
- DELINEATION STANDARD 0.1 ug/L
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD
- MW-19 MONITORING WELL ID
- N.L. NOT LOCATED
- 1.16 BHC CONCENTRATION
- * BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

FIGURE 3-8 DELTA BHC ISOCONCENTRATION CONTOUR MAP (MARCH 2014)

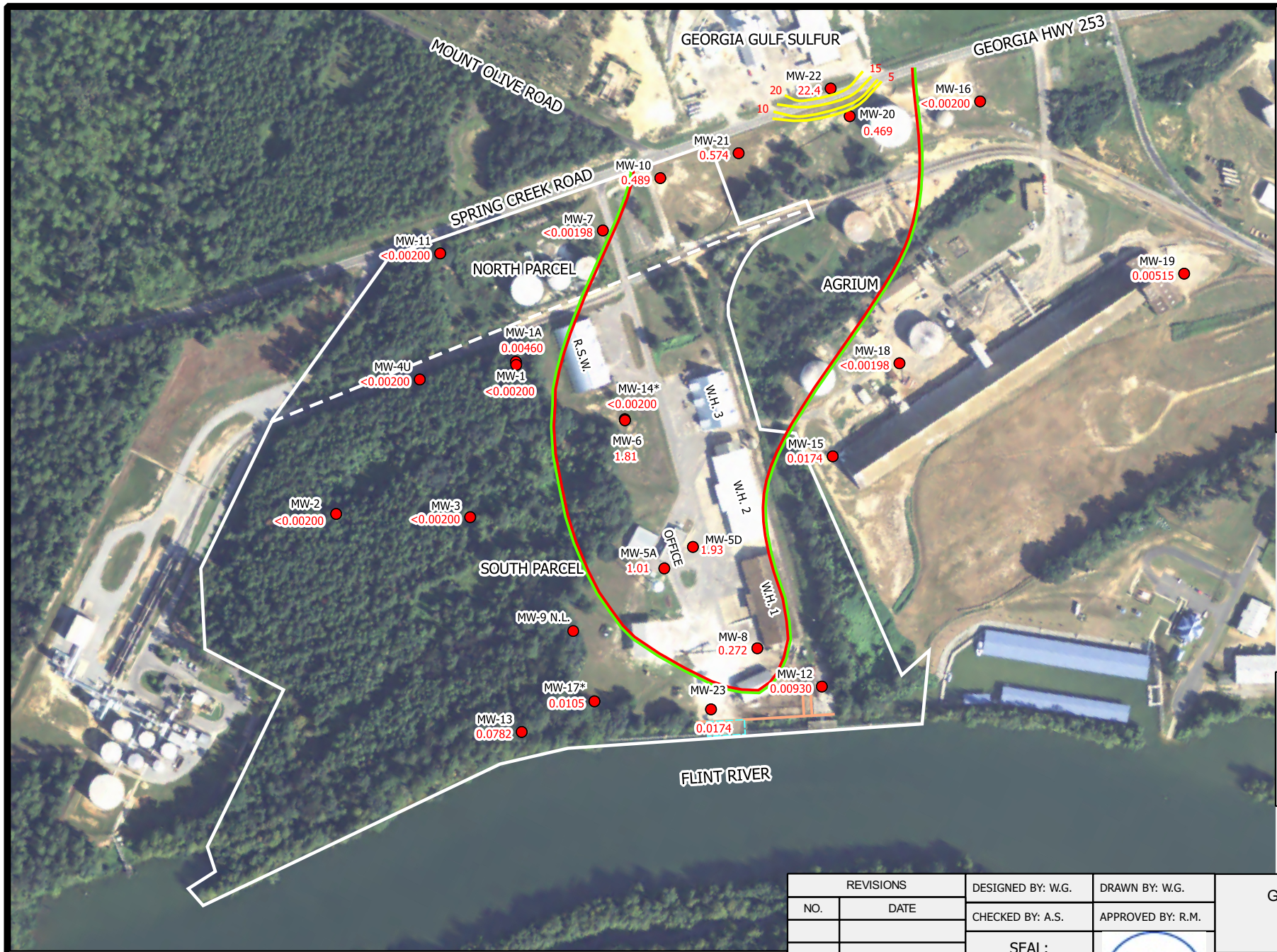
REVISIONS	
NO.	DATE

DESIGNED BY: W.G.	DRAWN BY: S.F.H
CHECKED BY: A.S.	APPROVED BY: R.M.
SEAL:	EIC
Scale: SEE BAR	Date: 09/15/2014

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BAINBRIDGE, GEORGIA

ENVIRONMENTAL INTERNATIONAL CORPORATION
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA 30009

File: 400007 - 4.5 - GPA Bainbridge | SHEET NO.: 1



LEGEND

SEPTEMBER DELTA CONTOURS

- TYPE 4 RRS LIMIT AND DELINEATION STANDARD 0.1µg/L
- DELTA BHC CONTOURS
- MONITORING WELL
- NORTH AND SOUTH PARCEL DIVISION
- BAINBRIDGE PARCEL LINES
- PIER
- BULKHEAD

MW-19 MONITORING WELL ID

N.L. NOT LOCATED

1.16 BHC CONCENTRATION

* BHC CONCENTRATION AT MW-14 AND MW-17 NOT CONSIDERED AS BOTH ARE SCREENED BELOW 60 FEET

W.H.1 = WAREHOUSE 1
W.H.2 = WAREHOUSE 2
W.H.3 = WAREHOUSE 3
R.S.W. = ROCK SALT WAREHOUSE

Notes

ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE BUILDING ON AGRIUM PROPERTY HAVE BEEN REMOVED.

SOURCES:
BACKGROUND AERIAL MAP PROVIDED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS) 2010. PROPERTY LINES PROVIDED BY GEORGIA PORTS AUTHORITY.

WELL LOCATIONS PLOTTED IN GIS FROM COORDINATES PROVIDED BY CH2M HILL

N

100 0 100 200 300 ft

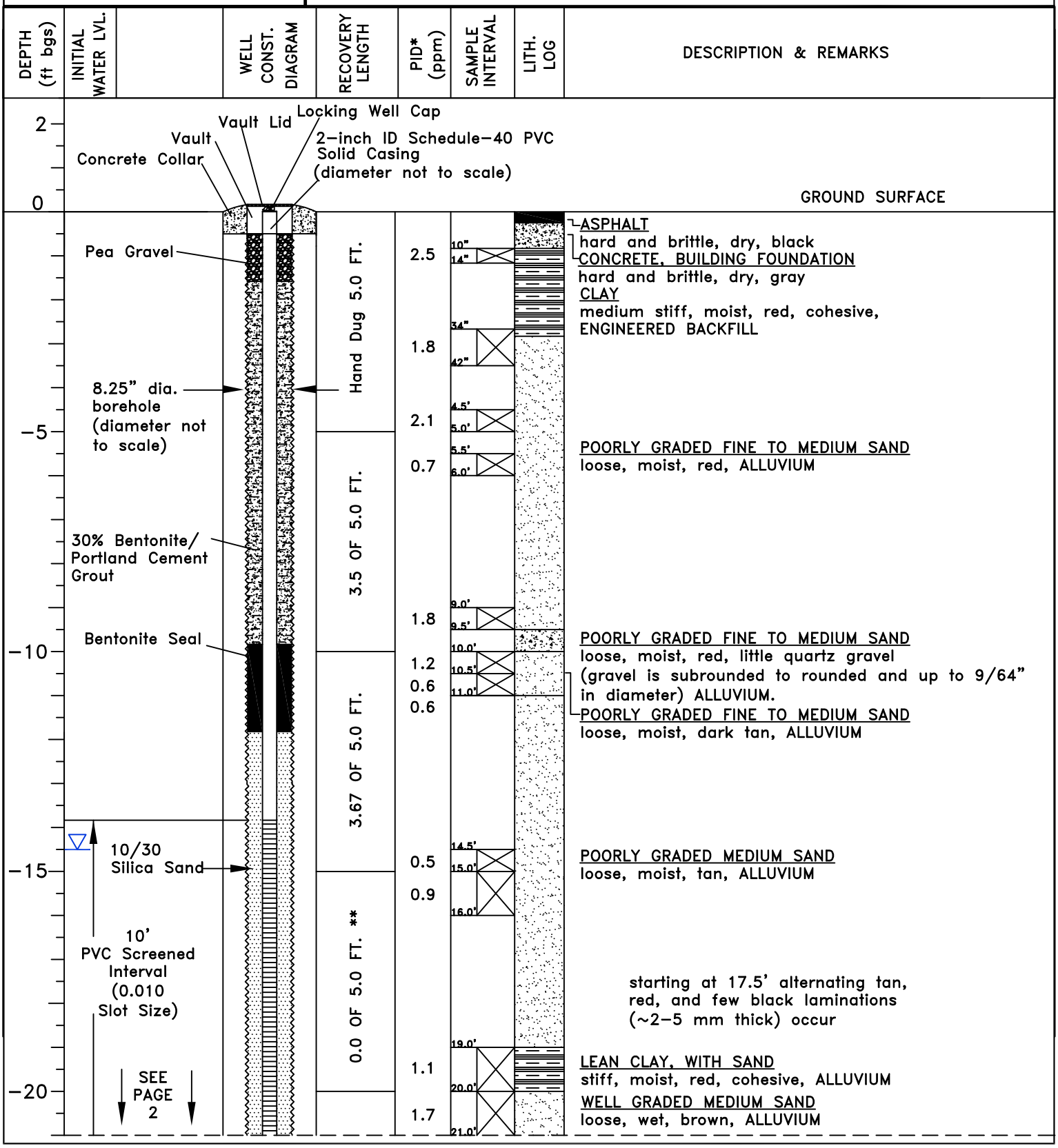
FIGURE 3-9: DELTA BHC ISOCONCENTRATION CONTOUR MAP (SEPTEMBER 2014)

REVISIONS		DESIGNED BY: W.G.	DRAWN BY: W.G.	GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE, GEORGIA
NO.	DATE	CHECKED BY: A.S.	APPROVED BY: R.M.	
		SEAL:	EIC	ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009
		Scale: SEE BAR	Date: 10/23/2014	File: 400007 - 4.5 - GPA Bainbridge / SHEET NO.: 1

FIGURE 4-1: MONITORING WELL MW-23

ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA, 30009 USA
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

MONITOR WELL	MW-23	DRILLING COMPANY	BETTS ENV. RECOVERY
PROJECT	GPA BAINBRIDGE TERMINAL	DATE DRILLED	4/23/2013
LOCATION	BAINBRIDGE GA	SURFACE ELEVATION	UNKNOWN
JOB NUMBER	400007-4.2	TOTAL DEPTH OF WELL	24.03 FT. BGS
GEOLOGIST	ALAN SANDERS	TOP OF BEDROCK	N/A
DRILL METHOD	6620DT GEOPROBE WITH HOLLOW STEM AUGER	INITIAL WATER LEVEL	~ 14.5 FT. BGS



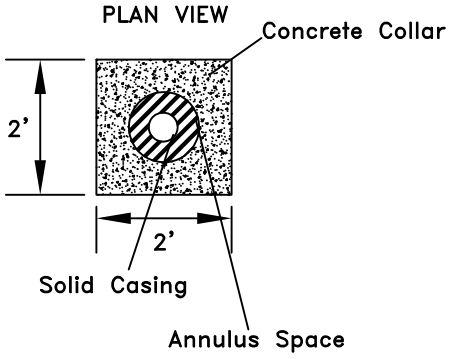
ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA, 30009 USA
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

FIGURE 4-1: MONITORING WELL MW-23

MONITOR WELL	MW-23	DRILLING COMPANY	BETTS ENV. RECOVERY
PROJECT	GPA BAINBRIDGE TERMINAL	DATE DRILLED	4/23/2013
LOCATION	BAINBRIDGE GA	SURFACE ELEVATION	UNKNOWN
JOB NUMBER	400007-4.2	TOTAL DEPTH OF WELL	24.03 FT. BGS
GEOLOGIST	ALAN SANDERS	TOP OF BEDROCK	N/A
DRILL METHOD	6620DT GEOPROBE WITH HOLLOW STEM AUGER	INITIAL WATER LEVEL	~ 14.5 FT. BGS

DEPTH (ft bgs)	INITIAL WATER LVL.	WELL CONST. DIAGRAM	RECOVERY LENGTH	PID (ppm)	SAMPLE INTERVAL	LITH. LOG	DESCRIPTION & REMARKS
-20		SEE PAGE 1	FOLD HERE TO JOIN PAGE 1				
		2" End Cap	5.0 OF 5.0 FT.	1.7	22.0'		POORLY GRADED MEDIUM SAND WITH GRAVEL loose, wet, brown, gravel (gravel ranges in diameter from 0.172-0.531") ALLUVIUM.
				1.9	23.0'		POORLY GRADED MEDIUM SAND WITH LITTLE SILT loose, wet, red to brown, ALLUVIUM.
-25				1.8	24.0' 25.0'		POORLY GRADED MEDIUM SAND WITH GRAVEL loose, wet, tan, some gravel, ALLUVIUM.
-30							
-35							
-40							

Notes:
* = PID values were recorded after soil samples had been placed into plastic bags. background readings ranged from 0.0 to 0.1 ppm.
** = Drilling crew was unable to retrieve the soil core sampler within the 15 to 20 foot core interval and it was abandoned in place at this depth. Soil was characterized within this interval and samples were collected from the auger.



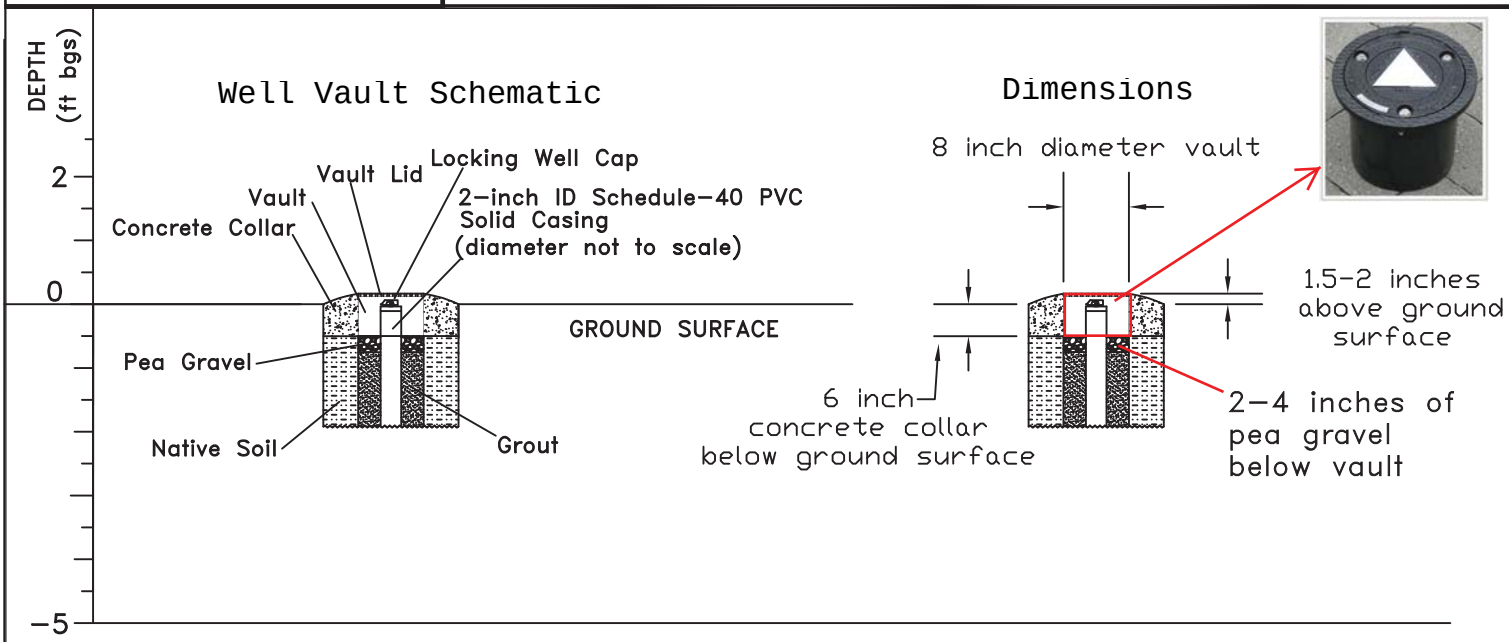
ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA, 30009 USA
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

Figure 4-2: General Well Vault Schematic

PROJECT GPA Bainbridge Terminal

LOCATION Bainbridge, GA

JOB NUMBER 400007



Remove old well pad, or...

Mark new well pad installation (2' X 2' square)

Saw cut new well pad form

Remove saw cuttings, place pea gravel and well vault

ENVIRONMENTAL INT'L CORP.
161 KIMBALL BRIDGE ROAD
ALPHARETTA, GEORGIA, 30009 USA
PHONE: 770-772-7100
FAX: 770-772-0555
http://www.eicusa.com

Figure 4-2: General Well Vault Schematic

PROJECT GPA Bainbridge Terminal

LOCATION Bainbridge, GA

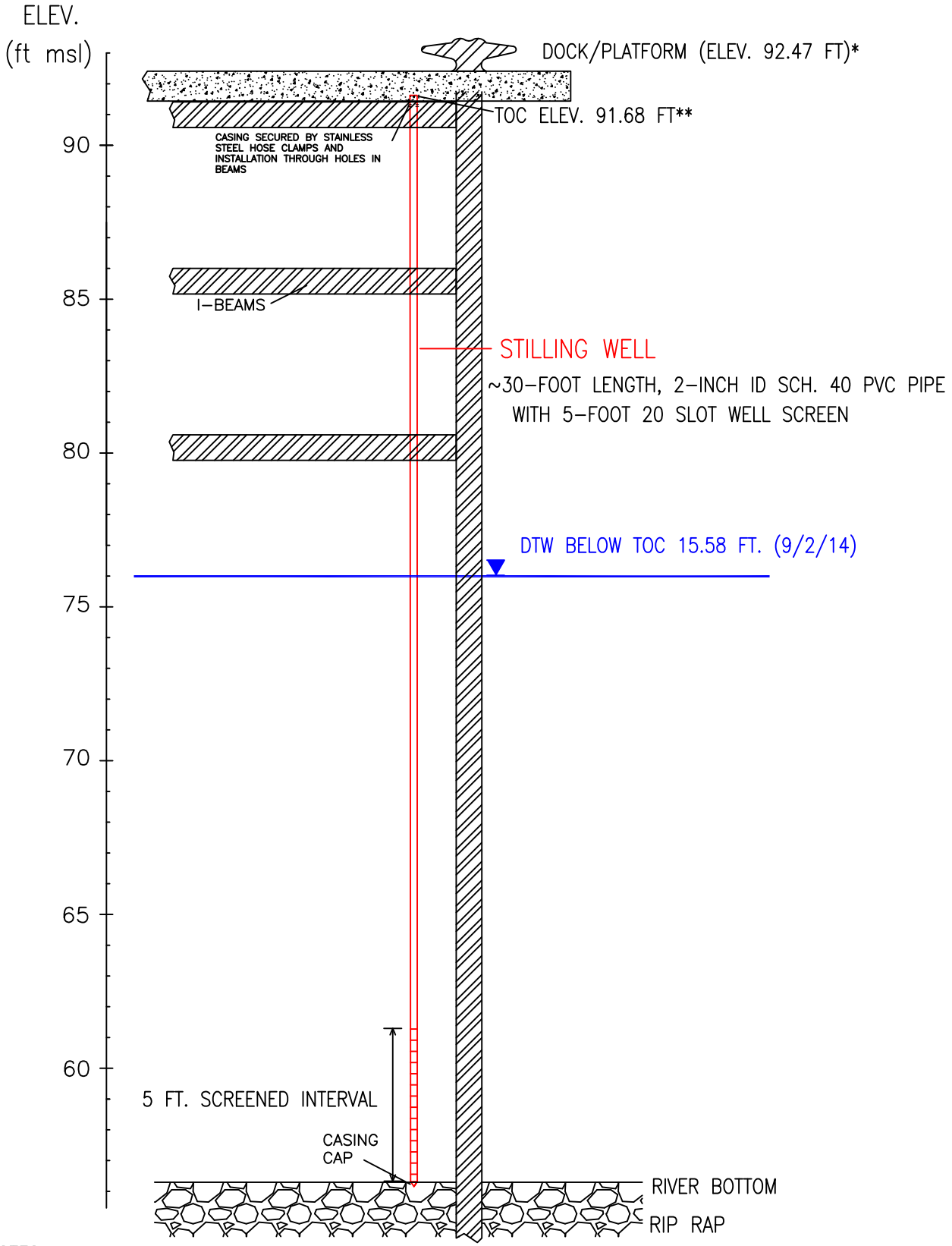
JOB NUMBER 400007

Well vault with pea gravel (top view)

Place cement for 6" deep collar

Create beveled edge from ground surface to top of well vault (1.5 to 2 inches in height)

Finished well vault with 3/8" bolts and washers



NOTES:

* DOCK ELEVATION BASED ON 6/28/2013 SURVEY PROVIDED BY DONALD, GARRETT, & ASSOCIATES, INC.

** TOC ELEVATION BASED ON 7/8/2014 SURVEY PROVIDED BY DONALD, GARRETT, & ASSOCIATES, INC.
WELL INSTALLED 03/27/2014
HORIZONTAL SCALE APPROXIMATED

FIGURE 4-3:
STILLING WELL
AS-BUILT DIAGRAM

DESIGNED BY: S.F.H.	DRAWN BY: S.F.H	REVISIONS NO.	DATE
CHECKED BY: A.S.	APPROVED BY: A.S.		
SEAL:			

GEORGIA PORTS AUTHORITY
BAINBRIDGE TERMINAL
BANINBRIDGE GA

ENVIRONMENTAL INTERNATIONAL CORP.
161 KIMBALL BRIDGE ROAD, SUITE 100
ALPHARETTA, GEORGIA 30009

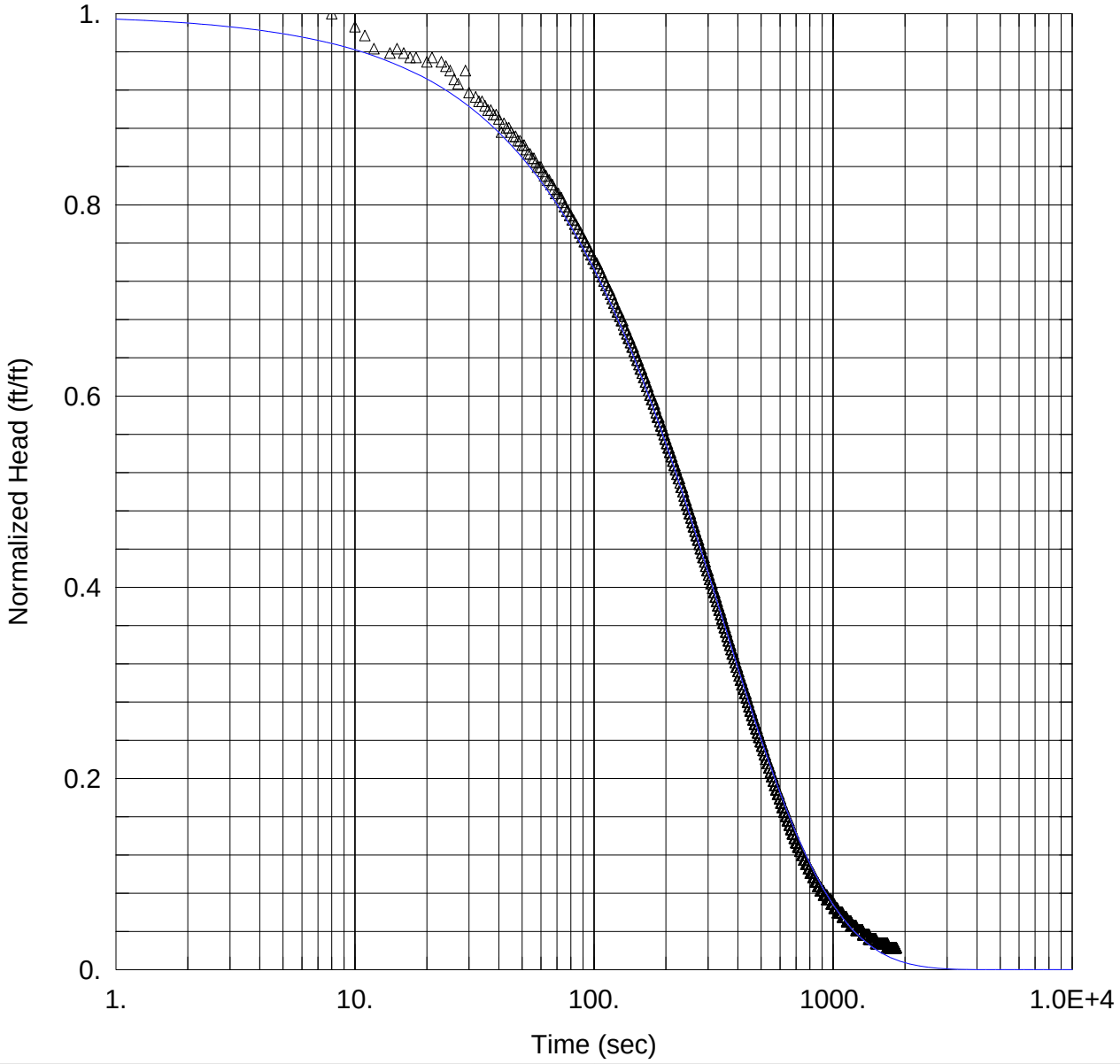
SCALE: SEE VERTICAL SCALE

DATE: 10/2/2014

FIGURE 5-1

MW-6 Falling Head Test 1

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH1 MW-6 GPA Bainbridge.aqt
Date: 10/22/14 Time: 14:52:56

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0002257 cm/sec Ss = 2.29E-5 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 39.34 ft

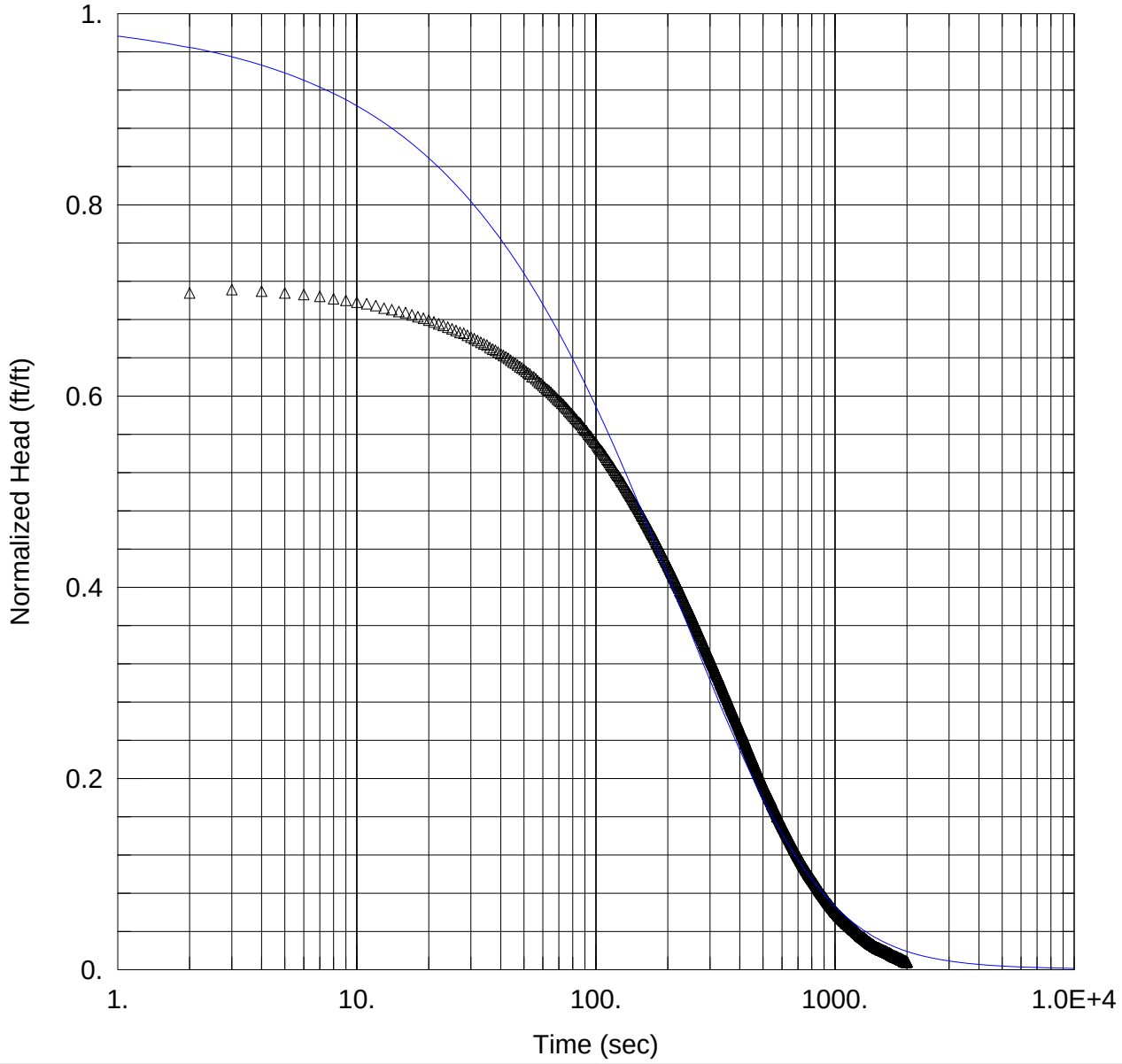
WELL DATA (MW-6 FH1)

Initial Displacement: 2.18 ft
Static Water Column Height: 29.34 ft
Total Well Penetration Depth: 29.1 ft
Screen Length: 5. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-2

MW-6 Falling Head Test 2

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH2 MW-6 GPA Bainbridge.aqt
Date: 10/22/14 Time: 14:56:37

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0001602 cm/sec Ss = 0.001667 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 39.3 ft

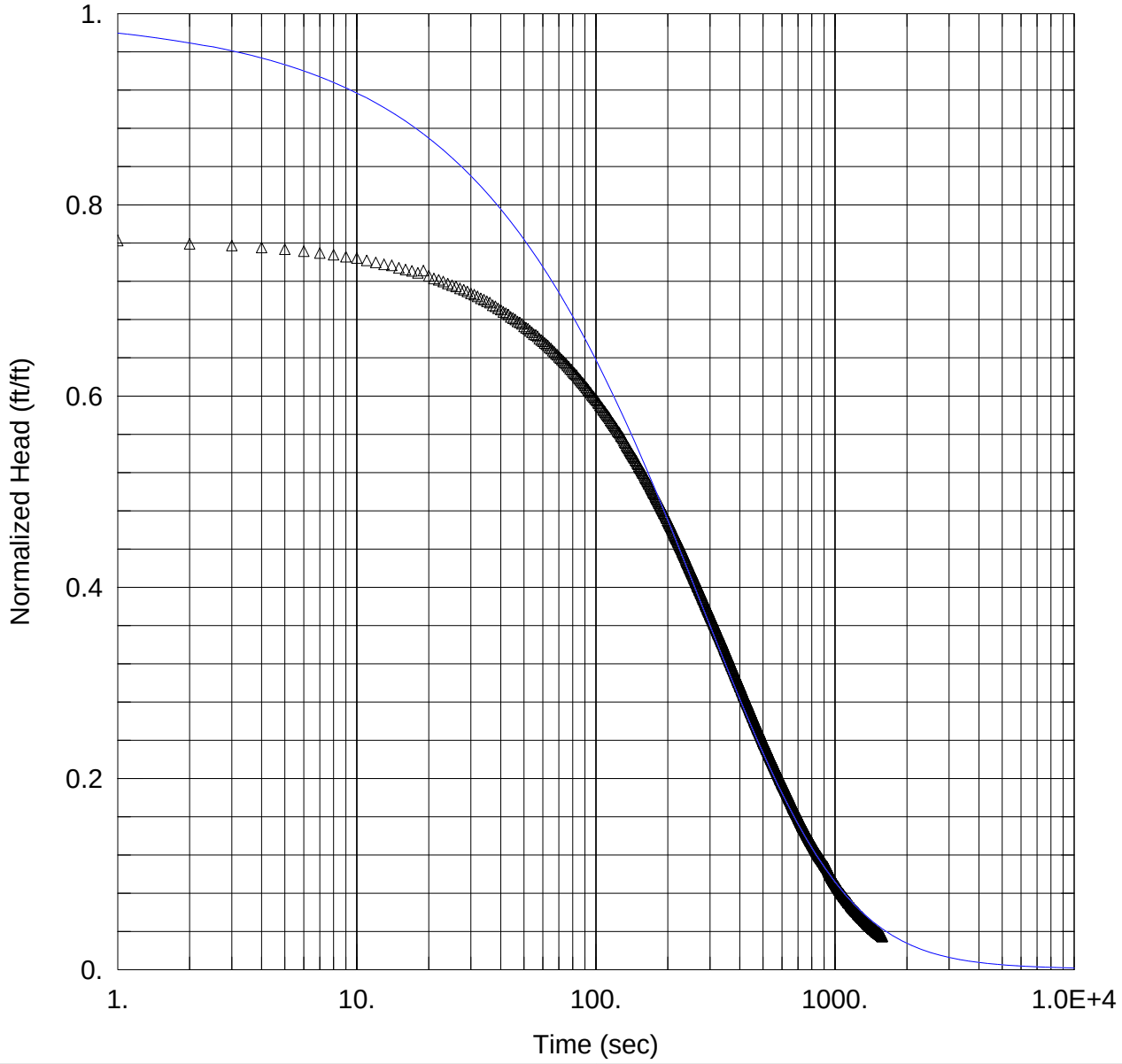
WELL DATA (MW-6 FH2)

Initial Displacement: 3.097 ft
Static Water Column Height: 29.3 ft
Total Well Penetration Depth: 29.1 ft
Screen Length: 5. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-3

MW-6 Falling Head Test 3

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH3 MW-6 GPA Bainbridge.aqt
Date: 10/22/14 Time: 15:05:27

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00014 cm/sec Ss = 0.001667 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 39.3 ft

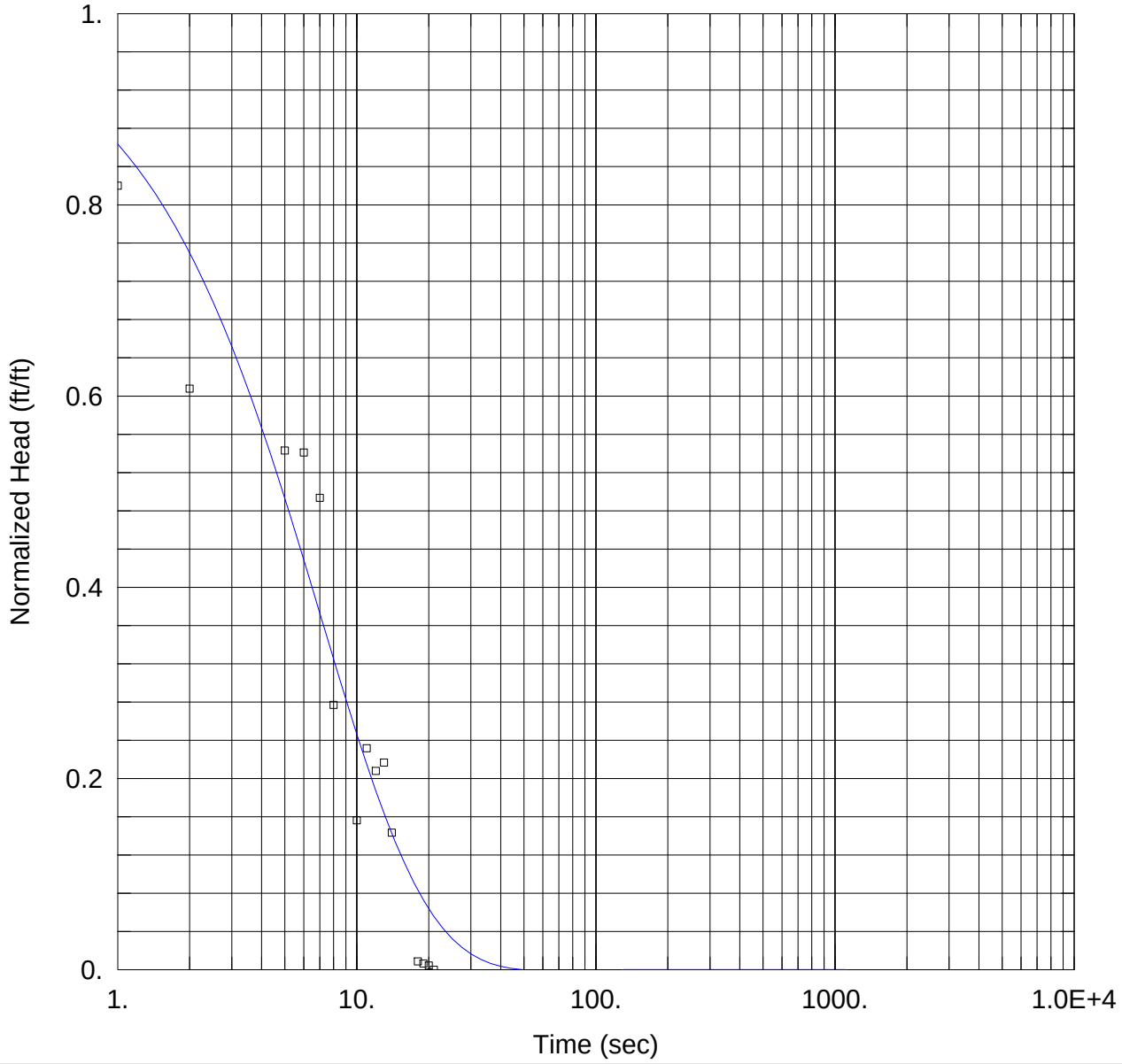
WELL DATA (MW-6 FH3)

Initial Displacement: 2.894 ft
Static Water Column Height: 29.3 ft
Total Well Penetration Depth: 29.1 ft
Screen Length: 5. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-4

MW-17 Falling Head Test 1

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH1 MW-17 GPA Bainbridge.aqt
Date: 10/22/14 Time: 14:55:30

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01566 cm/sec Ss = 9.933E-7 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 55.8 ft

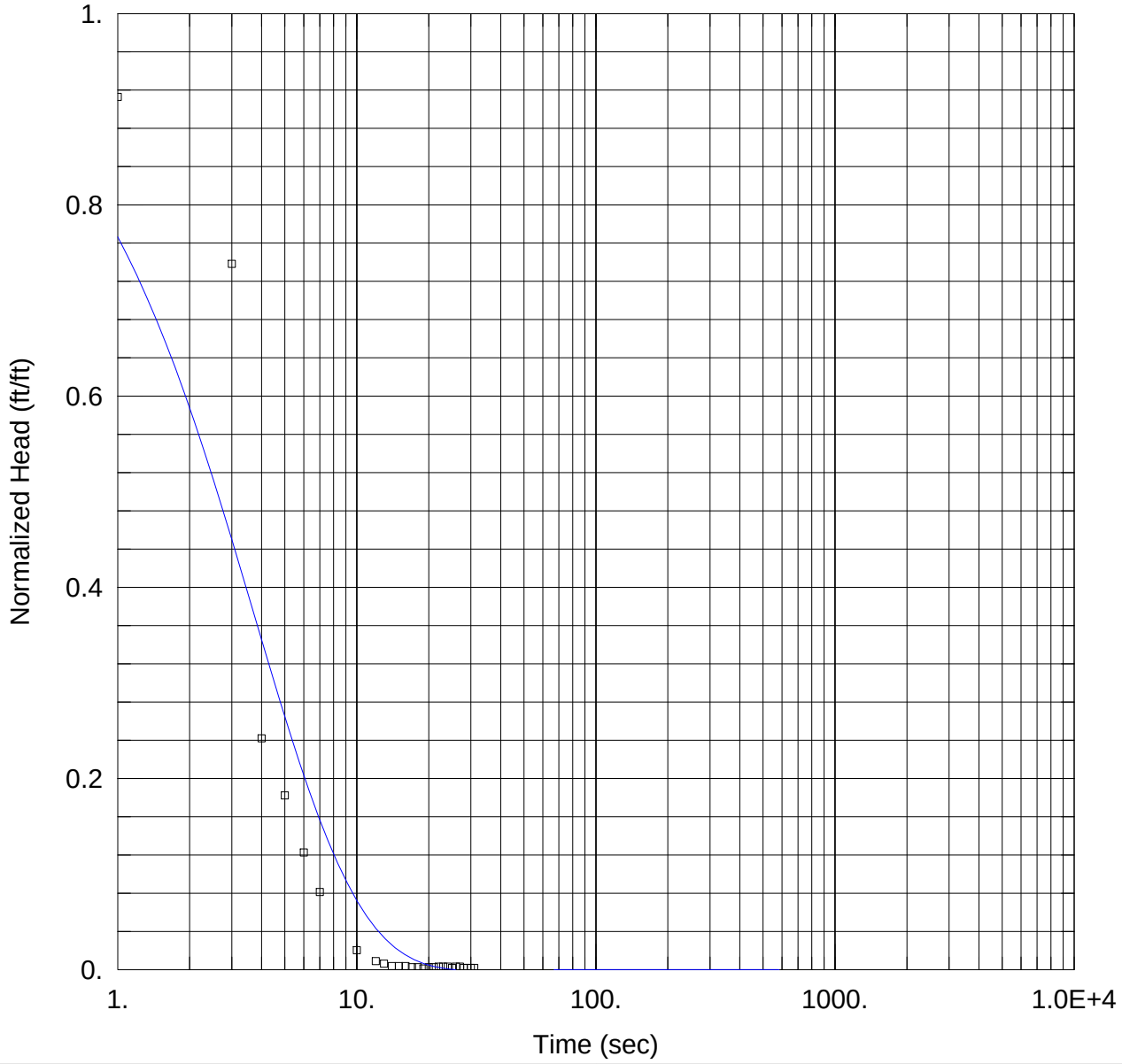
WELL DATA (MW-17)

Initial Displacement: 0.928 ft
Static Water Column Height: 45.8 ft
Total Well Penetration Depth: 39.3 ft
Screen Length: 10. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-5

MW-17 Falling Head Test 2

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH2 MW-17 GPA Bainbridge.aqt
Date: 10/22/14 Time: 14:56:55

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01749 cm/sec Ss = 1.667E-12 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 55.8 ft

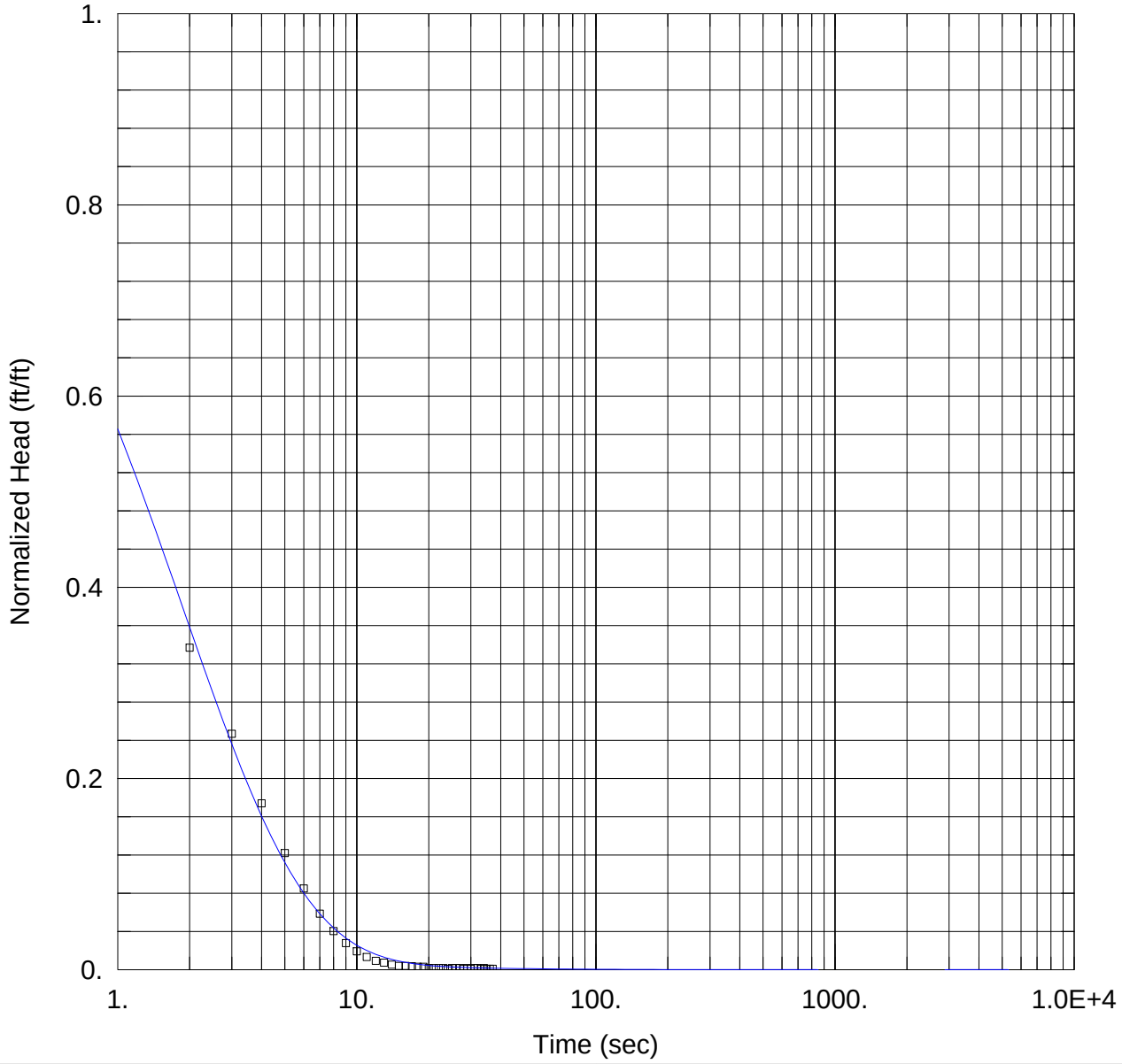
WELL DATA (MW-17 FH2)

Initial Displacement: 1.574 ft
Static Water Column Height: 45.8 ft
Total Well Penetration Depth: 39.3 ft
Screen Length: 10. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-6

MW-17 Falling Head Test 3

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH3 MW-17 GPA Bainbridge.aqt
Date: 10/22/14 Time: 15:05:44

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01468 cm/sec Ss = 6.731E-5 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 55.8 ft

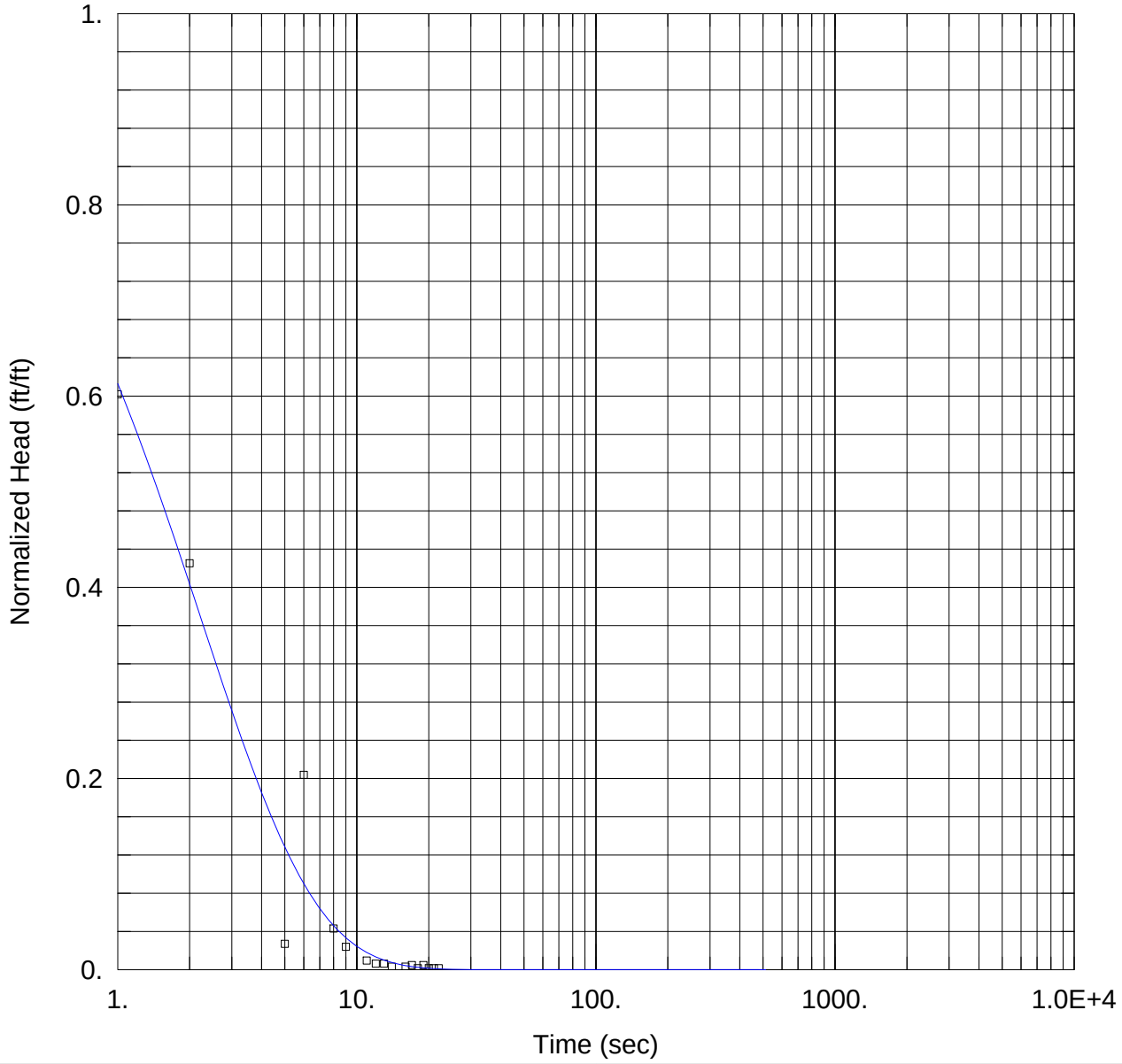
WELL DATA (MW-17 FH3)

Initial Displacement: 3.023 ft
Static Water Column Height: 45.8 ft
Total Well Penetration Depth: 39.3 ft
Screen Length: 10. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-7

MW-21 Falling Head Test 1

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
4.5	Bainbridge, GA



Data Set: Z:\...\FH1 MW-21 GPA Bainbridge.aqt
Date: 10/22/14 Time: 14:56:03

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.06572 cm/sec Ss = 0.0001267 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 24.47 ft

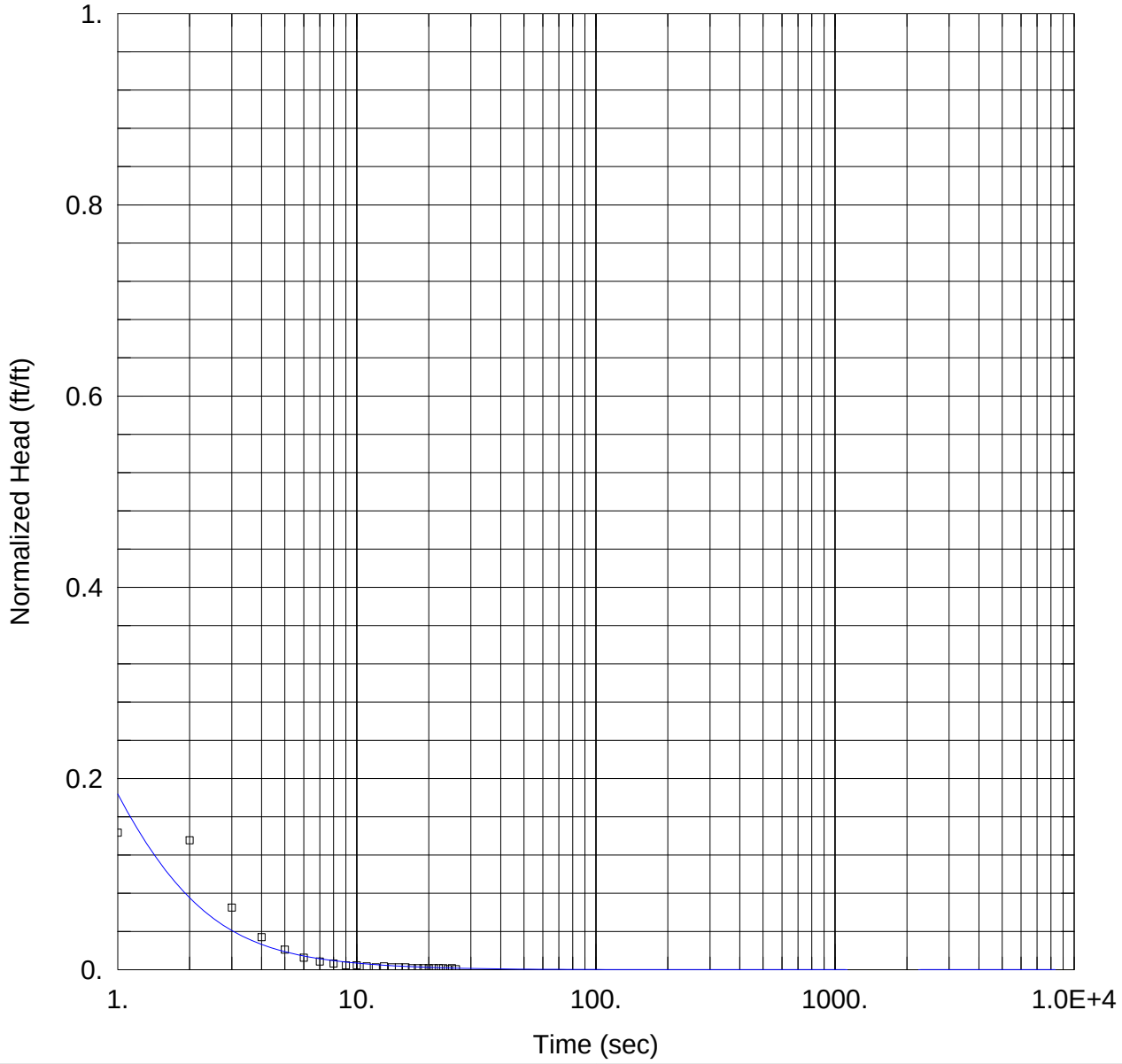
WELL DATA (FH1 MW-21)

Initial Displacement: 0.628 ft
Static Water Column Height: 14.47 ft
Total Well Penetration Depth: 14.5 ft
Screen Length: 10. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-8

MW-21 Falling Head Test 2

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH2 MW-21 GPA Bainbridge.aqt
Date: 10/22/14 Time: 15:10:59

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.06195 cm/sec Ss = 0.001667 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 24.47 ft

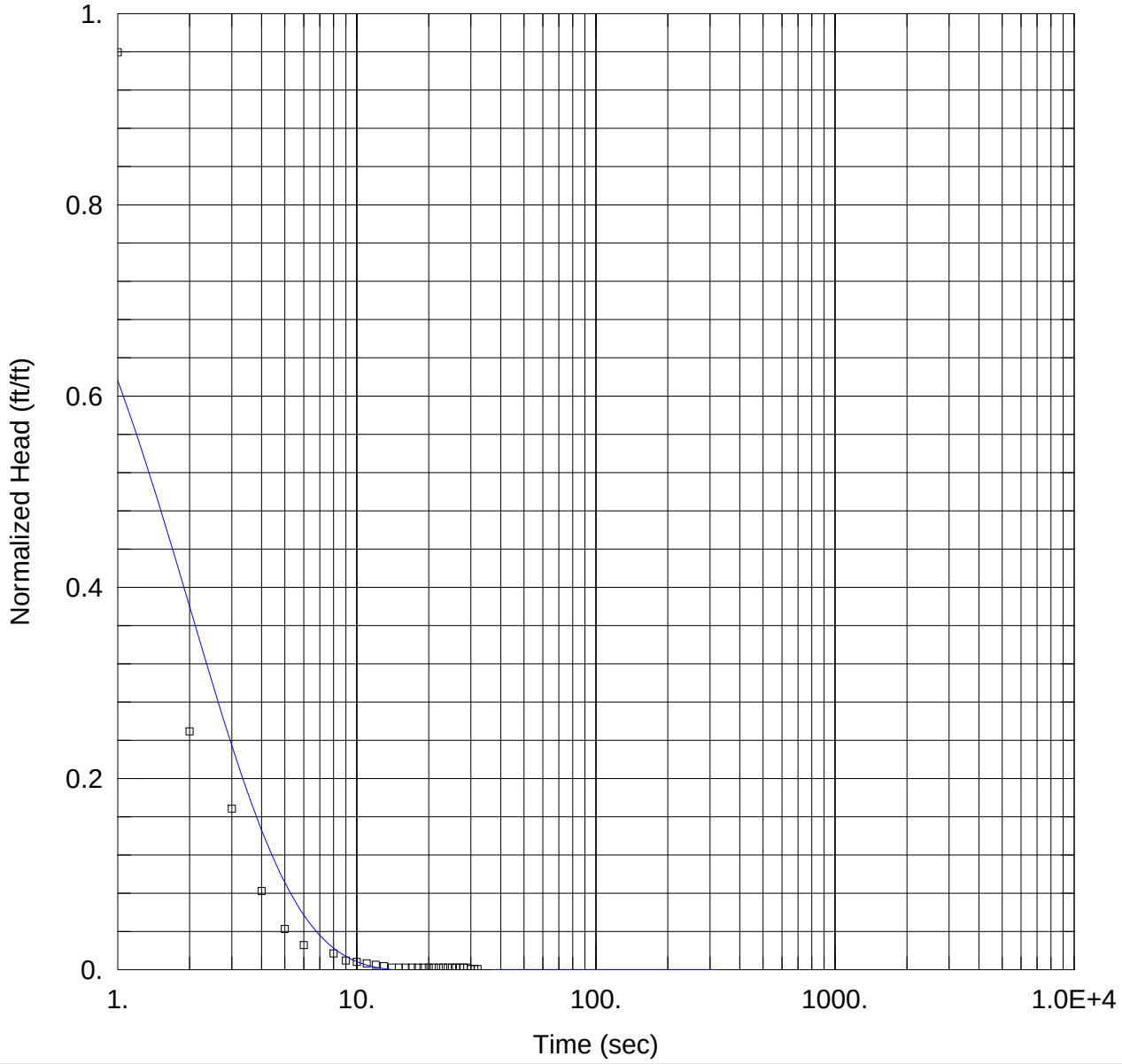
WELL DATA (FH2 MW-21)

Initial Displacement: 2.002 ft
Static Water Column Height: 14.47 ft
Total Well Penetration Depth: 14.5 ft
Screen Length: 10. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35

FIGURE 5-9

MW-21 Falling Head Test 3

Prepared By:	Prepared For:
EIC	GPA
Project:	Location:
400007 - 4.5	Bainbridge, GA



Data Set: Z:\...\FH3 MW-21 GPA Bainbridge.aqt
Date: 10/22/14 Time: 15:05:57

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

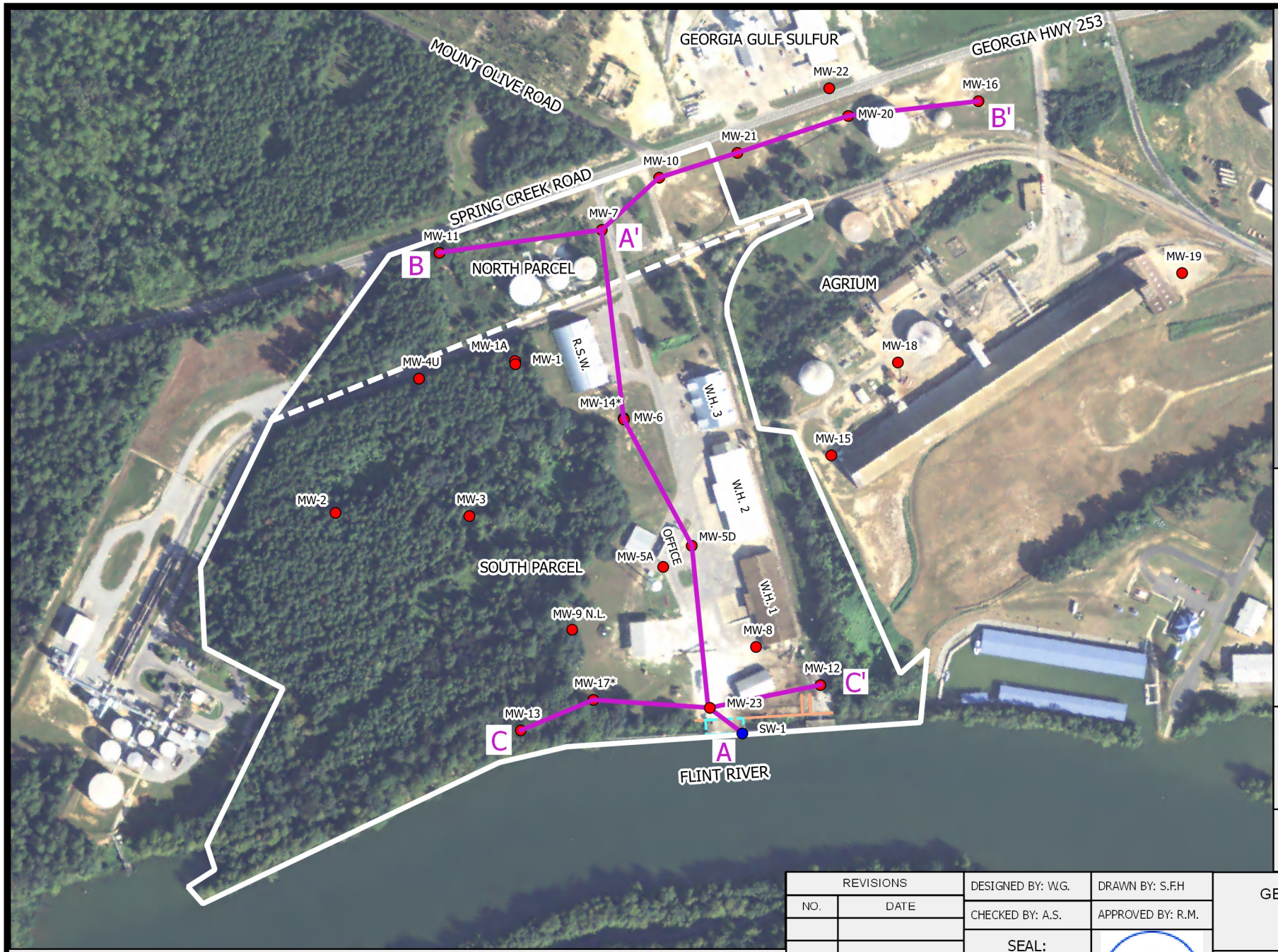
Kr = 0.03502 cm/sec Ss = 1.667E-12 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

Saturated Thickness: 24.47 ft

WELL DATA (FH3 MW-21)

Initial Displacement: 1.36 ft
Static Water Column Height: 14.47 ft
Total Well Penetration Depth: 14.5 ft
Screen Length: 10. ft
Casing Radius: 0.0853 ft
Well Radius: 0.0853 ft
Gravel Pack Porosity: 0.35



Legend

- MONITORING WELL LOCATION
- STILLING WELL LOCATION
- BAINBRIDGE PARCEL LINES
- NORTH AND SOUTH PARCEL DIVISION
- PIER
- BULKHEAD
- CROSS SECTION TRACES
- MW-19 MONITORING WELL ID
- N.L. NOT LOCATED
- * DEEP WELL (SCREENED GREATER THAN 50 FEET BELOW GROUND SURFACE)

W.H. 1 = WAREHOUSE 1
W.H. 2 = WAREHOUSE 2
W.H. 3 = WAREHOUSE 3
R.S.W. = ROCK SATL WAREHOUSE

NOTES:
ABOVE GROUND STORAGE TANKS ON GPA NORTH PARCEL AND ON AGRIUM PROPERTY, AS WELL AS THE WAREHOUSE AND OTHER BUILDINGS ON AGRIUM PROPERTY HAVE BEEN REMOVED.

MW-23 INSTALLED APRIL 2014
STILLING WELL INSTALLED MARCH 2014

SOURCES:
Background Aerial map provided by United States Geological Survey (USGS) 2010. Property lines provided by Georgia Ports Authority. Well locations plotted from multiple surveys on site.

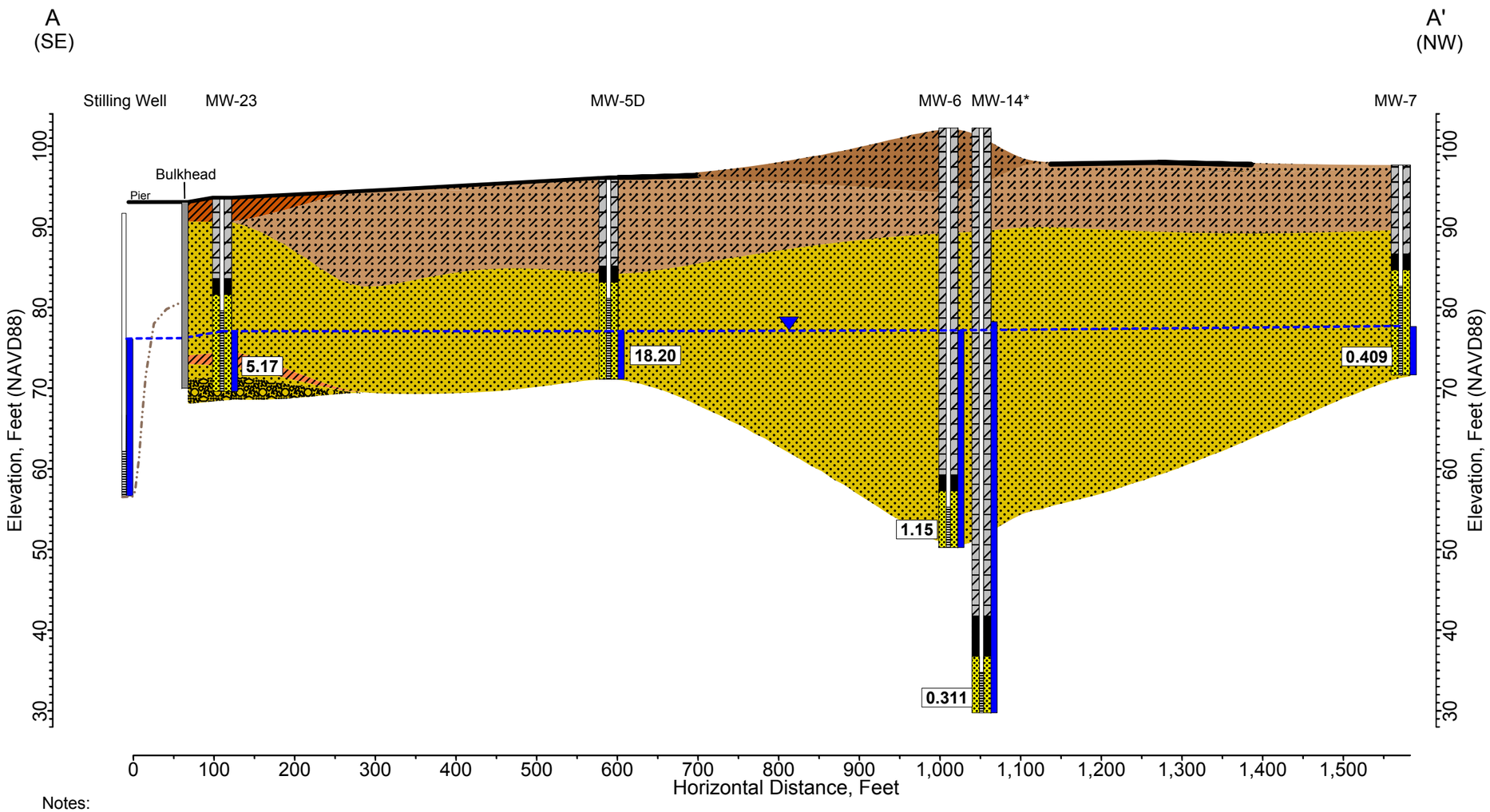
N

100 0 100 200 300 ft

FIGURE 9-1: Hydrogeological Cross-Sections Trace Map

REVISIONS		DESIGNED BY: W.G.	DRAWN BY: S.F.H	GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE, GEORGIA
NO.	DATE	CHECKED BY: A.S.	APPROVED BY: R.M.	
		SEAL:	EIC	ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009
		Scale: SEE BAR	Date: 09/29/2014	File: 400007 - 4.5 - GPA BAINBRIDGE / SHEET NO.: 1

Figure 9-2: A-A' (Southeast to Northwest) Hydrogeological Cross-Section, GPA, Bainbridge, GA



Legend

Lithology

- BACKFILL (SAND WITH CLAY)
- CLAY
- ENGINEERED BACKFILL (CLAY)
- SAND
- SAND WITH CLAY
- SAND WITH GRAVEL

Well Construction

- BENTONITE SEAL
- CEMENT GROUT
- PVC CASING
- PVC SCREEN
- SAND FILTER PACK

Estimated River Bottom/Bank

Interpolated Water Surface (September 2014)

Impermeable Surfaces

Water Column (September 2014)

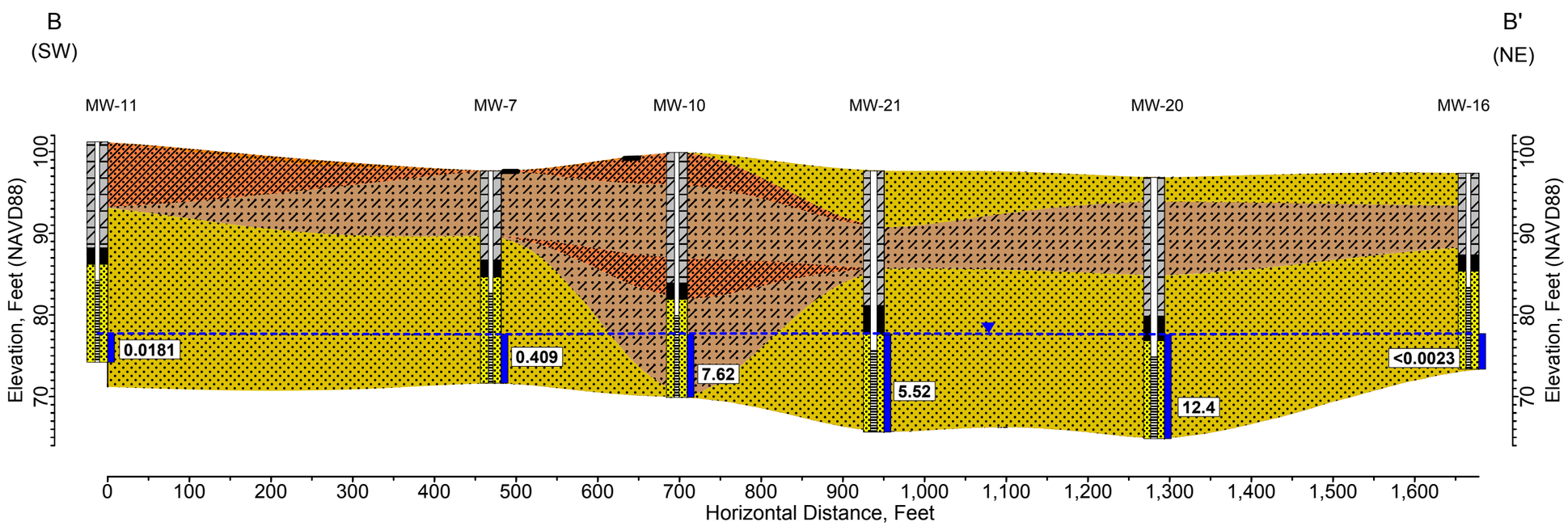
Bulkhead

5.05 Beta-BHC Concentration September 2014 (ug/L)

Notes:
Hydrogeological cross section is based on lithological data logs and well construction diagrams prepared by various consultants for each monitoring well. Lithology was correlated utilizing Rockworks 2006 stratigraphy modeling software by Rockware. Bulkhead coordinates determined during EIC site survey, depth and approximate river bank elevation determined from Thomas and Hutton Engineers 1958 as-built drawing and 1956 Bulkhead and Pile Details, GPA reference 02-45-99-023 and 02-45-99-005. Bulkhead and well construction logs are horizontally exaggerated to show detail. All wells have a 2-inch diameter PVC casing.
*Lithology and groundwater level at MW-14 is not considered.

GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE GEORGIA	EIC	SEAL:	DESIGNED BY:	W.G.	DATE:	9/10/2014	FILE:	400007: 4.5
			DRAWN BY:	S.F.H	REVISION:	DATE:	SHEET NO.:	1 of 1
ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009			CHECKED BY:	A.S.			VERTICAL EXAGERATION = 10X	
			APPROVED BY:	R.M.				

Figure 9-3: B-B' (Southwest to Northeast) Hydrogeological Cross-Section, GPA, Bainbridge, GA



Legend

Lithology

- CLAY WITH SAND
- SAND
- SAND WITH CLAY

Well Construction

- BENTONITE SEAL
- CEMENT GROUT
- PVC CASING
- PVC SCREEN
- SAND FILTER PACK

Impermeable Surfaces

Interpolated Water Surface (September 2014)

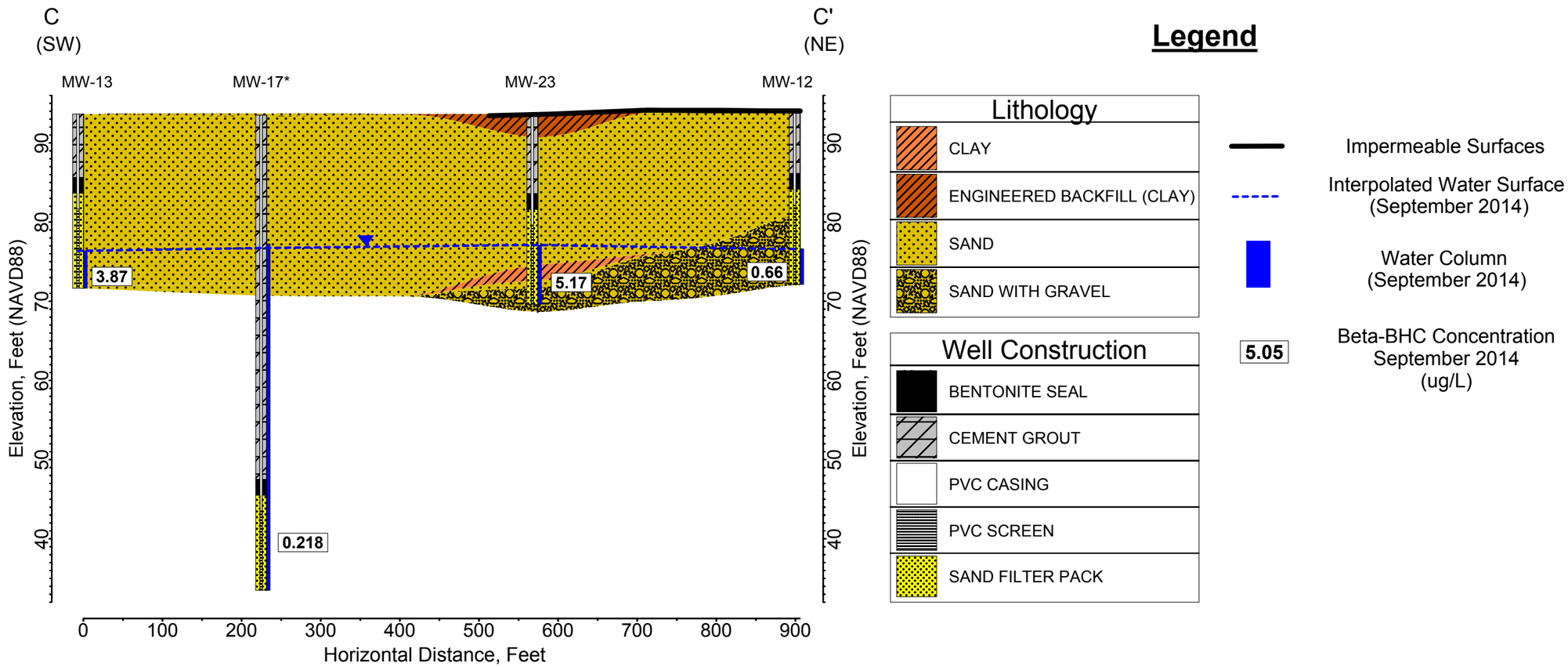
Water Column (September 2014)

5.05 Beta-BHC Concentration September 2014 (ug/L)

Notes:
Hydrogeological cross section is based on lithological data logs and well construction diagrams prepared by various consultants for each monitoring well. Lithology was correlated utilizing Rockworks 2006 stratigraphy modeling software by Rockware. Well construction logs are horizontally exaggerated to show detail. All wells have a 2-inch diameter PVC casing.

GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE GEORGIA	EIC	SEAL:	DESIGNED BY:	W.G.	DATE:	9/10/2014	FILE:	400007: 4.5
			DRAWN BY:	S.F.H	REVISION:	DATE:	SHEET NO.:	1 of 1
ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009			CHECKED BY:	A.S.			VERTICAL EXAGERATION = 10X	
			APPROVED BY:	R.M.				

Figure 9-4: C-C' (Southwest to Northeast) Hydrogeological Cross-Section, GPA, Bainbridge, GA



Notes:
Hydrogeological cross section is based on lithological data logs and well construction diagrams prepared by various consultants for each monitoring well. Lithology was correlated utilizing Rockworks 2006 stratigraphy modeling software by Rockware. Well construction logs are horizontally exaggerated to show detail. All wells have a 2-inch diameter PVC casing.
*Lithology and groundwater level at MW-17 is not considered.

GEORGIA PORTS AUTHORITY BAINBRIDGE TERMINAL BAINBRIDGE GEORGIA	EIC	SEAL:	DESIGNED BY:	W.G.	DATE:	9/10/2014	FILE:	400007: 4.5
			DRAWN BY:	S.F.H	REVISION:	DATE:	SHEET NO.:	1 of 1
ENVIRONMENTAL INTERNATIONAL CORPORATION 161 KIMBALL BRIDGE ROAD ALPHARETTA, GEORGIA 30009			CHECKED BY:	A.S.			VERTICAL EXAGERATION = 10X	
			APPROVED BY:	R.M.				

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

PHOTOGRAPHS

Photograph 1: Geoprobe with 8-inch auger

Photograph 2: MW-23 soil boring core

Photograph 3: Completed MW-23 concrete pad

Photograph 4: Watera II pump with surging block

Photograph 5: Stilling well installation with transducer

Photograph 6: Slug test transducer probe setup

Photograph 7: PVC slug

Photograph 8: IDW drums in the south area near the bulkhead wall

Photograph 9: IDW drums in the north area near the rock salt warehouse

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT A

EIC March 2014 Well Purging and Sampling Field Logs

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-1

DATE: 3/25/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Sunny ~70°F, 2-5 mph wind NW

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 19.50 FT. to 29.50 FT.

INITIAL WATER LEVEL (BTOC): 26.75 FT. | TIME: 16:57 | BTOC WELL SCREEN INTERVAL: 22.01 FT. to 32.01 FT.

MEASURED TOTAL WELL DEPTH (BGS): 32.51 FT. | MEASURED TOTAL WELL DEPTH (BTOC): FT. | HEIGHT OF STICK-UP: 2.51 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
17:14	0	20.91	4.31	294	0.408	0.00	4.75	25.35	
17:20	1400	19.42	4.10	345	0.532	0.0	4.63	25.35	
17:26	2800	19.20	4.07	365	0.549	0.0	4.72	25.34	
17:32	4200	19.10	4.07	377	0.552	0.0	4.44	25.35	

COMMENTS:

SAMPLE COLLECTION TIME: 17:34

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	34
Initial tubing depth (ft.) BTOC	28
Final tubing depth (ft.) BTOC	28
Initial pump speed	7.07
Time pump speed was initialized	17:11
Pump speed at flow into cylinder	7.07
Started new roll of tubing at	—
Three well volume (mL)	

2,000 mL volume poured into bucket:

Time	17:23	17:31							
Cummulative Volume (mL)	2100	4100							

Additional remarks: Replaced existing cap w/ new well cap

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-1A

DATE: 3/25/19 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Sunny ~68°F, 5-7 mph wind NW

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 23.00 FT. to 33.00 FT.

INITIAL WATER LEVEL (BTOC): 25.45 FT. | TIME: 17.29 | BTOC WELL SCREEN INTERVAL: 25.85 FT. to 35.85 FT.

MEASURED TOTAL WELL DEPTH (BGS): 39.85 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | HEIGHT OF STICK-UP: 2.85 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH *	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
17:51	0	17.96	4.13	345	0.550	0.0	3.16	25.95	
17:56	1020	18:01	4.06	372	0.620	0.0	2.69	25.47	
18:01	2000	18:06	4.01	387	0.696	0.0	2.65	25.46	
18:06	2940	18.07	4.00	394	0.738	0.0	2.38	25.46	
18:12	4000	17.98	4.01	397	0.756	0.0	2.23	25.46	
18:17	5040	17.97	4.01	400	0.761	0.0	2.26		

COMMENTS:

SAMPLE COLLECTION TIME: 18:19

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	35
Initial tubing depth (ft.) BTOC	30
Final tubing depth (ft.) BTOC	30
Initial pump speed	7.02
Time pump speed was initialized	17:47
Pump speed at flow into cylinder	7.02
Started new roll of tubing at	yes
Three well volume (mL)	

2,000 mL volume poured into bucket:

Time	18:01	18:12							
Cummulative Volume (mL)	2000	4000							

Additional remarks: replaced well cap w/ new cap

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-2

DATE: 3/05/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: clear skies ~57°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 19.03 FT. TIME: 9:28 | BTOC WELL SCREEN INTERVAL: 15.85 FT. to 25.85 FT.

MEASURED TOTAL WELL DEPTH (BGS): 27.85 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | HEIGHT OF STICK-UP: 2.85 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
9:48	Ø	18.53	2.87	137	0.068	3.6	4.78	19.06	first pull clear
9:53	1130	17.48	4.88	250	0.065	0.0	4.41	19.06	clear in cylinder
9:58	2380	17.43	4.90	275	0.065	0.0	4.34	19.06	
10:03	3600	17.33	4.84	295	0.065	0.0	4.16	19.06	few air bubbles

COMMENTS:

SAMPLE COLLECTION TIME: 10:04

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	25.5
Initial tubing depth (ft.) BTOC	~~23~~ 22.3
Final tubing depth (ft.) BTOC	22.3
Initial pump speed	7.02
Time pump speed was initialized	9:46
Pump speed at flow into cylinder	7.02
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	9:56								
Cummulative Volume (mL)	2000								

Additional remarks: standing water ~50 ft to west is highest observed

8×3 = 24 ft
8 16 ft

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-3

DATE: 3/25/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: clear skies ~65°F 0-10 MPH gusts

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 15.00 FT. to 25.00 FT.

INITIAL WATER LEVEL (BTOC): 17.43 FT. | TIME: | BTOC WELL SCREEN INTERVAL: 17.83 FT. to 27.83 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 25.0 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | HEIGHT OF STICK-UP: 2.83 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
15:42	~~0~~ 160	19.97	5.65	180	0.065	0.0	6.97	17.44	First pull is clear
15:47	1260	19.48	5.59	209	0.064	0.0	6.52	17.44	clear in cylinder
15:52	2500	19.18	5.57	220	0.065	0.0	6.43	17.47	

COMMENTS:

SAMPLE COLLECTION TIME: 15:54

PREPARED BY: Patrick Gragson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	27
Initial tubing depth (ft.) BTOC	23
Final tubing depth (ft.) BTOC	23
Initial pump speed	7.02
Time pump speed was initialized	15:39
Pump speed at flow into cylinder	7.02
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	15:52								
Cummulative Volume (mL)	2500								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-4U

DATE: 3/25/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: sunny ~70°F, ~0-2 mph NW

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 16.00 FT. to 31.00 FT.

INITIAL WATER LEVEL (BTOC): 23.7 FT. TIME: 16:22 | BTOC WELL SCREEN INTERVAL: 18.05 FT. to 33.05 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 33.05 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | HEIGHT OF STICK-UP: 2.05 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
16:36	0	20.39	4.53	256	0.271	0.0	4.26	23.70	
16:41	1200	20.63	4.47	295	0.268	0.0	3.80	23.73	
16:46	2400	20.85	4.44	308	0.262	0.0	3.76	23.70	

COMMENTS:

SAMPLE COLLECTION TIME: 16:48

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	53.0
Initial tubing depth (ft.) BTOC	29
Final tubing depth (ft.) BTOC	29
Initial pump speed	7.04
Time pump speed was initialized	16:33
Pump speed at flow into cylinder	7.04
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	16:44								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-5A

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: sunny ~ 65°F, 2-4 mph NW wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 16.50 FT. to 26.50 FT.

INITIAL WATER LEVEL (BTOC): 7.29 FT. TIME: 11:25 | BTOC WELL SCREEN INTERVAL: 16.20 FT. to 26.20 FT.

MEASURED TOTAL WELL DEPTH (BGS): 27.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
11:35	0	18.76	4.26	252	0.581	0.0	6.03	17.32	
11:40	1100	19.73	4.24	257	0.593	0.0	3.83	17.32	
11:45	2260	20.00	4.22	260	0.608	0.0	3.24	17.32	

COMMENTS:

SAMPLE COLLECTION TIME: 11:48

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	25.5
Initial tubing depth (ft.) BTOC	22.0
Final tubing depth (ft.) BTOC	22.0
Initial pump speed	8.088 (WDG)
Time pump speed was initialized	11:33
Pump speed at flow into cylinder	8.08
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	11:43								
Cummulative Volume (mL)	2000								

Additional remarks: first pull is clear in tubing, air bubbles in tube near 11:43

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-5D

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Sunny ~65°F, 0-2 mph wind NW

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 15.00 FT. to 25.00 FT.

INITIAL WATER LEVEL (BTOC): 16.76 FT. | TIME: 11:59 | BTOC WELL SCREEN INTERVAL: 14.80 FT. to 24.80 FT.

MEASURED TOTAL WELL DEPTH (BGS): 25.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
12:12	180	17.25	5.32	211	2.120	16.0	16.01	16.77	
12:17	1220	17.83	5.00	206	1.95	0.0	2.52	16.78	
12:22	2460	18.45	4.06	239	1.90	0.9	1.15	16.78	
12:27	3580	18.63	3.63	265	1.90	0.0	0.83	16.78	
12:32	4720	18.81	3.53	272	1.88	0.0	0.70	16.78	
12:37	5900	18.83	3.52	275	1.89	0.0	0.64	16.78	
12:42	7100	18.91	3.53	275	1.87	0.0	0.60	16.78	

COMMENTS:

SAMPLE COLLECTION TIME: 12:44

PREPARED BY: WM Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	24.5
Initial tubing depth (ft.) BTOC	21.0
Final tubing depth (ft.) BTOC	21.0
Initial pump speed	7.99
Time pump speed was initialized	12:09
Pump speed at flow into cylinder	7.99
Started new roll of tubing at	—
Three well volume (mL)	

2,000 mL volume poured into bucket:

Time	12:20	12:30	12:38						
Cummulative Volume (mL)	2000	4300	~~5200~~ 6300						

Additional remarks: Appears that rain water is pouring into well, first pull has suspended solids, afterwards pull is clear

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-6

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Overcast ~66°F 0-5 MPH E wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 47.00 FT. to 52.00 FT.

INITIAL WATER LEVEL (BTOC): 22.66 FT. TIME: 13:12 | BTOC WELL SCREEN INTERVAL: 46.80 FT. to 51.80 FT.

MEASURED TOTAL WELL DEPTH (BGS): 52.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
13:35	Ø	21.00	5.75	112	1.48	97.0	2.68	23.05	first pull clear
13:41	440	21.09	5.71	84	1.57	100.0	1.59	23.06	brown tint + cloudy
13:45	~~560~~	21.18	5.70	82	1.60	82.2	1.24	23.1	
	760								
13:50	1080	21.27	5.71	79	1.64	57.7	1.01	23.1	
13:55	1400	21.32	5.73	76	1.67	36.5	0.97	23.08	
14:00	1760	21.36	5.74	73	1.70	25.1	0.84	23.07	
14:05	2040	21.39	5.78	68	1.72	22.8	0.81	23.07	few bubbles in tube
14:10	2400	21.46	5.80	62	1.74	15.1	0.73	23.07	
14:15	2740	21.58	5.80	61	1.76	15.2	0.71	~~23.18~~	23.08

COMMENTS:

SAMPLE COLLECTION TIME: 14:17

PREPARED BY: Patrick Gragson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	52
Initial tubing depth (ft.) BTOC	49
Final tubing depth (ft.) BTOC	49
Initial pump speed	7.12
Time pump speed was initialized	13:18
Pump speed at flow into cylinder	13.66
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	14:04								
Cummulative Volume (mL)	2000								

Additional remarks: Due to issues with silicone tubing and peristaltic pump, speed was increased

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-7

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Scattered clouds, ~63°F 0-5 mph N. Wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 15.00 FT. to 26.00 FT.

INITIAL WATER LEVEL (BTOC): 18.04 FT. | TIME: 14:16 | BTOC WELL SCREEN INTERVAL: 14.50 FT. to 25.50 FT.

MEASURED TOTAL WELL DEPTH (BGS): 22.14 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE 0.5 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
14:27	Ø	17.63	3.95	274	0.504	0.0	3.22	18.06	few organic particles in
14:32	1080	18.38	3.95	~~15~~ 281	0.519	0.0	1.91	18.06	first pull, rest clear
14:37	2100	18.75	3.93	238	0.531	0.0	1.58	18.06	
14:42	3120	18.95	3.91	284	0.544	0.0	1.63	18.06	

COMMENTS:

SAMPLE COLLECTION TIME: 14:44

PREPARED BY: Patrick Gregson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	23.5
Initial tubing depth (ft.) BTOC	20.0
Final tubing depth (ft.) BTOC	20.0
Initial pump speed	6.05
Time pump speed was initialized	14:23
Pump speed at flow into cylinder	6.05
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	14:36								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-8

DATE: 3/26/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Clear skies ~60°F 0-5 wind ~~ft~~ NE.

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 12.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 14.34 FT. TIME: 10:43 | BTOC WELL SCREEN INTERVAL: 11.70 FT. to 22.70 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 23.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
10:54	Ø	17.54	4.03	242	0.713	14.4	5.62	14.35	first pull clear
11:00	1580	18.22	3.93	269	0.747	0.0	4.10	14.36	
11:05	2900	18.72	3.93	274	0.734	1.1	3.57	14.36	

COMMENTS:

SAMPLE COLLECTION TIME: 11:07

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	22.0
Initial tubing depth (ft.) BTOC	18.5
Final tubing depth (ft.) BTOC	18.5
Initial pump speed	8.00
Time pump speed was initialized	10:52
Pump speed at flow into cylinder	8.00
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	11:01								
Cummulative Volume (mL)	2000								

Additional remarks: standing water on top of well cap. TOC remarked in black on N. side

Matrix spike collected

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE ____ OF ____

WELL/SAMPLE NO: MW-10

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: clear skies, slightly hazy ~65°F 0-5 MPH N. Wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 20.00 FT. to 30.00 FT.

INITIAL WATER LEVEL (BTOC): 19.9 FT. TIME: 15:59 | BTOC WELL SCREEN INTERVAL: 20.10 FT. to 30.10 FT.

MEASURED TOTAL WELL DEPTH (BGS): 30.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE +0.1 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
16:14	Ø	20.12	3.93	268	.781	0.0	4.41	20.14	first pull clear
16:19	640	19.91	3.90	294	.818	0.0	3.36	20.18	clear in cylinder
16:25	1540	20.01	3.88	311	.827	0.0	1.89	20.29	
180 16:30	2260	20.16	3.88	320	.823	0.0	1.71	20.29	

COMMENTS:

SAMPLE COLLECTION TIME: 16:31

PREPARED BY: A. [illegible]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	28.5
Initial tubing depth (ft.) BTOC	25.0
Final tubing depth (ft.) BTOC	25.0
Initial pump speed	7.01
Time pump speed was initialized	16:07
Pump speed at flow into cylinder	7.01
Started new roll of tubing at	—
Three well volume (mL)	—

@ 16:20 increased pump speed to 10.02 to compensate for larger silicone tubing size

2,000 mL volume poured into bucket:

Time	16:29								
Cummulative Volume (mL)	2080								

Additional remarks: began using 3/16" ~~1/4"~~ silicone tubing, slower coming up hole ~~that~~ but picked up speed once water got to pump rollers

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-11

DATE: 3/25/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: clear skies sunny ~60°F 0-5 MPH breeze

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 17.00 FT. to 27.00 FT.

INITIAL WATER LEVEL (BTOC): 20.77 FT. | TIME: 10:29 | BTOC WELL SCREEN INTERVAL: 16.70 FT. to 26.70 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 30.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
10:43	Ø	16.54	4.73	284	0.198	7.6	4.97	20.79	first pull clear
10:48	1370	17.97	4.18	332	0.193	16.8	5.46	20.79	water is clear
10:53	2760	18.10	4.19	345	0.190	11.5	5.11	20.79	in cylinder
10:58	4100	18.2	4.19	351	0.190	6.7	5.06	20.79	

COMMENTS:

SAMPLE COLLECTION TIME: 10:59

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	26.0
Initial tubing depth (ft.) BTOC	24.0
Final tubing depth (ft.) BTOC	24.0
Initial pump speed	8.11
Time pump speed was initialized	10:40
Pump speed at flow into cylinder	8.11
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	10:50	10:58							
Cummulative Volume (mL)	2000	4100							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-12

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Clear skies, Sunny ~55°F no wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 12.00 FT. to 22.00 FT.

INITIAL WATER LEVEL (BTOC): 15.55 FT. TIME: 9:51 | BTOC WELL SCREEN INTERVAL: 11.75 FT. to 21.75 FT.

MEASURED TOTAL WELL DEPTH (BGS): 22.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.25 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
10:00	Ø	14.33	5.72	229	1.02	0.0	3.7	15.57	first pull clear
10:05	1660	17.65	6.08	218	1.03	6.5	1.75	15.55	
10:10	3220	17.98	6.02	216	1.06	8.5	1.51	15.57	
10:16	4900	18.41	5.95	215	1.07	0.0	1.42	15.57	
1,90 10:20	6080	18.64	5.93	213	1.07	0.0	1.38	15.57	

COMMENTS:

SAMPLE COLLECTION TIME: 10:21

PREPARED BY: Patrick Gragson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	22.0
Initial tubing depth (ft.) BTOC	19.0
Final tubing depth (ft.) BTOC	19.0
Initial pump speed	8.08
Time pump speed was initialized	9:57
Pump speed at flow into cylinder	8.08
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	10:06	10:114							
Cummulative Volume (mL)	2000	~~2400~~ 4400							

Additional remarks:
replaced existing well cap with new cap
traffic cone was placed on top of well vault

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-13

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Hazy ~65°F No wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 12.00 FT. to 22.00 FT.

INITIAL WATER LEVEL (BTOC): 15.24 FT. TIME: ~~14:19~~ 17:09 | BTOC WELL SCREEN INTERVAL: 11.70 FT. to 21.70 FT.

MEASURED TOTAL WELL DEPTH (BGS): 16.57 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
17:20	Ø	18.30	4.79	247	0.473	0.0	3.62	15.27	first pull clear
17:25	~~1380~~ 980	18.04	4.85	235	0.474	0.0	1.44	15.27	
17:30	1960	17.92	4.91	144	~~0.433~~ 0.443	0.0	1.19	15.29	
17:35	2900	17.83	4.93	93	0.421	0.0	1.12	15.29	
1840 17:40	3860	17.75	4.95	77	0.415	0.0	0.91	15.29	

COMMENTS:

SAMPLE COLLECTION TIME: 17:41

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	19.5
Initial tubing depth (ft.) BTOC	16.0
Final tubing depth (ft.) BTOC	16.0
Initial pump speed	4.11
Time pump speed was initialized	17:16
Pump speed at flow into cylinder	4.11
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	17:30	17:41							
Cummulative Volume (mL)	2020	4020							

Additional remarks:

72
67
5
69

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-14

DATE: 3/25/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Clear skies, sun setting 5-15 MPH N. Wind ~50° F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 67.00 FT. to 72.00 FT.

INITIAL WATER LEVEL (BTOC): 23.52 FT. | TIME: 18:49 | BTOC WELL SCREEN INTERVAL: 66.85 FT. to 71.85 FT.

MEASURED TOTAL WELL DEPTH (BGS): 72.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.15 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
19:01	~~17.20~~ Apr	17.20	6.50	147	.278	10.8	3.04	23.21	first pull clear
19:06	1340	18.51	9.96	-190	.348	44.9	1.34	23.78	translucent brown
19:11	2680	18.21	9.44	-191	.320	35.1	1.07	24.02	color in cylinder
19:16	4040	18.20	8.17	-171	.303	19.1	0.89	24.11	
19:21	5380	18.29	7.75	-161	.291	13.2	0.82	24.14	
19:26	6700	18.58	7.68	-160	.286	9.4	0.76	24.17	water in cylinder
19:31	8000	18.55	7.56	-157	.281	7.4	0.73	24.18	is becoming clear
19:36	9340	18.36	7.47	-152	.275	~~0.7~~ 166	0.71	24.18	
19:41	10700	18.51	7.40	-148	.271	6.5	0.68	24.19	
19:46	11940	18.53	7.40	-146	.267	5.8	0.66	24.19	

COMMENTS:

SAMPLE COLLECTION TIME: 19:48

PREPARED BY: Patrick Gragson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	72
Initial tubing depth (ft.) BTOC	69
Final tubing depth (ft.) BTOC	69
Initial pump speed	8.02
Time pump speed was initialized	18:59
Pump speed at flow into cylinder	8.02
Started new roll of tubing at	
Three well volume (mL)	

2,000 mL volume poured into bucket:

Time	19:08	19:15	19:23	19:30	19:38				
Cummulative Volume (mL)	2000	4000	6000	8000	10100				

Additional remarks: Alan marked TOC on N. side w/ black marker
water 1/4" below TOC, bailed out

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-15

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Clear skies ~48°F 0-5 MPH N. wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 18.86 FT. TIME: 8:48 | BTOC WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

MEASURED TOTAL WELL DEPTH (BGS): 20.11 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE 0 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
9:01	0	16.57	5.44	260	5.04	0.0	3.45	19.14	couple pieces of organic
9:06	640	17.11	4.75	303	5.23	0.0	2.08	19.05	matter in first pull
9:11	1060	16.63	4.42	300	5.14	0.0	1.74	19.02	first ~3" brown tint, rest clear
9:16	1500	16.50	4.31	297	5.05	0.0	1.57	19.02	
9:21	1920	16.50	4.27	296	5.00	0.0	1.43	19.02	Clear in cylinder
9:26	2320	16.50	4.30	292	4.94	0.0	1.32	19.02	

COMMENTS:

SAMPLE COLLECTION TIME: 9:29

PREPARED BY: Patrick Gragson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	23.25
Initial tubing depth (ft.) BTOC	19.25
Final tubing depth (ft.) BTOC	id
Initial pump speed	5.05
Time pump speed was initialized	8:57
Pump speed at flow into cylinder	5.05
Started new roll of tubing at	
Three well volume (mL)	

@9:04 + 420 mL slowed pump to 2.99 due to bubbles in tubing and dropping water level

2,000 mL volume poured into bucket:

Time	9:22								
Cummulative Volume (mL)	2000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-16

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: clear skies 0-5 MPH N. wind ~63°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 14.00 FT. to 24.00 FT.

INITIAL WATER LEVEL (BTOC): 17.16 FT. TIME: 15:11 | BTOC WELL SCREEN INTERVAL: 13.80 FT. to 23.80 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 24.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
15:20	0	19.35	4.98	232	0.030	0.0	5.60	17.20	First pull clear
15:25	1340	19.46	4.94	235	0.030	0.0	5.13	17.20	few bubbles in tube
15:30	2680	19.59	4.96	236	0.030	0.0	4.99	17.20	

COMMENTS:

SAMPLE COLLECTION TIME: 15:32

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	24.5
Initial tubing depth (ft.) BTOC	21.0
Final tubing depth (ft.) BTOC	21.0
Initial pump speed	7.06
Time pump speed was initialized	15:17
Pump speed at flow into cylinder	7.06
Started new roll of tubing at	
Three well volume (mL)	

2,000 mL volume poured into bucket:

Time	15:28								
Cummulative Volume (mL)	2080								

Additional remarks: 1.5" of standing water 0.25" below TOC, bailed before purging began

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-17

DATE: 3/27/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Sunny ~68°F, 0-5 mph wind SW

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 50.00 FT. to 60.00 FT.

INITIAL WATER LEVEL (BTOC): 14.38 FT. TIME: 16:11 | BTOC WELL SCREEN INTERVAL: 49.55 FT. to 59.55 FT.

MEASURED TOTAL WELL DEPTH (BGS): 60.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.45 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
16:13	200	19.84	6.48	105	0.303	30.0	3.67	14.35	
16:18	2860	19.83	7.34	41	0.430	58.7	0.93	14.36	light brown tint in
16:24	4380	19.83	7.46	21	0.409	48.1	0.69	14.35	cylinder
16:30	7680	19.73	7.49	8	0.410	15.5	0.56	14.35	
16:35	9340	19.70	7.50	2	0.413	9.6	0.48	14.35	

COMMENTS:

SAMPLE COLLECTION TIME: 16:36

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	57
Initial tubing depth (ft.) BTOC	55
Final tubing depth (ft.) BTOC	55
Initial pump speed	8.50
Time pump speed was initialized	16:11
Pump speed at flow into cylinder	8.50
Started new roll of tubing at	yes
Three well volume (mL)	—

16:21 rd @ 280 after speed changed to 7.05

2,000 mL volume poured into bucket:

Time	16:16	16:20	16:25	16:31					
Cummulative Volume (mL)	2000	4000	6000	8000					

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-18

DATE: 3/26/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Clear skies, sun rising ~45° F slight breeze from N.

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 16.0 FT. | TIME: 8:03 | BTOC WELL SCREEN INTERVAL: 21.60 FT. to 31.60 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.4 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
8:14	Ø	19.67	6.77	155	1.87	0.0	3.96	16.02	First pull clear
8:19	1240	21.12	6.77	135	1.88	0.0	2.06	16.02	few bubbles in tube
8:24	2500	21.36	6.79	124	1.88	0.8	1.36	16.02	

COMMENTS:

SAMPLE COLLECTION TIME: 8:26

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.0
Initial tubing depth (ft.) BTOC	27.0
Final tubing depth (ft.) BTOC	27.0
Initial pump speed	7.08
Time pump speed was initialized	8:12
Pump speed at flow into cylinder	7.08
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	8:23								
Cummulative Volume (mL)	2140								

Additional remarks: Replaced existing cap with new well cap

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-19

DATE: 3/25/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Sunny ~ 65°F, 3-7 mph wind NW

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 16.92 FT. | TIME: 11:27 | BTOC WELL SCREEN INTERVAL: 21.65 FT. to 31.65 FT.

MEASURED TOTAL WELL DEPTH (BGS): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.35 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
11:38	0	17.41	4.32	296	1.420	555	2.46	16.93	air bubbles on
11:43	1200	19.52	4.22	276	1.420	538	2.38	16.93	first draw
11:49	2600	20.08	4.25	~~286~~ 273	2.1.410	405	1.69	16.93	cloudy in cylinder
11:54	3400	20.19	4.25	274	1.400	329	1.84	16.93	
12:00	4820	20.27	4.27	275	1.400	244	1.34	16.91	
12:05	6660	20.33	4.28	277	1.390	180	1.16	16.92	
12:10	8900	20.43	4.29	278	1.390	145	0.99	16.93	
12:15	9140	20.53	4.30	279	1.390	125	0.94	16.92	
12:20	10320	20.52	4.31	282	1.380	95	0.85	16.93	

COMMENTS:

SAMPLE COLLECTION TIME: 12:22

PREPARED BY: Will Gatt

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30
Initial tubing depth (ft.) BTOC	26
Final tubing depth (ft.) BTOC	26
Initial pump speed	8.10
Time pump speed was initialized	11:36
Pump speed at flow into cylinder	8.11
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	11:49	11:56	12:04	12:13					
Cummulative Volume (mL)	2600	2000	2000	2000					

Additional remarks: standing water in well + well was pressurized. When well cap was removed air pressure was released

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-20

DATE: 3/27/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Partly cloudy, ~45°F 0-5 MPH N, Mild

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 16.64 FT. | TIME: 8:55 | BTOC WELL SCREEN INTERVAL: 21.75 FT. to 31.75 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.25 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
9:08	Ø	17.27	6.48	181	0.237	3.2	6.53	16.63	first pull clear
9:14	1420	17.40	4.38	294	0.247	0.0	7.11	16.63	few air bubbles
9:19	2560	17.53	4.37	302	~~0.0~~	0.0	6.65	16.62	
					0.251				
9:24	3700	17.58	4.34	308	0.263	0.0	6.49	16.62	clear in cylinder

COMMENTS:

SAMPLE COLLECTION TIME: 9:25

PREPARED BY: Patrick Gingson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.5
Initial tubing depth (ft.) BTOC	27.0
Final tubing depth (ft.) BTOC	27.0
Initial pump speed	7.02
Time pump speed was initialized	9:02
Pump speed at flow into cylinder	7.11
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	9:16								
Cummulative Volume (mL)	2000								

Additional remarks: PVC well cap was replaced with new well cap

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE ____ OF ____

WELL/SAMPLE NO: MW-21

DATE: 3/27/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Scattered clouds ~70°F 0-5 MPH SE Wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 17.57 FT. TIME: 15:00 | BTOC WELL SCREEN INTERVAL: 21.93 FT. to 31.93 FT.

MEASURED TOTAL WELL DEPTH (BGS): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.075 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
15:09	Ø	21.92	5.44	132	0.216	24.7	4.44	17.53	First pull clear
15:14	1580	21.75	5.27	177	0.218	~~20~~ 30.9	4.40	17.53	
15:19	2840	21.73	5.27	184	0.220	42.6	4.57	17.53	few air bubbles in tube
1740 15:24	4140	21.74	5.19	191	0.222	33.2	3.86	17.53	
15:30	5220	21.69	5.17	193	0.222	19.0	3.65	17.53	
15:35	6200	21.74	5.17	194	0.222	14.1	3.55	17.53	

COMMENTS:

SAMPLE COLLECTION TIME: 15:36

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	30.0
Initial tubing depth (ft.) BTOC	27.0
Final tubing depth (ft.) BTOC	27.0
Initial pump speed	7.05
Time pump speed was initialized	15:07
Pump speed at flow into cylinder	7.05
Started new roll of tubing at	
Three well volume (mL)	

2,000 mL volume poured into bucket:

Time	15:17	15:25	15:33						
Cummulative Volume (mL)	2400	4000	6000						

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-22

DATE: 3/27/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: partly cloudy ~50°F 0-5 MPH N. wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 24.00 FT. to 34.00 FT.

INITIAL WATER LEVEL (BTOC): 18.92 FT. TIME: 9:58 | BTOC WELL SCREEN INTERVAL: 23.80 FT. to 33.80 FT.

MEASURED TOTAL WELL DEPTH (BGS): 35.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
10:07	Ø	14.86	3.82	317	0.679	555	4.81	18.99	first pull clear
10:12	1280	16.23	3.84	333	0.688	292	4.35	18.99	water is cloudy in cylinder
10:18	2780	17.24	3.84	339	0.675	172	3.09	18.99	few bubbles
10:24	3480	17.75	3.85	344	0.657	83.6	2.48	18.99	
10:29	4640	18.09	3.86	348	0.650	40.5	3.02	18.99	
10:34	5740	18.35	3.86	352	0.649	21.6	3.08	18.99	
10:39	6920	18.5	3.86	356	0.650	9.9	2.99	18.99	

COMMENTS:

SAMPLE COLLECTION TIME: 10:40

PREPARED BY: Patrick Grayson

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	31.0
Initial tubing depth (ft.) BTOC	29.0
Final tubing depth (ft.) BTOC	29.0
Initial pump speed	7.06
Time pump speed was initialized	10:04
Pump speed at flow into cylinder	7.06
Started new roll of tubing at	—
Three well volume (mL)	✓

Matrix spike collected

2,000 mL volume poured into bucket:

Time	10:15	10:26	10:36						
Cummulative Volume (mL)	2000	4000	6400						

Additional remarks: well was pressurized when cap was removed

At 10:23 realized pump ~~was it~~ had been switched into reverse switched it back

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: Equipment Blank

DATE: 3/27/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: cloudy ~65°F 2-3 mph NW wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: — FT. to — FT.

INITIAL WATER LEVEL (BTOC): N/A FT. TIME: N/A | BTOC WELL SCREEN INTERVAL: — FT. to — FT.

HISTORICAL TOTAL WELL DEPTH (BTOC): FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | HEIGHT OF STICK-UP: FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / 9060 A / 6010 / 9056 A / RSK -175

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
					N/A				

COMMENTS:

SAMPLE COLLECTION TIME: 16:56

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	10
Initial tubing depth (ft.) BTOC	—
Final tubing depth (ft.) BTOC	—
Initial pump speed	13.96
Time pump speed was initialized	16:50
Pump speed at flow into cylinder	—
Started new roll of tubing at	—
Three well volume (mL)	—

Teflon tubing

2,000 mL volume poured into bucket:

Time									
Cummulative Volume (mL)									

Additional remarks:

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT B

EIC September 2014 Well Purging and Sampling Field Logs

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

DATE: 9/4/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO:	MW-1
PROJECT NO: 400007 - 4.5	
WEATHER CONDITIONS:	Mostly cloudy, very humid, N 85°F 15 mph wind
SAMPLE TYPE:	[X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER
WELL DIAMETER (IN.)	[ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER
BGS WELL SCREEN INTERVAL:	19.50 FT. to 29.50 FT.
INITIAL WATER LEVEL (BTOC):	27.71 FT. TIME: 10:39
BTOC WELL SCREEN INTERVAL:	22.01 FT. to 32.01 FT.
MEASURED TOTAL WELL DEPTH (BGS):	32.51 FT.
MEASURED TOTAL WELL DEPTH (BTOC):	FT.
HEIGHT OF STICK-UP:	2.51 FT.
PURGING DEVICE: Pegasus Alexis Peristaltic Pump	[ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED
SAMPLING DEVICE: 1/4" Teflon lined tubing	[ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED
EQUIP. DECON.	[X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
	[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE
CONTAINER PRESERVATION:	[X] LAB PRESERVED [ ] FIELD PRESERVED
ANALYTICAL PARAMETERS: 8081 B ~~/ 8080 A / 6010 / 8260 A / RSK-175~~	S.H. PH Meter: Thermo Scientific Russel RL060P #310011
LABORATORY PERFORMING ANALYSIS: Xenco	WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo P
10:57	0	25.05	3.81	298	0.552	0.0	3.26	27.71	Clear liquid in	3.36
11:02	1040	24.20	3.60	353	0.577	0.0	2.77	27.71	tubing (initial)	3.29
11:07	2080	23.85	3.70	359	0.603	0.0	3.35	27.71		3.39
11:12	3360	22.68	3.66	382	0.630	2.2	4.99	27.71		3.43
11:17	3780	23.21	3.70	382	0.630	4.5	4.99	27.71		3.44

COMMENTS:

SAMPLE COLLECTION TIME: 11:19

PREPARED BY: [signature]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.

Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 30, cut 34

Length of tubing cut (ft.)	34
Initial tubing depth (ft.) BTOC	30
Final tubing depth (ft.) BTOC	30
Initial pump speed	7.0
Time pump speed was initialized	10:57
Pump speed at flow into cylinder	7.0
Started new roll of tubing at	—
Three well volume (mL)	—

Tubing needed:

32.01 − 27.71 = 4.30 / 2 = 2.15

32.01 − 2.15 = 29.86 (30)

2,000 mL volume poured into bucket:

Time	11:07	11:19							
Cummulative Volume (mL)	2000	4000							

Additional remarks: Remarked well name on side of metal casing for easy I.D.

Calibrated Thermo

7.0 = 7.01 4.0 = 4.01 10.0 = 10.01

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-1A

DATE: 9/4/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Mostly cloudy, cool, humid, ~85°F, 5 mph wind.

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [X] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 23.00 FT. to 33.00 FT.

INITIAL WATER LEVEL (BTOC): 27.83 FT. TIME: 11:36 | BTOC WELL SCREEN INTERVAL: 25.85 FT. to 35.85 FT.

MPS. BTOC 36.81

MEASURED TOTAL WELL DEPTH (BGS): ~~39.85~~ FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | HEIGHT OF STICK-UP: 2.85 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump (tubing) [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing (cut to length) [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SK | pH Meter: Thermo Russel RL060P Serial # 310011

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
11:54	0	~~8~~ 25.22	3.74	344	1.00	29.0	2.38	27.82	Initial water in	3.52
11:59	1160	23.19	3.61	366	0.803	28.03	2.14	27.82	tubing clear	3.55
12:04	2180	22.49	3.68	365	0.823	34.2	3.54	27.83		3.55
12:09	3120	22.51	3.68	375	0.813	40.6	3.61	27.83		3.55
12:14	4220	22.15	3.78	372	0.818	35.4	3.61	27.83		3.58

COMMENTS:

SAMPLE COLLECTION TIME: 12:17

PREPARED BY: Alan Combs

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 32.5 cut 36.5

Length of tubing cut (ft.)	36.5
Initial tubing depth (ft.) BTOC	32.5
Final tubing depth (ft.) BTOC	32.5
Initial pump speed	0.99
Time pump speed was initialized	11:50
Pump speed at flow into cylinder	6.00
Started new roll of tubing at	—
Three well volume (mL)	—

36.81
27.83
8.98/2
4.49

Tubing Length
36.81
− 4.49
32.32

2,000 mL volume poured into bucket:

Time	12:03	12:13							
Cummulative Volume (mL)	2000	4000							

Additional remarks:

mostly

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-2

DATE: 9/3/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: cloudy ~92°F ~no wind, VERY humid

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 21.47 FT. TIME: 8:22 | BTOC WELL SCREEN INTERVAL: 15.85 FT. to 25.85 FT.

MEASURED TOTAL WELL DEPTH (BGS): 27.85 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | HEIGHT OF STICK-UP: 2.85 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B ~~/ 8060 A / 6010 / 9056 A / RSK 175~~ SH | pH Meter: Thermo Russel RL060P serial # 310011

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
8:39	0	20.00	5.69	177	0.064	0.0	2.08	21.62	
8:44	2000	19.07	3.85	213	0.064	0.0	1.56	21.62	
8:50	4000	18.95	3.91	199	0.074	0.0	1.24	21.62	
8:55	5600	18.94	3.86	226	0.075	0.0	1.16	21.61	

COMMENTS:

SAMPLE COLLECTION TIME: 8:58

PREPARED BY: Will Grant

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	28
Initial tubing depth (ft.) BTOC	23.5
Final tubing depth (ft.) BTOC	23.5
Initial pump speed	9.03
Time pump speed was initialized	8:36
Pump speed at flow into cylinder	9.03
Started new roll of tubing at	—
Three well volume (mL)	11828

2,000 mL volume poured into bucket:

Time	8:44	8:50							
Cummulative Volume (mL)	2000	4000							

Additional remarks: first pull is clear.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

DATE: 9/4/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-3	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: mostly cloudy, very humid, ~ 80°F, 0-5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 15.00 FT. to 25.00 FT.

INITIAL WATER LEVEL (BTOC) 19 20.84 FT. TIME: 8:35

BTOC WELL SCREEN INTERVAL: 17.83 FT. to 27.83 FT.

MEASURED TOTAL WELL DEPTH (BGS): 25.0 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. HEIGHT OF STICK-UP: 2.83 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B ~~7 9060 A / 6010 / 9056 A / RSK-175~~ SH | PH Meter: Thermo Russel RL060P Serial # 310011

LABORATORY PERFORMING ANALYSIS: Xenco WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
8:47	0	21.11	6.53	203	0.089	15.6	5.74	19.90	~~Int~~ Initial water	4.98
8:55	1420	20.16	4.58	231	0.073	15.8	5.52	19.88	in tubing clear	4.65
8:58	2000	19.98	5.20	200	0.073	17.0	5.22	19.88		4.64
9:01	3440	19.98	4.65	281	0.072	17.5	4.97	19.88		4.71

COMMENTS:

SAMPLE COLLECTION TIME: 9:03

PREPARED BY: [signature]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	28.5
Initial tubing depth (ft.) BTOC	24.50
Final tubing depth (ft.) BTOC	24.50
Initial pump speed	6.98
Time pump speed was initialized	8:43
Pump speed at flow into cylinder	6.98
Started new roll of tubing at	—
Three well volume (mL)	—

~~mark cut~~ 24.5 28.5

Tubing Needed:
27.83 − 20.84 = 6.99
6.99/2 = 3.50
27.83 − 3.50 = 24.34

Thermo pH calibration:
4.00 → 4.01
7.00 → 7.01
10.00 → 10.0

2,000 mL volume poured into bucket:

Time	8:53	9:02							
Cummulative Volume (mL)	2000	2000							

Additional remarks: well concrete pad has been cracked apart due to frost impacting it when clearing recently.

1940
2000

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

DATE: 9/4/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO:	MW-4U
PROJECT NO: 400007 - 4.5	
WEATHER CONDITIONS:	Mostly cloudy, very humid, ~80°F, <5 mph wind
SAMPLE TYPE:	[X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER
WELL DIAMETER (IN.)	[ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER
BGS WELL SCREEN INTERVAL:	16.00 FT. to 31.00 FT.
INITIAL WATER LEVEL (BTOC):	25.96 FT. TIME: 9:31
BTOC WELL SCREEN INTERVAL:	18.05 FT. to 33.05 FT.
MEASURED TOTAL WELL DEPTH (BGS):	33.05 FT.
MEASURED TOTAL WELL DEPTH (BTOC)	FT.
HEIGHT OF STICK-UP:	2.05 FT.
PURGING DEVICE: Pegasus Alexis Peristaltic Pump	[ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED
SAMPLING DEVICE: 1/4" Teflon lined tubing	[ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED
EQUIP. DECON.	[X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY [ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE
CONTAINER PRESERVATION:	[X] LAB PRESERVED [ ] FIELD PRESERVED
ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SM	pH Meter: Thermo Russell RL060P Serial # 310011
LABORATORY PERFORMING ANALYSIS: Xenco	WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
9:45	0	23.54	4.27	236	0.181	0.0	5.56	25.98	Initial water is	4.07
9:50	1140	21.92	4.08	281	0.193	0.0	5.07	25.98	Fading to clear	3.78
9:55	2180	21.35	3.96	295	0.196	0.0	5.05	25.96	Few air bubbles rising	3.75
10:00	3220	21.30	3.68	309	0.198	0.0	4.95	25.98		3.76

COMMENTS:

SAMPLE COLLECTION TIME: 10:02

PREPARED BY: [signature]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 29.5 cut 32.5

Length of tubing cut (ft.)	32.5
Initial tubing depth (ft.) BTOC	29.5
Final tubing depth (ft.) BTOC	29.5
Initial pump speed	7.04
Time pump speed was initialized	9:42
Pump speed at flow into cylinder	7.04
Started new roll of tubing at	—
Three well volume (mL)	—

Tubing needed

33.05 − 25.96 = 7.09/2 = 3.55

33.05 + 3.55 = 29.50

~~Thermo calibration~~

2,000 mL volume poured into bucket:

Time	9:54								
Cummulative Volume (mL)	2000								

Additional remarks: Remarked well on west side with black permanent marker

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

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DATE: 9/5/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-5A	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Fair, few clouds, ~ 75°F, moderate humidity, c 5 mph wind.

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 16.50 FT. to 26.50 FT.

INITIAL WATER LEVEL (BTOC): 19.43 FT. TIME: 8:19

BTOC WELL SCREEN INTERVAL: 16.20 FT. to 26.20 FT.

MEASURED TOTAL WELL DEPTH (BGS): 27.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ 5 H (Thermo Russel RL 06 OP Serial # 3100 M)

LABORATORY PERFORMING ANALYSIS: Xenco

WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo PH
8:54	~~8~~ 300	24.23	4.02	285	0.855	144	1.69	19.50	Tan tint &	3.86
9:59	1630	23.88	3.96	302	0.838	0.0	1.55	19.50	cloudy (water	3.83
9:04	3300	23.84	4.03	308	0.829	0.0	1.47	19.50	in cylinder)	3.88

COMMENTS:

SAMPLE COLLECTION TIME: 9:07

PREPARED BY: [signature]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

March 23, Cut 24

Length of tubing cut (ft.)	24
Initial tubing depth (ft.) BTOC	23
Final tubing depth (ft.) BTOC	23
Initial pump speed	8.03
Time pump speed was initialized	8:32
Pump speed at flow into cylinder	8.03
Started new roll of tubing at	—
Three well volume (mL)	—

Tubing Needed:

26.20
19.43
6.77/2 = 3.385
26.20
− 3.385
~~23.28~~ 22.8 (23)

Horiba calibration
pH = 4.02
SC = 4.53
NTU = ~~4~~ 0.1
DO = 9.51 mg/L
% DO = 120.8
Temp = 26.01

2,000 mL volume poured into bucket:

Time	9:01								
Cummulative Volume (mL)	2500								

Additional remarks: Collected equipment rinsate blank using 24" of tubing, 6" of silicon tubing, ~~& 6" of tefloon tubing~~ prior to sampling at ~~8:30~~. Calibrated Thermo pH meter.

700
2500
3300

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

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DATE: ~~7/8/14~~ 9/3/14	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-5D	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: ~82°F, Mostly Cloudy, very humid

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 15.00 FT. to 25.00 FT.

INITIAL WATER LEVEL (BTOC): 18.81 FT. TIME: 19:12

BTOC WELL SCREEN INTERVAL: 14.80 FT. to 24.80 FT.

MEASURED TOTAL WELL DEPTH (BGS): 25.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SH [X] Thermo Russel RL060P PH meter (Serial # 31001)

LABORATORY PERFORMING ANALYSIS: Xenco WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
19:22	0	26.34	3.98	288	1.07	12.10	2.38	19.06	Thermop.
19:27	1640	25.13	3.52	305	1.01	0.0	0.87	19.05	4.02
19:32	2940	24.97	3.45	305	0.993	0.0	0.76	19.05	3.21
19:37	4300	24.94	3.62	300	0.988	0.0	0.71	19.05	3.01
									3.03

COMMENTS:

SAMPLE COLLECTION TIME: 19:40

PREPARED BY: Allen Smith

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	26
Initial tubing depth (ft.) BTOC	22
Final tubing depth (ft.) BTOC	22
Initial pump speed	7.99
Time pump speed was initialized	19:18
Pump speed at flow into cylinder	7.99
Started new roll of tubing at	405 — 400' roll
Three well volume (mL)	

22 26 mark cut

Tubing needed:

24.80 − 17.81 = 5.99/2 = 2.995

24.80 − 2.995 = 21.81 (22)

2,000 mL volume poured into bucket:

Time	19:28	19:36							
Cummulative Volume (mL)	2000	4000							

Additional remarks:

940

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

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DATE: 9/4/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-6	PROJECT NO: 400007-4.5

WEATHER CONDITIONS: Partly Cloudy, Very humid, ~85°F, ~5 mph wind, T-storm in area

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER — BGS WELL SCREEN INTERVAL: 47.00 FT. to 52.00 FT.

INITIAL WATER LEVEL (BTOC): 24.86 FT. TIME: 18:22 — BTOC WELL SCREEN INTERVAL: 46.80 FT. to 51.80 FT.

MEASURED TOTAL WELL DEPTH (BGS): 52.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SH

LABORATORY PERFORMING ANALYSIS: Xenco — WATER ANALYZER MODEL: Horiba U-52 — SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
18:36	0	25.13	4.66	195	1.33	126	1.23	25.65	1st w 8" Turbid	4.21
18:41	980	24.35	4.70	190	1.39	115	0.72	25.96	& orange color	4.81
18:46	1840	23.23	5.50	124	1.60	103	0.63	26.09	& odor	5.50
18:54	3400	23.13	5.42	79	1.77	100	1.71	26.15	following	5.62
19:00	4440	22.92	5.62	71	1.85	88.7	0.49	26.15		5.65
19:05	7420	22.84	5.70	65	1.87	86.0	0.66	26.15		5.63

DTW 26.15

COMMENTS:

SAMPLE COLLECTION TIME: 19:07

PREPARED BY: Adam Smith

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US.EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	~~51~~ 51
Initial tubing depth (ft.) BTOC	~~49~~
Final tubing depth (ft.) BTOC	49
Initial pump speed	7.05
Time pump speed was initialized	18:32
Pump speed at flow into cylinder	7.05
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	18:49	NM							
Cummulative Volume (mL)	2500	0500							

Additional remarks:

400
2500
3400

25.65
- 24.86

1440
2500
3940

920
6500
7420

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

DATE: 9/3/2014 | PROJECT NAME: GPA Bainbridge | WELL/SAMPLE NO: MW-7

PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: ~85°F, mostly cloudy, very humid, < 5 mph wind speed.

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 15.00 FT. to 26.00 FT.

INITIAL WATER LEVEL (BTOC): 20.52 BTOC (FT.) TIME: 14:41 | BTOC WELL SCREEN INTERVAL: 14.50 FT. to 25.50 FT.

MEASURED TOTAL WELL DEPTH (BGS): ~ 22.26 ~~22.14~~ FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE 0.5 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SM (PH meter: Thermo Fisher RLP60P Serial # 210010

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
14:52	0	28.24	3.70	275	0.720	110	1.74	20.54	Dark tan color
14:57	1220	24.23	3.55	286	0.937	0.0	1.66	20.55	few bubbles
15:02	2420	28.19	3.55	293	0.936	0.0	1.54	20.55	14:55 saw small
15:07	3680	24.29	3.45	304	0.928	0.0	1.47	20.55	amount of vegetative
									matter in cylinder
									slight petroleum
									odor

COMMENTS:

SAMPLE COLLECTION TIME: 15:09

PREPARED BY: Adam Kindle

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	23.5
Initial tubing depth (ft.) BTOC	21.50
Final tubing depth (ft.) BTOC	21.50
Initial pump speed	7.00
Time pump speed was initialized	14:49
Pump speed at flow into cylinder	7.00
Started new roll of tubing at	
Three well volume (mL)	3,707 (for 2 feet)

21.50 mark

23.5 (cut)
22.26
20.52
01.74

22.26
.75 (off bottom)
21.51

2,000 mL volume poured into bucket:

Time	15:00								
Cummulative Volume (mL)	2,000								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

DATE: 9/3/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-8	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Mostly cloudy, ~85°F, very humid, < 5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 12.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 16.32 FT. TIME: 18:12

BTOC WELL SCREEN INTERVAL: 11.70 FT. to 22.70 FT.

MEASURED TOTAL WELL DEPTH (BGS): 23.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B ~~7/9050 A / 6010 / 9056 A / RSK-175~~ SH (pH meter: Thermo Orion RL060P serial # 3100[illegible])

LABORATORY PERFORMING ANALYSIS: Xenco WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Therma pH
18:23	0	30.87	3.78	267	0.770	0.0	1.34	16.35	Initial water in	3.48
18:28	1580	27.94	3.69	282	0.788	0.0	1.14	16.35	tubing clear	3.51
18:33	3120	27.60	3.60	288	0.754	0.0	0.93	16.35		3.56
18:38	4600	27.47	3.73	293	0.759	0.0	1.04	16.35		3.59
18:43	6120	27.32	3.42	307	0.736	0.0	1.00	16.36		3.72
18:48	7780	27.23	3.41	311	0.730	0.0	1.29	16.35		3.71

COMMENTS:

SAMPLE COLLECTION TIME: 18:50

PREPARED BY: Allen Stark

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	23.5
Initial tubing depth (ft.) BTOC	19.5
Final tubing depth (ft.) BTOC	19.5
Initial pump speed	4.97
Time pump speed was initialized	18:21
Pump speed at flow into cylinder	7.97
Started new roll of tubing at	—
Three well volume (mL)	—

19.5 (at mark) (at 23.5)

22.70
− 16.32
6.38/2
= 3.19

Tubing length
22.70
− 3.19
19.51

2,000 mL volume poured into bucket:

Time	2500	4500	7000						
Cummulative Volume (mL)	AM	18:37							

Additional remarks: ~~Thermo~~ Therma pH probe was calibrated before these readings

620
2500
3120

1620
4500
6120

780

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

DATE: 9/3/14	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-10	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Cloudy, high humidity ~95°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER — BGS WELL SCREEN INTERVAL: 20.00 FT. to 30.00 FT.

INITIAL WATER LEVEL (BTOC): 22.25 FT. TIME: 17:16 — BTOC WELL SCREEN INTERVAL: 20.10 FT. to 30.10 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 30.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE +0.1 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SH

pH Meter: Thermo Russel RL060P Serial # 310211

LABORATORY PERFORMING ANALYSIS: Xenco — WATER ANALYZER MODEL: Horiba U-52 — SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
17:26	380	26.22	3.71	348	0.879	0.0	2.08	22.57		4.45
17:31	1920	23.81	3.68	265	0.892	0.0	1.78	22.75	3.74	
17:36	3280	23.81	3.50	284	0.95	0.0	1.58	22.86		3.81
17:41	4800	23.99	3.63	288	0.911	0.0	1.43	22.95		3.76

COMMENTS: — SAMPLE COLLECTION TIME: 17:43 collected Duplicate sample as well.

PREPARED BY: Alan Smith

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	28
Initial tubing depth (ft.) BTOC	26
Final tubing depth (ft.) BTOC	26
Initial pump speed	8.99
Time pump speed was initialized	17:22
Pump speed at flow into cylinder	8.99
Started new roll of tubing at	—
Three well volume (mL)	—

2,000 mL volume poured into bucket:

Time	17:32	17:38							
Cummulative Volume (mL)	2000	4000							

Additional remarks: – Bolts on well vault were just loosely resting on lid not screwed in. Surveyors apparently didn't screw them in all the way during last trip.
– Powered Pegasus pump with battery inverter.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

DATE: 9/3/19	PROJECT NAME: GPA Bainbridge	WELL/SAMPLE NO: MW-11
		PROJECT NO: 400007 - 4.5

Mostly WEATHER CONDITIONS: ~~cloudy~~ ~85°F, very humid, <5mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER — BGS WELL SCREEN INTERVAL: 17.00 FT. to 27.00 FT.

INITIAL WATER LEVEL (BTOC): 23.29 FT. TIME: 9:21 — BTOC WELL SCREEN INTERVAL: 16.70 FT. to 26.70 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 30.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~8060 A / 6010 / 9056 A / RSK-175~~ SM ~~[illegible]~~

LABORATORY PERFORMING ANALYSIS: Xenco — WATER ANALYZER MODEL: Horiba U-52 — SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
9:33	0	21.46	3.87	243	0.186	0.0	3.78	23.35	Clear, no odor
9:39	1800	20.39	3.23	290	0.187	0.0	3.64	23.34	
9:44	2900	20.41	3.50	276	0.185	0.0	4.02	23.34	Few air bubbles in tube
9:49	4400	20.25	3.69	265	0.187	0.0	4.25	23.35	
9:54	5520	20.21	3.48	278	0.180	0.0	4.27	23.35	few air bubbles
10:00	7200	20.17	3.38	287	0.181	0.0	4.28	23.35	
10:05	8440	20.21	3.78	266	0.183	0.0	4.90	23.35	
10:10	9800	20.25	3.76	305	0.181	0.0	4.95	23.35	
10:15	11040	20.19	3.36	295	0.182	0.0	4.90	23.35	
10:20	12320	21.16	3.75	269	0.189	0.0	4.79	23.35	
10:24	13400	20.20	3.30	300	0.182	0.0	4.85	23.35	

COMMENTS:

SAMPLE COLLECTION TIME: 10:25

PREPARED BY: Alan Franklin [illegible]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	29
Initial tubing depth (ft.) BTOC	27
Final tubing depth (ft.) BTOC	27
Initial pump speed	9.07
Time pump speed was initialized	9:31
Pump speed at flow into cylinder	9.07
Started new roll of tubing at	—
Three well volume (mL)	~~13,000~~ 13,400

2,000 mL volume poured into bucket:

Time	9:40	9:47	9:55	10:02	10:11	10:19			
Cummulative Volume (mL)	2000	4000	6000	8000	10,000	12,000			

Additional remarks: ~~[illegible]~~ first pull is clear

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

DATE: 9/2/14	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-12	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: cloudy, ~95 °F, ~2 mph NE wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER

BGS WELL SCREEN INTERVAL: 12.00 FT. to 22.00 FT.

INITIAL WATER LEVEL (BTOC): 17.26 FT. TIME: 19:40

BTOC WELL SCREEN INTERVAL: 11.75 FT. to 21.75 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 22.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.25 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SM [illegible]

LABORATORY PERFORMING ANALYSIS: Xenco

WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
19:50	0	25.90	6.45	132	0.612	0.0	~~X~~ 6.25	17.61	clear, no odor
19:55	1240	23.80	6.62	140	0.636	0.0	1.52	17.61	
20:00	3100	23.48	6.81	127	0.634	0.0	1.10	17.61	
20:05	4340	23.48	6.95	117	0.660	0.0	0.92	17.62	
20:10	5580	23.40	6.68	132	0.626	0.0	0.74	17.61	
20:15	7320	23.32	6.82	123	0.622	0.0	0.67	17.63	
20:20	8340	23.31	6.87	117	0.619	0.0	0.62	17.62	

COMMENTS:

SAMPLE COLLECTION TIME: 20:24 3 well volumes reached

PREPARED BY: Will Gray

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	23
Initial tubing depth (ft.) BTOC	19
Final tubing depth (ft.) BTOC	19
Initial pump speed	8.14
Time pump speed was initialized	19:47
Pump speed at flow into cylinder	8.14
Started new roll of tubing at	—
Three well volume (mL)	8324

2,000 mL volume poured into bucket:

Time	19:57	20:04	20:11	20:18	20:25				
Cummulative Volume (mL)	2000	4000	~~6000~~ 6200	8200	~~X~~ 10,200				

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-13

DATE: 9/2/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: ~92°F, Humid, ~3.5mph wind speed, p. cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 12.00 FT. to 22.00 FT.

INITIAL WATER LEVEL (BTOC): 16.97 FT. | TIME: 14:07 | BTOC WELL SCREEN INTERVAL: 11.70 FT. to 21.70 FT.

MEASURED TOTAL WELL DEPTH (BGS): 16.57 FT. | MEASURED TOTAL WELL DEPTH (BTOC) 22.05 FT. | FLUSH-TO-GRADE ~0.3 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ 537

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

MEAS BTSF: DTB: 22.22

Restarted pump set Remarks

vol 3,460 time 15:20

7,380 vol

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
14:38	0	24.73	6.81	187	0.522	0.0	2.96	16.97	clear color, no odor
14:43	620	23.60	5.01	202	0.506	0.0	2.34	16.98	
14:48	1,200	23.30	4.94	212	0.493	1.30	2.09	16.97	
14:53	1,760	23.06	4.82	224	0.489	0.2	1.98	16.98	
14:58	2,360	22.97	5.19	200	0.491	10.9	1.87	16.98	
15:03	2,880	23.08	5.13	209	0.487	12.2	1.85	16.99	
15:08	3,460	23.12	4.97	218	0.487	9.0	1.82	16.98	
15:13	4,020	23.19	4.21	205	0.483	2.1	1.74	16.98	
15:18	4,760	23.61	5.03	216	0.480	0.0	1.71	16.98	
15:23	5,130	23.74	4.95	226	0.479	0.0	1.71	16.98	
15:28	5,680	23.66	4.75	237	0.478	0.0	1.72	16.97	
15:33	6,500	23.17	5.19	215	0.473	0.0	1.68	16.98	
15:38	[illegible]	23.11	4.84	228	0.473	0.0	1.67	16.98	
15:43	7,320	23.26	5.15	208	0.468	0.0	1.63	16.99	
15:50	8,080	23.97	4.84	227	0.457	0.0	1.63	16.98	
15:54	[illegible]	22.57	5.13	251	0.481	0.0	1.69	16.99	

COMMENTS: 19,100

SAMPLE COLLECTION TIME: 16:15 At 3 well vol.

PREPARED BY: Alex Arm

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	→
Initial tubing depth (ft.) BTOC	19
Final tubing depth (ft.) BTOC	19
Initial pump speed	4.21
Time pump speed was initialized	14:38
Pump speed at flow into cylinder	4.21
Started new roll of tubing at	—
Three well volume (mL)	9,267

Mark 19', cut 23'

15:29 Increased pump speed to 6.03

2,000 mL volume poured into bucket:

Time	14:55	15:12	15:30	15:42	15:54				
Cummulative Volume (mL)	2,000	4,000	6,000	8,000	10,000				

Additional remarks: Initial water in tubing clear
14:33 – Stopped pump to seat black o-rings in flow-through cell. Emptied cell.
14:35 – Restarted pump

~~360~~ 1880

Diff. between 17:10 + 17:15 water levels

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-14

DATE: 9/4/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Mostly cloudy, T-storms nearby, 5-10 mph wind, very humid, ~85°F

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 67.00 FT. to 72.00 FT.

INITIAL WATER LEVEL (BTOC): ~~N/A~~ 25.25 FT. TIME: ~~N/A~~ N/A | BTOC WELL SCREEN INTERVAL: 66.85 FT. to 71.85 FT.

MEASURED TOTAL WELL DEPTH (BGS): 72.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.15 FT.

MW locky 25.51 − 0.26 = ~~25.25~~ 25.25

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~8060 A / 6010 / 9056 A / RSK-175~~ 8H (pH meter: Thermo Russel RL060P Serial # 310011

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
17:10	0	26.40	8.76	154	0.337	28.2	1.80	25.51		9.07
17:15	1320	23.00	7.32	139	0.380	13.3	1.09	25.77	water in cylinder	9.28
17:20	2480	22.61	9.99	34	0.353	7.1	0.85	25.85	gas brown tint	9.02
17:25	3160	22.56	8.83	28	0.336	25.6	0.73	25.87	+ is cloudy	8.54
17:30	4000	22.48	8.59	18	0.328	36.1	0.64	25.87		8.72
17:35	~~4200~~	22.42	8.38	6	0.321	23.8	0.60	25.87		8.54
	840									
17:40	5040	22.37	8.02	−80	0.315	18.0	0.55	25.84		8.21
17:45	5880	22.33	7.72	−152	0.~~338~~ 04	9.9	0.55	25.82	light brown tint	7.53
17:50	6720	22.31	7.39	−151	0.300	7.0	0.60	25.80		7.37
17:55	7560	22.29	7.29	−146	0.297	4.8	0.57	25.80		7.25
18:00	8400	22.28	7.29	−155	0.293	2.7	0.54	25.80		7.22
18:05	9240	22.27	7.31	−163	0.290	1.9	0.51	25.80		7.20

COMMENTS: | SAMPLE COLLECTION TIME: 18:19 | PREPARED BY: [signature]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 69, cut 71

Length of tubing cut (ft.)	71
Initial tubing depth (ft.) BTOC	69
Final tubing depth (ft.) BTOC	69
Initial pump speed	7.02
Time pump speed was initialized	17:15
Pump speed at flow into cylinder	7.02
Started new roll of tubing at	—
Three well volume (mL)	—

71.85 − 2.5 (1/2 of 5' screen) = 69.35

2,000 mL volume poured into bucket:

Time	17:19	17:30	17:40	18:00					
Cummulative Volume (mL)	2000	4000	6500	8500					

Additional remarks: Thermo Serial #: 310011

~~1620~~ 1880 1240 6500 7740 920 8500 9420

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

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WELL/SAMPLE NO: MW-15

DATE: 9/3/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: ~85°F, mostly cloudy, very humid, <5 mph wind speed.

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

INITIAL WATER LEVEL (BTOC): 20.76 FT. TIME: 13:25 | BTOC WELL SCREEN INTERVAL: 13.00 FT. to 23.00 FT.

DTB 21.51 Hard bottom

MEASURED TOTAL WELL DEPTH (BGS): 21.51 ~~20.71*~~ FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE 0 FT.

from BTOC

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~8060 A / 6010 / 9056 A / RSK-175~~ CN

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
13:43	0	27.80	5.86	197	4.47	91.8	1.18	20.81	Light brown color
13:48	440	25.27	5.06	234	4.02	30.0	0.98	20.81	Turbidity is fair
13:53	940	25.01	4.61	247	3.82	30.0	0.87	20.81	
13:58	1340	24.81	4.40	248	3.77	8.0	0.85	20.81	
14:03	1790	24.75	4.29	250	3.77	8.0	0.75	20.81	→ 3 well vols

COMMENTS: | SAMPLE COLLECTION TIME: 14:04 | PREPARED BY: Alan Kimble

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	~~23.40~~ 22.70
Initial tubing depth (ft.) BTOC	21.40
Final tubing depth (ft.) BTOC	21.40
Initial pump speed *	3.01
Time pump speed was initialized	13:35
Pump speed at flow into cylinder	3.01
Started new roll of tubing at	—
Three well volume (mL)	~1400

21.40 mark + ~~23.40~~ 22.70 cut used, as last piece cut. Tubing is 0.11 ft off bottom

2,000 mL volume poured into bucket:

Time									
Cummulative Volume (mL)									

Additional remarks: * ~~Recommend~~ Recommend that pump speed be increased to ~7 during next sampling event as recharge is good.

Missing washer

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-16

DATE: 9/3/14 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: mostly cloudy, high humidity, ~ 90°F, ~5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 14.00 FT. to 24.00 FT.

INITIAL WATER LEVEL (BTOC): 19.44 FT. TIME: 15:54 | BTOC WELL SCREEN INTERVAL: 13.80 FT. to 23.80 FT.

MEASURED TOTAL WELL DEPTH (BGS): 24.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~8060 A / 6010 / 9056 A / RSK-175~~ 4x1 | pH meter: Thermo Russell RL060P serial # 3100N

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH ~~Horiba~~
16:06	0	30.56	4.78	236	0.027	0.0	5.37	19.48	1st water IN	NM
16:11	1280	29.51	4.72	272	0.026	5.9	4.69	19.49		NM
16:16	2320	28.74	4.73	244	0.025	0.0	4.54	19.49		NM
16:21	3760	28.29	3.96	299	0.025	0.0	4.58	19.49		NM
16:26	4700	28.15	4.76	250	0.029	0.0	4.46	19.49		4.00
16:31	5880	28.22	4.00	295	0.025	0.0	4.43	19.49		4.50
16:36	6900	28.31	4.75	251	0.025	0.0	4.34	19.49		~~4.10~~ 4.5
16:41	7840	28.38	4.75	259	0.026	0.0	4.33	19.49		4.55

COMMENTS:

SAMPLE COLLECTION TIME: 16:45

PREPARED BY: Adam Vandal

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	25.50
Initial tubing depth (ft.) BTOC	21.50
Final tubing depth (ft.) BTOC	21.50
Initial pump speed	7.12
Time pump speed was initialized	15:03
Pump speed at flow into cylinder	7.12
Started new roll of tubing at	—
Three well volume (mL)	—

mark 21.5
cut 23.5

23.80
19.44
4.36

Tubing needed

/2)

23.8 − (4.36 = 21.62

calibration of Thermo pH meter
4.00 standard = 4.01
7.00 " = 6.95
10.00 " = 10.01

2,000 mL volume poured into bucket:

Time	16:14	NM	16:35						
Cummulative Volume (mL)	2000	4500	6500						

Additional remarks: Bailed water out of vault. water level was ~ 1/4 inch above TOC. Brown/red bacterial in vault + film on surface

1340
6500
7840

4500
1380
5880

400

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WELL PURGING AND SAMPLING DATA LOG

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WELL/SAMPLE NO: MW-17

DATE: 9/2/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: 92.0 F, Humid, <5 mph wind, P. Cloudy

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 50.00 FT. to 60.00 FT.

INITIAL WATER LEVEL (BTOC): 16.40 FT. | TIME: 15:13 | BTOC WELL SCREEN INTERVAL: 49.55 FT. to 59.55 FT.

MEASURED TOTAL WELL DEPTH (BGS): 60.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) NM FT. | FLUSH-TO-GRADE ~0.45 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ SM

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

	TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
16	~~16:44~~	0	28.35	6.54	-28	0.134	56	2.61	16.44	Clear in tubing
16	~~16:49~~	1200	27.50	6.83	19	0.165	27.8	1.36	16.44	6:47 water to
	16:54	2200	27.10	7.09	19	0.218	43.5	1.00	16.44	cylinder was
vol 3230	16:59	3080	27.04	7.12	22	0.237	43.6	0.85	16.44	light brown
vol 4250	17:04	~~4250~~	26.88	7.14	24	0.277	43.8	0.75	16.43	tint, strong
	17:09	5470	26.88	7.17	24	0.278	39.8	0.68	16.43	black pepper odor
	17:14	5770	26.50	7.16	19	0.311	39.9	0.63	16.43	
	17:19	7550	26.38	6.95	30	0.328	39.5	0.59	16.43	
vol 9920	~~17:24~~	~~8720~~	26.27	7.17	6	0.338	37.5	0.56	16.43	During this
	17:30	~~10,140~~	26.16	7.16	-5	0.344	33.1	0.53	16.43	period, pH
	17:35	11,900	26.07	7.17	-21	0.358	26.8	0.52	16.43	stabilized
	17:40	11,940	26.00	7.90	-21	0.375	24.4	0.50	16.43	sp. conductivity
	17:45	13,040	25.96	7.18	-67	0.386	16.5	0.49	16.43	at 60%
	17:50	14,120	25.93	7.15	-83	0.378	13.1	0.48	16.43	
	17:50	15,240	25.89	7.17	-116	0.401	11.1	0.46	16.43	

COMMENTS: PH did not stabilize but collected sample due to time constraints

SAMPLE COLLECTION TIME: 17:56

PREPARED BY: Adam Marsh

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	~~59.60~~
Initial tubing depth (ft.) BTOC	55
Final tubing depth (ft.) BTOC	55
Initial pump speed	6:52
Time pump speed was initialized	16:41
Pump speed at flow into cylinder	6:52
Started new roll of tubing at	—
Three well volume (mL)	✓

- Added 1 ft because TOC ~ 1 ft below GS.

volume calculation

1440
10500
11940

540
1620
12500
14120

2,000 mL volume poured into bucket: 16:54 NM 17:12

Time	~~2150~~	~~4150~~	~~6150~~	12:22	13:33	17:42	17:54		
Cummulative Volume (mL)	2150	4150	6150	8500	11,500	12,500	15,000		

Additional remarks: Put new lock on well cap

4250
1220
5470

1220

volume calc

3080
150
3230

~~1420~~
~~3420~~
~~16,140~~

1420
8500
9920

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WELL PURGING AND SAMPLING DATA LOG

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DATE: 9/4/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-18	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: ~90°F, very humid, mostly cloudy, 5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER — BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 18.13 FT. TIME: 14:47 — BTOC WELL SCREEN INTERVAL: 21.60 FT. to 31.60 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 32.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.4 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~8060 A / 6010 / 9056 A / RSK-175~~ SM pH Meter: Thermo Fisher AB-060P serial A-3100H

LABORATORY PERFORMING ANALYSIS: Xenco — WATER ANALYZER MODEL: Horiba U-52 — SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
14:58	0	26.76	5.75	252	1.83	1.8	6.75	18.13	clear cloudy (initial)	6.05
15:03	1220	25.82	6.23	233	1.91	3.6	0.98	18.13		6.12
15:08	2480	25.68	6.31	224	1.92	3.7	0.7	18.12		6.14
15:13	~3620	25.62	6.27	221	1.91	0.8	0.6	18.13		6.18

COMMENTS: SAMPLE COLLECTION TIME: 15:15 collected matrix spike also

PREPARED BY: [signature]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 25, cut 27

Length of tubing cut (ft.)	27
Initial tubing depth (ft.) BTOC	25
Final tubing depth (ft.) BTOC	25
Initial pump speed	7.06
Time pump speed was initialized	14:56
Pump speed at flow into cylinder	7.00
Started new roll of tubing at	—
Three well volume (mL)	—

Tubing needed

32.00
18.13
13.87 / 2 = 6.935 (7)

3200
− 700
2500

2,000 mL volume poured into bucket: 15:06

Time	15:06								
Cummulative Volume (mL)	2000								

Additional remarks: collected matrix spike. When opened well, air under pressure pumped out from well.

Thermo calibration 4.00 = 4.00, 7.00 = ~~7~~ 7.01, 10.00 = 10.01 ~~10.01~~

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

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DATE: 9/3/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-19	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Mostly cloudy, raining, very humid, ~95°F max, 5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 19.21 FT. TIME: 15:54 | BTOC WELL SCREEN INTERVAL: 21.65 FT. to 31.65 FT.

MEASURED TOTAL WELL DEPTH (BGS): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.35 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~8060 A / 6010 / 9056 A / RSK-175~~ SH | pH Meter: Thermo Russell RL060P Serial #: 71004

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
15:57	0	28.20	4.14	260	1.24	16.3	3.26	19.22		
16:02	1220	26.44	3.95	300	1.30	7.0	0.97	19.22		3.88
16:08	2700	25.74	4.01	307	1.32	16.2	0.71	19.22		3.67
16:12	3640	25.69	4.00	313	1.32	13.2	0.63	19.22		3.69
										3.73

COMMENTS: | SAMPLE COLLECTION TIME: 16:14 | PREPARED BY: Alan Franklin

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 25.5 cut 27.5

Length of tubing cut (ft.)	27.5
Initial tubing depth (ft.) BTOC	25.5
Final tubing depth (ft.) BTOC	25.5
Initial pump speed	7.06
Time pump speed was initialized	15:54
Pump speed at flow into cylinder	7.06
Started new roll of tubing at	—
Three well volume (mL)	—

Tubing needed

31.65 − 19.21 = 12.44 / 2 = 6.22

31.65 − 6.22 = 25.43 (25.5)

2,000 mL volume poured into bucket:

Time	16:07								
Cummulative Volume (mL)	2500								

Additional remarks: * Air under slight pressure when removed well cap. Could not screw back on, as the threads are stripped. Applied J-B weld on top to prevent water entering vault. Bailed water out of vault. Water level was ~1 inch above TOC.

1140
2500
30 L

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WELL PURGING AND SAMPLING DATA LOG

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WELL/SAMPLE NO: MW-20

DATE: 9/5/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4 5

WEATHER CONDITIONS: N 90°, Fair - Few clouds, Humid, N 5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 19.00 FT. | TIME: 10:59 | BTOC WELL SCREEN INTERVAL: 21.75 FT. to 31.75 FT.

MEASURED TOTAL WELL DEPTH (BGS): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.25 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B / ~~8260 A / 6010 / 9056 A / RSK-175~~ 5th | PH meter, Thermo Russel RL060P Serial #: 310011

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
11:11	0	24.03	4.31	158	0.263	0.0	8.5	3.92	19.01 (water clear initially)	3.92
11:16	1360	22.72	3.90	248	0.351	0.0	7.60	19.01		3.77
11:21	2420	22.58	3.86	271	0.372	0.0	7.42	19.01		3.81
11:26	3640	22.52	3.85	281	0.380	0.0	7.16	19.01		3.84
11:31	4760	22.50	3.82	290	0.388	0.0	7.12	19.01		3.95
11:36	5900	~~23.5~~ 22.50	3.81	297	0.390	0.0	6.97	19.01		3.99
11:41	7200	23.44	3.84	304	0.394	0.0	6.74	19.01		3.89

COMMENTS:

SAMPLE COLLECTION TIME: 11:46

PREPARED BY: Alan Smith

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and ~~a turbidity reading below 10 NTU~~ as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	24.20
Initial tubing depth (ft.) BTOC	24.00
Final tubing depth (ft.) BTOC	24.00
Initial pump speed	7.04
Time pump speed was initialized	N 11:00
Pump speed at flow into cylinder	7.04
Started new roll of tubing at	—
Three well volume (mL)	—

Tubing Mark

31.75 − 19.00 = 12.75/2 = 6.38

31.75 − 6.38 = 25.5

Have 24.2 Ft of new tubing left

2,000 mL volume poured into bucket:

Time	11:19	11:28	11:37						
Cummulative Volume (mL)	2000	4000	6000						

Additional remarks: Difficult to remove 2 bolts from well vault

1640

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WELL PURGING AND SAMPLING DATA LOG

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WELL/SAMPLE NO: MW-21

DATE: 9/5/2014 | PROJECT NAME: GPA Bainbridge | PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: Fair - very few clouds, ~80°F, Humid, < 5 mph wind

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.00 FT. to 32.00 FT.

INITIAL WATER LEVEL (BTOC): 20.02 FT. | TIME: 9:55 | BTOC WELL SCREEN INTERVAL: 21.93 FT. to 31.93 FT.

MEASURED TOTAL WELL DEPTH (BGS): 32.00 FT. | MEASURED TOTAL WELL DEPTH (BTOC) FT. | FLUSH-TO-GRADE ~0.075 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B ~~/ 9060 A / 8010 / 8056 A / RSK-175~~ 5 ft | pH meter: Thermo Russel RL060P serial #: 310011

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 | SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Therm pH
10:11	0	26.07	4.28	206	0.459	0.0	8.14	20.01	Clear - initial water	4.04
10:16	1370	26.18	4.07	252	0.691	0.0	4.67	20.04		3.83
10:21	2490	25.49	4.04	264	0.784	0.0	4.52	20.04		3.84
10:27	3960	25.46	3.96	279	0.871	0.0	4.37	20.05		3.80
10:31	5000	25.18	3.94	288	0.884	0.0	4.32	20.05		3.79
10:36	6000	25.15	3.83	305	0.889	0.0	4.24	20.05		3.88

COMMENTS:

SAMPLE COLLECTION TIME: 10:39

PREPARED BY: Adam Smith

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 26, cut 27.

Length of tubing cut (ft.)	27
Initial tubing depth (ft.) BTOC	26
Final tubing depth (ft.) BTOC	26
Initial pump speed	7.13
Time pump speed was initialized	10:08
Pump speed at flow into cylinder	7.13
Started new roll of tubing at	—
Three well volume (mL)	—

Tubing needed:
31.93 − 20.02 = 11.91 / 2 = 5.955
31.93 − 5.955 = 25.98

2,000 mL volume poured into bucket:

Time	10:19	10:28							
Cummulative Volume (mL)	2000	4000	6000						

Additional remarks: ~~[illegible] tubing~~. Concrete pad is crack

1960

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

DATE: 9/5/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-22	PROJECT NO: 400007 - 4.5

WEATHER CONDITIONS: ~95°F, Humid, Few clouds, 0-5 mph wind.

SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER — BGS WELL SCREEN INTERVAL: 24.00 FT. to 34.00 FT.

INITIAL WATER LEVEL (BTOC): 21.31 FT. TIME: 12:03 — BTOC WELL SCREEN INTERVAL: 23.80 FT. to 33.80 FT.

MEASURED TOTAL WELL DEPTH (**BGS**): 35.00 FT. MEASURED TOTAL WELL DEPTH (BTOC) FT. FLUSH-TO-GRADE ~0.2 FT.

PURGING DEVICE: Pegasus Alexis Peristaltic Pump [ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED

SAMPLING DEVICE: 1/4" Teflon lined tubing [ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED

EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE

CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED

ANALYTICAL PARAMETERS: 8081 B ~~/8060 A / 6010 / 9056 A / RSK-175~~ SM | pH meter: ~~[illegible]~~ Thermo Orion RL-060P Serial #: 310011

LABORATORY PERFORMING ANALYSIS: Xenco | WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)	Thermo pH
12:14	0	28.23	3.93	299	0.678	0.0	2.15	21.39	Faintly clear	3.66
12:19	1380	28.04	3.84	326	0.693	0.0	2.09	21.39	light in tubing	3.56
12:24	2360	28.73	3.83	337	0.697	0.0	2.90	21.37		3.64

COMMENTS: SAMPLE COLLECTION TIME: 12:27 collected matrix spike

PREPARED BY: [illegible]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant.
Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

mark 29, cut 30

Length of tubing cut (ft.)	30
Initial tubing depth (ft.) BTOC	29
Final tubing depth (ft.) BTOC	29
Initial pump speed	7.01
Time pump speed was initialized	12:11
Pump speed at flow into cylinder	7.02
Started new roll of tubing at	—
Three well volume (mL)	—

33.80
− 5.00 (1/2 screen)
28.80
(29)

2,000 mL volume poured into bucket:

Time	12:21								
Cummulative Volume (mL)	2000								

Additional remarks: utilized tubing that was utilized in MW-6 after it was decomm with DI water. ~~[illegible]~~ no standing water in adjacent drainage ditch.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

DATE: 9/2/2014	PROJECT NAME: GPA Bainbridge
WELL/SAMPLE NO: MW-23	PROJECT NO: 400007 - 4.5
WEATHER CONDITIONS: mostly cloudy, ~90°F, 0-5 mph wind, very humid	
SAMPLE TYPE: [X] GROUNDWATER [ ] WASTEWATER [ ] SURFACE WATER [ ] OTHER	
WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER	BGS WELL SCREEN INTERVAL: 13.83 FT. to 23.83 FT.
INITIAL WATER LEVEL (BTOC): 16.58 FT. TIME: 16:47	BTOC WELL SCREEN INTERVAL: 13.83 FT. to 23.83 FT.
MEASURED TOTAL WELL DEPTH (BGS): 24.03 FT.	MEASURED TOTAL WELL DEPTH (BTOC): FT. FLUSH-TO-GRADE 0 FT.
PURGING DEVICE: Pegasus Alexis Peristaltic Pump	[ ] DEDICATED [ ] DISPOSABLE [ ] DECONTAMINATED
SAMPLING DEVICE: 1/4" Teflon lined tubing	[ ] DEDICATED [X] DISPOSABLE [ ] DECONTAMINATED
EQUIP. DECON. [X] ALCONOX WASH [ ] ISOPROPANOL [X] DIST/DEION 1 RINSE [ ] DIST/DEION FINAL RINSE [X] AIR DRY	
[ ] LIQUINOX WASH [ ] DIST/DEION 2 RINSE [ ] OTHER SOLVENT [ ] TAP WATER WASH [ ] TAP WATER FINAL RINSE	
CONTAINER PRESERVATION: [X] LAB PRESERVED [ ] FIELD PRESERVED	
ANALYTICAL PARAMETERS: 8081 B / ~~9060 A / 6010 / 9056 A / RSK-175~~ GW	
LABORATORY PERFORMING ANALYSIS: Xenco	WATER ANALYZER MODEL: Horiba U-52 SERIAL #: UDRU5DA9

	TIME	VOLUME PURGED (mL)	TEMP (°C)	pH	ORP (mV)	SPEC. COND. (mS/cm)	TURBIDITY (NTU)	DISS. OXYGEN. (mg/L)	DTW (FT)	REMARKS (COLOR, ODOR, ETC.)
	18:21	0	27.87	4.12	139	1.05	20.1	2.05	16.60	Clear water
	18:26	1200	26.69	3.84	185	1.07	9.9	1.27	16.59	
	18:31	2520	26.63	4.00	159	1.07	0.0	0.95	16.59	
	18:36	3780	26.65	4.02	169	1.06	0.0	0.83	16.59	
18:41	18:41	5320	26.65	4.19	163	1.08	0.0	0.74	16.59	
vol 7540	18:46	6420	26.58	4.12	172	1.06	0.0	0.70	16.59	
	18:51	7540	26.55	4.34	163	1.05	0.0	0.66	16.59	
	18:56	8820	26.54	4.32	156	1.05	0.0	0.62	16.59	
	19:01	10100	26.50	4.38	147	1.04	0.0	0.60	16.59	19:04 ora odor
	19:06	11960	26.45	4.63	155	1.04	0.0	0.57	16.59	
19:14	19:13	13080	26.47	4.67	154	1.04	0.0	0.55	16.59	3 well volumes

COMMENTS:

SAMPLE COLLECTION TIME: 19:17 3 well volumes

PREPARED BY: [signature]

* Parameters are stabilized when 3 consecutive readings are within ± 0.1 FOR pH and ± 5% for specific conductivity is constant. Reasonable attempts must be made to reach a 0.2 mg/L dissolved oxygen reading and a turbidity reading below 10 NTU as per the Groundwater Sampling Operating Procedure, US EPA, Region 4, # SESDPROC-301-R3.

Length of tubing cut (ft.)	24.5
Initial tubing depth (ft.) BTOC	20.5
Final tubing depth (ft.) BTOC	20.5
Initial pump speed	6.97
Time pump speed was initialized	18:19
Pump speed at flow into cylinder	6.97
Started new roll of tubing at	—
Three well volume (mL)	—

580

(Grundfo) L
20.5 mark
int 24.5

23.83
16.58
7.25
7.25/2 = 3.625

23.83
− 3.625
20.205

12500
580

2,000 mL volume poured into bucket:

Time	18:29	18:43	NM	18:54	19:03	19:11			
Cummulative Volume (mL)	2,000	4500	6,500	8,500	10,500	12,500			

Additional remarks:

Volume calcs: → 1040
6500
7540

460

1780

820
4500
5320

1120
4500
6420

8500
320
8820

1500
8500
10,000

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT C

March 2014 Groundwater Analytical Results

Analytical Report 482272

for

Environmental International Corporation

Project Manager: Will Grant

GPA Bainbridge

400007-4.5

18-SEP-14

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-16-TX), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

18-SEP-14

Project Manager: **Will Grant**
Environmental International Corporation
161 Kimball Bridge Road, Suite 100
Alpharetta, GA 30009

Reference: XENCO Report No(s): **482272**
GPA Bainbridge
Project Address: GA

Will Grant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 482272. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 482272 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Eben D. Buchanan, Jr.

Eben Buchanan
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 482272

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	03-25-14 17:34		482272-001
MW-1A	W	03-25-14 18:19		482272-002
MW-2	W	03-25-14 10:04		482272-003
MW-3	W	03-25-14 15:54		482272-004
MW-4U	W	03-25-14 16:48		482272-005
MW-5A	W	03-26-14 11:48		482272-006
MW-5D	W	03-26-14 12:44		482272-007
MW-6	W	03-26-14 14:17		482272-008
MW-7	W	03-26-14 14:44		482272-009
MW-8	W	03-26-14 11:07		482272-010
MW-10	W	03-26-14 16:31		482272-011
MW-11	W	03-26-14 10:59		482272-012
MW-12	W	03-26-14 10:21		482272-013
MW-13	W	03-26-14 17:41		482272-014
MW-14	W	03-25-14 19:48		482272-015
MW-15	W	03-26-14 09:29		482272-016
MW-16	W	03-26-14 15:32		482272-017
MW-17	W	03-27-14 16:36		482272-018
MW-18	W	03-26-14 08:26		482272-019
MW-19	W	03-25-14 12:22		482272-020
MW-19 Duplicate	W	03-27-14 12:22		482272-021
MW-20	W	03-27-14 09:25		482272-022
MW-21	W	03-27-14 15:36		482272-023
MW-22	W	03-27-14 10:40		482272-024
Equipment Blank	W	03-26-14 16:56		482272-025

Version: 1.%

CASE NARRATIVE

Client Name: Environmental International Corporation
Project Name: GPA Bainbridge

Project ID: *400007-4.5*
Work Order Number(s): *482272*

Report Date: *18-SEP-14*
Date Received: *03/28/2014*

Sample receipt non conformances and comments:

This revised report replaces the report issued on April 10, 2014.
The result for Gamma-BHC (Lindane) for the Equipment Blank sample originally reported with a "J" qualifier for sample was re-evaluated and determined to be due to any anomalous peak that resulted in a false positive. The report has been corrected to reflect this.

Pesticide sample extracts were subject to Sulfur Clean-up SW-846 3660B.

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 482272

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-1** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-001 Date Collected: 03.25.14 17.34

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: LRA % Moisture:

Analyst: KKO Date Prep: 04.01.14 09.27

Seq Number: 937898 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00298	ug/L	04.04.14 23.49	U	1
4,4-DDE	72-55-9	U	0.0990	0.00598	ug/L	04.04.14 23.49	U	1
4,4-DDT	50-29-3	U	0.0990	0.0343	ug/L	04.04.14 23.49	U	1
Aldrin	309-00-2	U	0.0495	0.00323	ug/L	04.04.14 23.49	U	1
Alpha-BHC	319-84-6	U	0.0495	0.00305	ug/L	04.04.14 23.49	U	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00326	ug/L	04.04.14 23.49	U	1
Beta-BHC	319-85-7	U	0.0495	0.00232	ug/L	04.04.14 23.49	U	1
Delta-BHC	319-86-8	U	0.0495	0.00131	ug/L	04.04.14 23.49	U	1
Dieldrin	60-57-1	U	0.0990	0.00150	ug/L	04.04.14 23.49	U	1
Endosulfan I	959-98-8	U	0.0495	0.000991	ug/L	04.04.14 23.49	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00175	ug/L	04.04.14 23.49	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00115	ug/L	04.04.14 23.49	U	1
Endrin	72-20-8	U	0.0990	0.00144	ug/L	04.04.14 23.49	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00341	ug/L	04.04.14 23.49	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00141	ug/L	04.04.14 23.49	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0495	0.00169	ug/L	04.04.14 23.49	U	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00484	ug/L	04.04.14 23.49	U	1
Heptachlor	76-44-8	U	0.0495	0.00551	ug/L	04.04.14 23.49	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00142	ug/L	04.04.14 23.49	U	1
Methoxychlor	72-43-5	U	0.495	0.00176	ug/L	04.04.14 23.49	U	1
Chlordane	12789-03-6	U	0.495	0.102	ug/L	04.04.14 23.49	U	1
Toxaphene	8001-35-2	U	2.48	0.0762	ug/L	04.04.14 23.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	35	%	18-126	04.04.14 23.49	
Decachlorobiphenyl	2051-24-3	84	%	15-136	04.04.14 23.49	

Certificate of Analytical Results 482272

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-1A** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-002 Date Collected: 03.25.14 18.19

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: LRA % Moisture:

Analyst: KKO Date Prep: 04.01.14 09.30

Seq Number: 937898 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.101	0.00304	ug/L	04.05.14 00.11	U	1
4,4-DDE	72-55-9	U	0.101	0.00610	ug/L	04.05.14 00.11	U	1
4,4-DDT	50-29-3	U	0.101	0.0350	ug/L	04.05.14 00.11	U	1
Aldrin	309-00-2	U	0.0505	0.00329	ug/L	04.05.14 00.11	U	1
Alpha-BHC	319-84-6	U	0.0505	0.00311	ug/L	04.05.14 00.11	U	1
Alpha-Chlordane	5103-71-9	U	0.0505	0.00333	ug/L	04.05.14 00.11	U	1
Beta-BHC	319-85-7	U	0.0505	0.00237	ug/L	04.05.14 00.11	U	1
Delta-BHC	319-86-8	U	0.0505	0.00134	ug/L	04.05.14 00.11	U	1
Dieldrin	60-57-1	U	0.101	0.00153	ug/L	04.05.14 00.11	U	1
Endosulfan I	959-98-8	U	0.0505	0.00101	ug/L	04.05.14 00.11	U	1
Endosulfan II	33213-65-9	U	0.101	0.00179	ug/L	04.05.14 00.11	U	1
Endosulfan Sulfate	1031-07-8	U	0.101	0.00117	ug/L	04.05.14 00.11	U	1
Endrin	72-20-8	U	0.101	0.00147	ug/L	04.05.14 00.11	U	1
Endrin Aldehyde	7421-93-4	U	0.101	0.00347	ug/L	04.05.14 00.11	U	1
Endrin Ketone	53494-70-5	U	0.101	0.00144	ug/L	04.05.14 00.11	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0505	0.00173	ug/L	04.05.14 00.11	U	1
Gamma-Chlordane	5103-74-2	U	0.0505	0.00494	ug/L	04.05.14 00.11	U	1
Heptachlor	76-44-8	U	0.0505	0.00562	ug/L	04.05.14 00.11	U	1
Heptachlor Epoxide	1024-57-3	U	0.0505	0.00145	ug/L	04.05.14 00.11	U	1
Methoxychlor	72-43-5	U	0.505	0.00180	ug/L	04.05.14 00.11	U	1
Chlordane	12789-03-6	U	0.505	0.104	ug/L	04.05.14 00.11	U	1
Toxaphene	8001-35-2	U	2.53	0.0777	ug/L	04.05.14 00.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	26	%	18-126	04.05.14 00.11	
Decachlorobiphenyl	2051-24-3	80	%	15-136	04.05.14 00.11	

Certificate of Analytical Results 482272

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-2** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-003 Date Collected: 03.25.14 10.04

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: LRA % Moisture:

Analyst: KKO Date Prep: 04.01.14 09.33

Seq Number: 937898 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0985	0.00296	ug/L	04.05.14 00.34	U	1
4,4-DDE	72-55-9	U	0.0985	0.00595	ug/L	04.05.14 00.34	U	1
4,4-DDT	50-29-3	U	0.0985	0.0342	ug/L	04.05.14 00.34	U	1
Aldrin	309-00-2	U	0.0493	0.00321	ug/L	04.05.14 00.34	U	1
Alpha-BHC	319-84-6	U	0.0493	0.00304	ug/L	04.05.14 00.34	U	1
Alpha-Chlordane	5103-71-9	U	0.0493	0.00324	ug/L	04.05.14 00.34	U	1
Beta-BHC	319-85-7	U	0.0493	0.00231	ug/L	04.05.14 00.34	U	1
Delta-BHC	319-86-8	U	0.0493	0.00131	ug/L	04.05.14 00.34	U	1
Dieldrin	60-57-1	U	0.0985	0.00149	ug/L	04.05.14 00.34	U	1
Endosulfan I	959-98-8	U	0.0493	0.000986	ug/L	04.05.14 00.34	U	1
Endosulfan II	33213-65-9	U	0.0985	0.00175	ug/L	04.05.14 00.34	U	1
Endosulfan Sulfate	1031-07-8	U	0.0985	0.00115	ug/L	04.05.14 00.34	U	1
Endrin	72-20-8	U	0.0985	0.00143	ug/L	04.05.14 00.34	U	1
Endrin Aldehyde	7421-93-4	U	0.0985	0.00339	ug/L	04.05.14 00.34	U	1
Endrin Ketone	53494-70-5	U	0.0985	0.00141	ug/L	04.05.14 00.34	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0493	0.00168	ug/L	04.05.14 00.34	U	1
Gamma-Chlordane	5103-74-2	U	0.0493	0.00482	ug/L	04.05.14 00.34	U	1
Heptachlor	76-44-8	U	0.0493	0.00548	ug/L	04.05.14 00.34	U	1
Heptachlor Epoxide	1024-57-3	U	0.0493	0.00142	ug/L	04.05.14 00.34	U	1
Methoxychlor	72-43-5	U	0.493	0.00176	ug/L	04.05.14 00.34	U	1
Chlordane	12789-03-6	U	0.493	0.102	ug/L	04.05.14 00.34	U	1
Toxaphene	8001-35-2	U	2.46	0.0758	ug/L	04.05.14 00.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	56	%	18-126	04.05.14 00.34	
Decachlorobiphenyl	2051-24-3	77	%	15-136	04.05.14 00.34	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-3** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-004 Date Collected: 03.25.14 15.54

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: LRA % Moisture:

Analyst: KKO Date Prep: 04.01.14 09.36

Seq Number: 937898 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00301	ug/L	04.05.14 00.57	U	1
4,4-DDE	72-55-9	U	0.100	0.00604	ug/L	04.05.14 00.57	U	1
4,4-DDT	50-29-3	U	0.100	0.0347	ug/L	04.05.14 00.57	U	1
Aldrin	309-00-2	U	0.0500	0.00326	ug/L	04.05.14 00.57	U	1
Alpha-BHC	319-84-6	U	0.0500	0.00308	ug/L	04.05.14 00.57	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00329	ug/L	04.05.14 00.57	U	1
Beta-BHC	319-85-7	U	0.0500	0.00235	ug/L	04.05.14 00.57	U	1
Delta-BHC	319-86-8	U	0.0500	0.00133	ug/L	04.05.14 00.57	U	1
Dieldrin	60-57-1	U	0.100	0.00151	ug/L	04.05.14 00.57	U	1
Endosulfan I	959-98-8	U	0.0500	0.00100	ug/L	04.05.14 00.57	U	1
Endosulfan II	33213-65-9	U	0.100	0.00177	ug/L	04.05.14 00.57	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00116	ug/L	04.05.14 00.57	U	1
Endrin	72-20-8	U	0.100	0.00146	ug/L	04.05.14 00.57	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00344	ug/L	04.05.14 00.57	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00143	ug/L	04.05.14 00.57	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00171	ug/L	04.05.14 00.57	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00489	ug/L	04.05.14 00.57	U	1
Heptachlor	76-44-8	U	0.0500	0.00556	ug/L	04.05.14 00.57	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00144	ug/L	04.05.14 00.57	U	1
Methoxychlor	72-43-5	U	0.500	0.00178	ug/L	04.05.14 00.57	U	1
Chlordane	12789-03-6	U	0.500	0.103	ug/L	04.05.14 00.57	U	1
Toxaphene	8001-35-2	U	2.50	0.0769	ug/L	04.05.14 00.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	47	%	18-126	04.05.14 00.57	
Decachlorobiphenyl	2051-24-3	81	%	15-136	04.05.14 00.57	

Certificate of Analytical Results 482272

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-4U** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-005 Date Collected: 03.25.14 16.48

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: LRA % Moisture:

Analyst: KKO Date Prep: 04.01.14 09.39

Seq Number: 937898 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00301	ug/L	04.05.14 01.20	U	1
4,4-DDE	72-55-9	U	0.100	0.00604	ug/L	04.05.14 01.20	U	1
4,4-DDT	50-29-3	U	0.100	0.0347	ug/L	04.05.14 01.20	U	1
Aldrin	309-00-2	U	0.0500	0.00326	ug/L	04.05.14 01.20	U	1
Alpha-BHC	319-84-6	U	0.0500	0.00308	ug/L	04.05.14 01.20	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00329	ug/L	04.05.14 01.20	U	1
Beta-BHC	319-85-7	U	0.0500	0.00235	ug/L	04.05.14 01.20	U	1
Delta-BHC	319-86-8	U	0.0500	0.00133	ug/L	04.05.14 01.20	U	1
Dieldrin	60-57-1	U	0.100	0.00151	ug/L	04.05.14 01.20	U	1
Endosulfan I	959-98-8	U	0.0500	0.00100	ug/L	04.05.14 01.20	U	1
Endosulfan II	33213-65-9	U	0.100	0.00177	ug/L	04.05.14 01.20	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00116	ug/L	04.05.14 01.20	U	1
Endrin	72-20-8	U	0.100	0.00146	ug/L	04.05.14 01.20	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00344	ug/L	04.05.14 01.20	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00143	ug/L	04.05.14 01.20	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00171	ug/L	04.05.14 01.20	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00489	ug/L	04.05.14 01.20	U	1
Heptachlor	76-44-8	U	0.0500	0.00556	ug/L	04.05.14 01.20	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00144	ug/L	04.05.14 01.20	U	1
Methoxychlor	72-43-5	U	0.500	0.00178	ug/L	04.05.14 01.20	U	1
Chlordane	12789-03-6	U	0.500	0.103	ug/L	04.05.14 01.20	U	1
Toxaphene	8001-35-2	U	2.50	0.0769	ug/L	04.05.14 01.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	55	%	18-126	04.05.14 01.20	
Decachlorobiphenyl	2051-24-3	68	%	15-136	04.05.14 01.20	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-5A** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-006 Date Collected: 03.26.14 11.48

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: LRA % Moisture:

Analyst: KKO Date Prep: 04.01.14 09.42

Seq Number: 937898 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00298	ug/L	04.05.14 01.43	U	1
4,4-DDE	72-55-9	U	0.0990	0.00598	ug/L	04.05.14 01.43	U	1
4,4-DDT	50-29-3	U	0.0990	0.0343	ug/L	04.05.14 01.43	U	1
Aldrin	309-00-2	**0.0747**	0.0495	0.00323	ug/L	04.05.14 01.43		1
Alpha-BHC	319-84-6	**0.239**	0.0495	0.00305	ug/L	04.05.14 01.43		1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00326	ug/L	04.05.14 01.43	U	1
Beta-BHC	319-85-7	U	0.0495	0.00232	ug/L	04.05.14 01.43	U	1
Delta-BHC	319-86-8	**0.668**	0.0495	0.00131	ug/L	04.05.14 01.43		1
Dieldrin	60-57-1	U	0.0990	0.00150	ug/L	04.05.14 01.43	U	1
Endosulfan I	959-98-8	U	0.0495	0.000991	ug/L	04.05.14 01.43	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00175	ug/L	04.05.14 01.43	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00115	ug/L	04.05.14 01.43	U	1
Endrin	72-20-8	U	0.0990	0.00144	ug/L	04.05.14 01.43	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00341	ug/L	04.05.14 01.43	U	1
Endrin Ketone	53494-70-5	**0.244**	0.0990	0.00141	ug/L	04.05.14 01.43		1
Gamma-BHC (Lindane)	58-89-9	**0.240**	0.0495	0.00169	ug/L	04.05.14 01.43		1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00484	ug/L	04.05.14 01.43	U	1
Heptachlor	76-44-8	U	0.0495	0.00551	ug/L	04.05.14 01.43	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00142	ug/L	04.05.14 01.43	U	1
Methoxychlor	72-43-5	U	0.495	0.00176	ug/L	04.05.14 01.43	U	1
Chlordane	12789-03-6	U	0.495	0.102	ug/L	04.05.14 01.43	U	1
Toxaphene	8001-35-2	U	2.48	0.0762	ug/L	04.05.14 01.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	58	%	18-126	04.05.14 01.43	
Decachlorobiphenyl	2051-24-3	78	%	15-136	04.05.14 01.43	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-5D** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-007 Date Collected: 03.26.14 12.44

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: LRA % Moisture:

Analyst: KKO Date Prep: 04.01.14 09.45

Seq Number: 937898 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00298	ug/L	04.05.14 02.06	U	1
4,4-DDE	72-55-9	U	0.0990	0.00598	ug/L	04.05.14 02.06	U	1
4,4-DDT	50-29-3	U	0.0990	0.0343	ug/L	04.05.14 02.06	U	1
Aldrin	309-00-2	U	0.0495	0.00323	ug/L	04.05.14 02.06	U	1
Alpha-BHC	319-84-6	U	0.0495	0.00305	ug/L	04.05.14 02.06	U	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00326	ug/L	04.05.14 02.06	U	1
Beta-BHC	319-85-7	U	0.0495	0.00232	ug/L	04.05.14 02.06	U	1
Delta-BHC	319-86-8	U	0.0495	0.00131	ug/L	04.05.14 02.06	U	1
Dieldrin	60-57-1	U	0.0990	0.00150	ug/L	04.05.14 02.06	U	1
Endosulfan I	959-98-8	U	0.0495	0.000991	ug/L	04.05.14 02.06	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00175	ug/L	04.05.14 02.06	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00115	ug/L	04.05.14 02.06	U	1
Endrin	72-20-8	U	0.0990	0.00144	ug/L	04.05.14 02.06	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00341	ug/L	04.05.14 02.06	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00141	ug/L	04.05.14 02.06	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0495	0.00169	ug/L	04.05.14 02.06	U	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00484	ug/L	04.05.14 02.06	U	1
Heptachlor	76-44-8	U	0.0495	0.00551	ug/L	04.05.14 02.06	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00142	ug/L	04.05.14 02.06	U	1
Methoxychlor	72-43-5	U	0.495	0.00176	ug/L	04.05.14 02.06	U	1
Chlordane	12789-03-6	U	0.495	0.102	ug/L	04.05.14 02.06	U	1
Toxaphene	8001-35-2	U	2.48	0.0762	ug/L	04.05.14 02.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	58	%	18-126	04.05.14 02.06	
Decachlorobiphenyl	2051-24-3	77	%	15-136	04.05.14 02.06	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-6** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-008 Date Collected: 03.26.14 14.17

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.09

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.101	0.00304	ug/L	04.08.14 11.32	U	1
4,4-DDE	72-55-9	U	0.101	0.00610	ug/L	04.08.14 11.32	U	1
4,4-DDT	50-29-3	U	0.101	0.0350	ug/L	04.08.14 11.32	U	1
Aldrin	309-00-2	U	0.0505	0.00329	ug/L	04.08.14 11.32	U	1
Alpha-BHC	319-84-6	**0.797**	0.0505	0.00311	ug/L	04.08.14 11.32		1
Alpha-Chlordane	5103-71-9	U	0.0505	0.00333	ug/L	04.08.14 11.32	U	1
Beta-BHC	319-85-7	**1.16**	0.0505	0.00237	ug/L	04.08.14 11.32		1
Delta-BHC	319-86-8	**1.98**	0.0505	0.00134	ug/L	04.08.14 11.32		1
Dieldrin	60-57-1	U	0.101	0.00153	ug/L	04.08.14 11.32	U	1
Endosulfan I	959-98-8	U	0.0505	0.00101	ug/L	04.08.14 11.32	U	1
Endosulfan II	33213-65-9	U	0.101	0.00179	ug/L	04.08.14 11.32	U	1
Endosulfan Sulfate	1031-07-8	U	0.101	0.00117	ug/L	04.08.14 11.32	U	1
Endrin	72-20-8	U	0.101	0.00147	ug/L	04.08.14 11.32	U	1
Endrin Aldehyde	7421-93-4	U	0.101	0.00347	ug/L	04.08.14 11.32	U	1
Endrin Ketone	53494-70-5	U	0.101	0.00144	ug/L	04.08.14 11.32	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0505	0.00173	ug/L	04.08.14 11.32	U	1
Gamma-Chlordane	5103-74-2	U	0.0505	0.00494	ug/L	04.08.14 11.32	U	1
Heptachlor	76-44-8	U	0.0505	0.00562	ug/L	04.08.14 11.32	U	1
Heptachlor Epoxide	1024-57-3	U	0.0505	0.00145	ug/L	04.08.14 11.32	U	1
Methoxychlor	72-43-5	U	0.505	0.00180	ug/L	04.08.14 11.32	U	1
Chlordane	12789-03-6	U	0.505	0.104	ug/L	04.08.14 11.32	U	1
Toxaphene	8001-35-2	U	2.53	0.0777	ug/L	04.08.14 11.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	80	%	18-126	04.08.14 11.32	
Decachlorobiphenyl	2051-24-3	55	%	15-136	04.08.14 11.32	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-7** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-009 Date Collected: 03.26.14 14.44

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.12

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00301	ug/L	04.05.14 04.00	U	1
4,4-DDE	72-55-9	U	0.100	0.00604	ug/L	04.05.14 04.00	U	1
4,4-DDT	50-29-3	U	0.100	0.0347	ug/L	04.05.14 04.00	U	1
Aldrin	309-00-2	U	0.0500	0.00326	ug/L	04.05.14 04.00	U	1
Alpha-BHC	319-84-6	**0.0184**	0.0500	0.00308	ug/L	04.05.14 04.00	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00329	ug/L	04.05.14 04.00	U	1
Delta-BHC	319-86-8	U	0.0500	0.00133	ug/L	04.05.14 04.00	U	1
Dieldrin	60-57-1	U	0.100	0.00151	ug/L	04.05.14 04.00	U	1
Endosulfan I	959-98-8	U	0.0500	0.00100	ug/L	04.05.14 04.00	U	1
Endosulfan II	33213-65-9	U	0.100	0.00177	ug/L	04.05.14 04.00	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00116	ug/L	04.05.14 04.00	U	1
Endrin	72-20-8	U	0.100	0.00146	ug/L	04.05.14 04.00	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00344	ug/L	04.05.14 04.00	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00143	ug/L	04.05.14 04.00	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0340**	0.0500	0.00171	ug/L	04.05.14 04.00	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00489	ug/L	04.05.14 04.00	U	1
Heptachlor	76-44-8	U	0.0500	0.00556	ug/L	04.05.14 04.00	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00144	ug/L	04.05.14 04.00	U	1
Methoxychlor	72-43-5	U	0.500	0.00178	ug/L	04.05.14 04.00	U	1
Chlordane	12789-03-6	U	0.500	0.103	ug/L	04.05.14 04.00	U	1
Toxaphene	8001-35-2	U	2.50	0.0769	ug/L	04.05.14 04.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	55	%	18-126	04.05.14 04.00	
Decachlorobiphenyl	2051-24-3	65	%	15-136	04.05.14 04.00	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-8** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-010 Date Collected: 03.26.14 11.07

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.15

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00301	ug/L	04.05.14 04.22	U	1
4,4-DDE	72-55-9	U	0.100	0.00604	ug/L	04.05.14 04.22	U	1
4,4-DDT	50-29-3	U	0.100	0.0347	ug/L	04.05.14 04.22	U	1
Aldrin	309-00-2	U	0.0500	0.00326	ug/L	04.05.14 04.22	U	1
Alpha-BHC	319-84-6	**0.0614**	0.0500	0.00308	ug/L	04.05.14 04.22		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00329	ug/L	04.05.14 04.22	U	1
Delta-BHC	319-86-8	**0.0899**	0.0500	0.00133	ug/L	04.05.14 04.22		1
Dieldrin	60-57-1	U	0.100	0.00151	ug/L	04.05.14 04.22	U	1
Endosulfan I	959-98-8	U	0.0500	0.00100	ug/L	04.05.14 04.22	U	1
Endosulfan II	33213-65-9	U	0.100	0.00177	ug/L	04.05.14 04.22	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00116	ug/L	04.05.14 04.22	U	1
Endrin	72-20-8	U	0.100	0.00146	ug/L	04.05.14 04.22	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00344	ug/L	04.05.14 04.22	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00143	ug/L	04.05.14 04.22	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00489	ug/L	04.05.14 04.22	U	1
Heptachlor	76-44-8	U	0.0500	0.00556	ug/L	04.05.14 04.22	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00144	ug/L	04.05.14 04.22	U	1
Methoxychlor	72-43-5	U	0.500	0.00178	ug/L	04.05.14 04.22	U	1
Chlordane	12789-03-6	U	0.500	0.103	ug/L	04.05.14 04.22	U	1
Toxaphene	8001-35-2	U	2.50	0.0769	ug/L	04.05.14 04.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	59	%	18-126	04.05.14 04.22	
Decachlorobiphenyl	2051-24-3	69	%	15-136	04.05.14 04.22	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-10** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-011 Date Collected: 03.26.14 16.31

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.18

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00301	ug/L	04.05.14 04.45	U	1
4,4-DDE	72-55-9	U	0.100	0.00604	ug/L	04.05.14 04.45	U	1
4,4-DDT	50-29-3	U	0.100	0.0347	ug/L	04.05.14 04.45	U	1
Aldrin	309-00-2	U	0.0500	0.00326	ug/L	04.05.14 04.45	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00329	ug/L	04.05.14 04.45	U	1
Beta-BHC	319-85-7	U	0.0500	0.00235	ug/L	04.05.14 04.45	U	1
Dieldrin	60-57-1	U	0.100	0.00151	ug/L	04.05.14 04.45	U	1
Endosulfan I	959-98-8	U	0.0500	0.00100	ug/L	04.05.14 04.45	U	1
Endosulfan II	33213-65-9	U	0.100	0.00177	ug/L	04.05.14 04.45	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00116	ug/L	04.05.14 04.45	U	1
Endrin	72-20-8	U	0.100	0.00146	ug/L	04.05.14 04.45	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00344	ug/L	04.05.14 04.45	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00143	ug/L	04.05.14 04.45	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00489	ug/L	04.05.14 04.45	U	1
Heptachlor	76-44-8	U	0.0500	0.00556	ug/L	04.05.14 04.45	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00144	ug/L	04.05.14 04.45	U	1
Methoxychlor	72-43-5	U	0.500	0.00178	ug/L	04.05.14 04.45	U	1
Chlordane	12789-03-6	U	0.500	0.103	ug/L	04.05.14 04.45	U	1
Toxaphene	8001-35-2	U	2.50	0.0769	ug/L	04.05.14 04.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Decachlorobiphenyl	2051-24-3	65	%	15-136	04.05.14 04.45	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-11** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-012 Date Collected: 03.26.14 10.59

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.21

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00301	ug/L	04.08.14 11.55	U	1
4,4-DDE	72-55-9	U	0.100	0.00604	ug/L	04.08.14 11.55	U	1
4,4-DDT	50-29-3	U	0.100	0.0347	ug/L	04.08.14 11.55	U	1
Aldrin	309-00-2	U	0.0500	0.00326	ug/L	04.08.14 11.55	U	1
Alpha-BHC	319-84-6	U	0.0500	0.00308	ug/L	04.08.14 11.55	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00329	ug/L	04.08.14 11.55	U	1
Beta-BHC	319-85-7	**0.0270**	0.0500	0.00235	ug/L	04.08.14 11.55	J	1
Delta-BHC	319-86-8	U	0.0500	0.00133	ug/L	04.08.14 11.55	U	1
Dieldrin	60-57-1	U	0.100	0.00151	ug/L	04.08.14 11.55	U	1
Endosulfan I	959-98-8	U	0.0500	0.00100	ug/L	04.08.14 11.55	U	1
Endosulfan II	33213-65-9	U	0.100	0.00177	ug/L	04.08.14 11.55	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00116	ug/L	04.08.14 11.55	U	1
Endrin	72-20-8	U	0.100	0.00146	ug/L	04.08.14 11.55	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00344	ug/L	04.08.14 11.55	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00143	ug/L	04.08.14 11.55	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00171	ug/L	04.08.14 11.55	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00489	ug/L	04.08.14 11.55	U	1
Heptachlor	76-44-8	U	0.0500	0.00556	ug/L	04.08.14 11.55	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00144	ug/L	04.08.14 11.55	U	1
Methoxychlor	72-43-5	U	0.500	0.00178	ug/L	04.08.14 11.55	U	1
Chlordane	12789-03-6	U	0.500	0.103	ug/L	04.08.14 11.55	U	1
Toxaphene	8001-35-2	U	2.50	0.0769	ug/L	04.08.14 11.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	61	%	18-126	04.08.14 11.55	
Decachlorobiphenyl	2051-24-3	62	%	15-136	04.08.14 11.55	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-12** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-013 Date Collected: 03.26.14 10.21

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.24

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00301	ug/L	04.08.14 12.18	U	1
4,4-DDE	72-55-9	U	0.100	0.00604	ug/L	04.08.14 12.18	U	1
4,4-DDT	50-29-3	U	0.100	0.0347	ug/L	04.08.14 12.18	U	1
Aldrin	309-00-2	U	0.0500	0.00326	ug/L	04.08.14 12.18	U	1
Alpha-BHC	319-84-6	**0.0100**	0.0500	0.00308	ug/L	04.08.14 12.18	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00329	ug/L	04.08.14 12.18	U	1
Beta-BHC	319-85-7	**0.539**	0.0500	0.00235	ug/L	04.08.14 12.18		1
Delta-BHC	319-86-8	**0.00532**	0.0500	0.00133	ug/L	04.08.14 12.18	J	1
Dieldrin	60-57-1	U	0.100	0.00151	ug/L	04.08.14 12.18	U	1
Endosulfan I	959-98-8	U	0.0500	0.00100	ug/L	04.08.14 12.18	U	1
Endosulfan II	33213-65-9	U	0.100	0.00177	ug/L	04.08.14 12.18	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00116	ug/L	04.08.14 12.18	U	1
Endrin	72-20-8	U	0.100	0.00146	ug/L	04.08.14 12.18	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00344	ug/L	04.08.14 12.18	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00143	ug/L	04.08.14 12.18	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0138**	0.0500	0.00171	ug/L	04.08.14 12.18	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00489	ug/L	04.08.14 12.18	U	1
Heptachlor	76-44-8	U	0.0500	0.00556	ug/L	04.08.14 12.18	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00144	ug/L	04.08.14 12.18	U	1
Methoxychlor	72-43-5	U	0.500	0.00178	ug/L	04.08.14 12.18	U	1
Chlordane	12789-03-6	U	0.500	0.103	ug/L	04.08.14 12.18	U	1
Toxaphene	8001-35-2	U	2.50	0.0769	ug/L	04.08.14 12.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	63	%	18-126	04.08.14 12.18	
Decachlorobiphenyl	2051-24-3	70	%	15-136	04.08.14 12.18	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-13** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-014 Date Collected: 03.26.14 17.41

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.27

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.192	0.00579	ug/L	04.08.14 18.23	U	2
4,4-DDE	72-55-9	U	0.192	0.0116	ug/L	04.08.14 18.23	U	2
4,4-DDT	50-29-3	U	0.192	0.0667	ug/L	04.08.14 18.23	U	2
Aldrin	309-00-2	U	0.0962	0.00627	ug/L	04.08.14 18.23	U	2
Alpha-BHC	319-84-6	**0.0218**	0.0962	0.00593	ug/L	04.08.14 18.23	J	2
Alpha-Chlordane	5103-71-9	U	0.0962	0.00633	ug/L	04.08.14 18.23	U	2
Beta-BHC	319-85-7	**4.00**	0.0962	0.00451	ug/L	04.08.14 18.23	E	2
Delta-BHC	319-86-8	**0.0320**	0.0962	0.00255	ug/L	04.08.14 18.23	J	2
Dieldrin	60-57-1	U	0.192	0.00290	ug/L	04.08.14 18.23	U	2
Endosulfan I	959-98-8	U	0.0962	0.00193	ug/L	04.08.14 18.23	U	2
Endosulfan II	33213-65-9	U	0.192	0.00341	ug/L	04.08.14 18.23	U	2
Endosulfan Sulfate	1031-07-8	U	0.192	0.00224	ug/L	04.08.14 18.23	U	2
Endrin	72-20-8	U	0.192	0.00280	ug/L	04.08.14 18.23	U	2
Endrin Aldehyde	7421-93-4	U	0.192	0.00661	ug/L	04.08.14 18.23	U	2
Endrin Ketone	53494-70-5	U	0.192	0.00274	ug/L	04.08.14 18.23	U	2
Gamma-BHC (Lindane)	58-89-9	**0.0571**	0.0962	0.00329	ug/L	04.08.14 18.23	J	2
Gamma-Chlordane	5103-74-2	U	0.0962	0.00941	ug/L	04.08.14 18.23	U	2
Heptachlor	76-44-8	U	0.0962	0.0107	ug/L	04.08.14 18.23	U	2
Heptachlor Epoxide	1024-57-3	U	0.0962	0.00276	ug/L	04.08.14 18.23	U	2
Methoxychlor	72-43-5	U	0.962	0.00343	ug/L	04.08.14 18.23	U	2
Chlordane	12789-03-6	U	0.962	0.199	ug/L	04.08.14 18.23	U	2
Toxaphene	8001-35-2	U	4.81	0.148	ug/L	04.08.14 18.23	U	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	65	%	18-126	04.08.14 18.23	
Decachlorobiphenyl	2051-24-3	54	%	15-136	04.08.14 18.23	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-14** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-015 Date Collected: 03.25.14 19.48

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.30

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.101	0.00304	ug/L	04.08.14 13.04	U	1
4,4-DDE	72-55-9	U	0.101	0.00610	ug/L	04.08.14 13.04	U	1
4,4-DDT	50-29-3	U	0.101	0.0350	ug/L	04.08.14 13.04	U	1
Aldrin	309-00-2	U	0.0505	0.00329	ug/L	04.08.14 13.04	U	1
Alpha-BHC	319-84-6	U	0.0505	0.00311	ug/L	04.08.14 13.04	U	1
Alpha-Chlordane	5103-71-9	U	0.0505	0.00333	ug/L	04.08.14 13.04	U	1
Beta-BHC	319-85-7	**0.243**	0.0505	0.00237	ug/L	04.08.14 13.04		1
Delta-BHC	319-86-8	U	0.0505	0.00134	ug/L	04.08.14 13.04	U	1
Dieldrin	60-57-1	U	0.101	0.00153	ug/L	04.08.14 13.04	U	1
Endosulfan I	959-98-8	U	0.0505	0.00101	ug/L	04.08.14 13.04	U	1
Endosulfan II	33213-65-9	U	0.101	0.00179	ug/L	04.08.14 13.04	U	1
Endosulfan Sulfate	1031-07-8	U	0.101	0.00117	ug/L	04.08.14 13.04	U	1
Endrin	72-20-8	U	0.101	0.00147	ug/L	04.08.14 13.04	U	1
Endrin Aldehyde	7421-93-4	U	0.101	0.00347	ug/L	04.08.14 13.04	U	1
Endrin Ketone	53494-70-5	U	0.101	0.00144	ug/L	04.08.14 13.04	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00702**	0.0505	0.00173	ug/L	04.08.14 13.04	J	1
Gamma-Chlordane	5103-74-2	U	0.0505	0.00494	ug/L	04.08.14 13.04	U	1
Heptachlor	76-44-8	U	0.0505	0.00562	ug/L	04.08.14 13.04	U	1
Heptachlor Epoxide	1024-57-3	U	0.0505	0.00145	ug/L	04.08.14 13.04	U	1
Methoxychlor	72-43-5	U	0.505	0.00180	ug/L	04.08.14 13.04	U	1
Chlordane	12789-03-6	U	0.505	0.104	ug/L	04.08.14 13.04	U	1
Toxaphene	8001-35-2	U	2.53	0.0777	ug/L	04.08.14 13.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	67	%	18-126	04.08.14 13.04	
Decachlorobiphenyl	2051-24-3	66	%	15-136	04.08.14 13.04	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-15** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-016 Date Collected: 03.26.14 09.29

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.33

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.102	0.00307	ug/L	04.08.14 13.26	U	1
4,4-DDE	72-55-9	U	0.102	0.00616	ug/L	04.08.14 13.26	U	1
4,4-DDT	50-29-3	U	0.102	0.0354	ug/L	04.08.14 13.26	U	1
Aldrin	309-00-2	U	0.0510	0.00333	ug/L	04.08.14 13.26	U	1
Alpha-BHC	319-84-6	**0.0405**	0.0510	0.00314	ug/L	04.08.14 13.26	J	1
Alpha-Chlordane	5103-71-9	U	0.0510	0.00336	ug/L	04.08.14 13.26	U	1
Beta-BHC	319-85-7	**0.317**	0.0510	0.00240	ug/L	04.08.14 13.26		1
Delta-BHC	319-86-8	U	0.0510	0.00135	ug/L	04.08.14 13.26	U	1
Dieldrin	60-57-1	U	0.102	0.00154	ug/L	04.08.14 13.26	U	1
Endosulfan I	959-98-8	U	0.0510	0.00102	ug/L	04.08.14 13.26	U	1
Endosulfan II	33213-65-9	U	0.102	0.00181	ug/L	04.08.14 13.26	U	1
Endosulfan Sulfate	1031-07-8	U	0.102	0.00119	ug/L	04.08.14 13.26	U	1
Endrin	72-20-8	U	0.102	0.00149	ug/L	04.08.14 13.26	U	1
Endrin Aldehyde	7421-93-4	U	0.102	0.00351	ug/L	04.08.14 13.26	U	1
Endrin Ketone	53494-70-5	U	0.102	0.00146	ug/L	04.08.14 13.26	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0458**	0.0510	0.00174	ug/L	04.08.14 13.26	J	1
Gamma-Chlordane	5103-74-2	U	0.0510	0.00499	ug/L	04.08.14 13.26	U	1
Heptachlor	76-44-8	U	0.0510	0.00568	ug/L	04.08.14 13.26	U	1
Heptachlor Epoxide	1024-57-3	U	0.0510	0.00147	ug/L	04.08.14 13.26	U	1
Methoxychlor	72-43-5	U	0.510	0.00182	ug/L	04.08.14 13.26	U	1
Chlordane	12789-03-6	U	0.510	0.105	ug/L	04.08.14 13.26	U	1
Toxaphene	8001-35-2	U	2.55	0.0785	ug/L	04.08.14 13.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	55	%	18-126	04.08.14 13.26	
Decachlorobiphenyl	2051-24-3	54	%	15-136	04.08.14 13.26	

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GPA Bainbridge

Sample Id: **MW-16** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-017 Date Collected: 03.26.14 15.32

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.36

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	1.00	0.0301	ug/L	04.08.14 13.49	U	10
4,4-DDE	72-55-9	U	1.00	0.0604	ug/L	04.08.14 13.49	U	10
4,4-DDT	50-29-3	U	1.00	0.347	ug/L	04.08.14 13.49	U	10
Aldrin	309-00-2	U	0.500	0.0326	ug/L	04.08.14 13.49	U	10
Alpha-BHC	319-84-6	U	0.500	0.0308	ug/L	04.08.14 13.49	U	10
Alpha-Chlordane	5103-71-9	U	0.500	0.0329	ug/L	04.08.14 13.49	U	10
Beta-BHC	319-85-7	U	0.500	0.0235	ug/L	04.08.14 13.49	U	10
Delta-BHC	319-86-8	U	0.500	0.0133	ug/L	04.08.14 13.49	U	10
Dieldrin	60-57-1	U	1.00	0.0151	ug/L	04.08.14 13.49	U	10
Endosulfan I	959-98-8	U	0.500	0.0100	ug/L	04.08.14 13.49	U	10
Endosulfan II	33213-65-9	U	1.00	0.0177	ug/L	04.08.14 13.49	U	10
Endosulfan Sulfate	1031-07-8	U	1.00	0.0116	ug/L	04.08.14 13.49	U	10
Endrin	72-20-8	U	1.00	0.0146	ug/L	04.08.14 13.49	U	10
Endrin Aldehyde	7421-93-4	U	1.00	0.0344	ug/L	04.08.14 13.49	U	10
Endrin Ketone	53494-70-5	U	1.00	0.0143	ug/L	04.08.14 13.49	U	10
Gamma-BHC (Lindane)	58-89-9	U	0.500	0.0171	ug/L	04.08.14 13.49	U	10
Gamma-Chlordane	5103-74-2	U	0.500	0.0489	ug/L	04.08.14 13.49	U	10
Heptachlor	76-44-8	U	0.500	0.0556	ug/L	04.08.14 13.49	U	10
Heptachlor Epoxide	1024-57-3	U	0.500	0.0144	ug/L	04.08.14 13.49	U	10
Methoxychlor	72-43-5	U	5.00	0.0178	ug/L	04.08.14 13.49	U	10
Chlordane	12789-03-6	U	5.00	1.03	ug/L	04.08.14 13.49	U	10
Toxaphene	8001-35-2	U	25.0	0.769	ug/L	04.08.14 13.49	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	45	%	18-126	04.08.14 13.49	
Decachlorobiphenyl	2051-24-3	42	%	15-136	04.08.14 13.49	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-17** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-018 Date Collected: 03.27.14 16.36

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.02.14 10.00

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	1.00	0.0301	ug/L	04.08.14 14.12	U	10
4,4-DDE	72-55-9	U	1.00	0.0604	ug/L	04.08.14 14.12	U	10
4,4-DDT	50-29-3	U	1.00	0.347	ug/L	04.08.14 14.12	U	10
Aldrin	309-00-2	U	0.500	0.0326	ug/L	04.08.14 14.12	U	10
Alpha-BHC	319-84-6	U	0.500	0.0308	ug/L	04.08.14 14.12	U	10
Alpha-Chlordane	5103-71-9	U	0.500	0.0329	ug/L	04.08.14 14.12	U	10
Beta-BHC	319-85-7	**0.159**	0.500	0.0235	ug/L	04.08.14 14.12	J	10
Delta-BHC	319-86-8	U	0.500	0.0133	ug/L	04.08.14 14.12	U	10
Dieldrin	60-57-1	U	1.00	0.0151	ug/L	04.08.14 14.12	U	10
Endosulfan I	959-98-8	U	0.500	0.0100	ug/L	04.08.14 14.12	U	10
Endosulfan II	33213-65-9	U	1.00	0.0177	ug/L	04.08.14 14.12	U	10
Endosulfan Sulfate	1031-07-8	U	1.00	0.0116	ug/L	04.08.14 14.12	U	10
Endrin	72-20-8	U	1.00	0.0146	ug/L	04.08.14 14.12	U	10
Endrin Aldehyde	7421-93-4	U	1.00	0.0344	ug/L	04.08.14 14.12	U	10
Endrin Ketone	53494-70-5	U	1.00	0.0143	ug/L	04.08.14 14.12	U	10
Gamma-BHC (Lindane)	58-89-9	U	0.500	0.0171	ug/L	04.08.14 14.12	U	10
Gamma-Chlordane	5103-74-2	U	0.500	0.0489	ug/L	04.08.14 14.12	U	10
Heptachlor	76-44-8	U	0.500	0.0556	ug/L	04.08.14 14.12	U	10
Heptachlor Epoxide	1024-57-3	U	0.500	0.0144	ug/L	04.08.14 14.12	U	10
Methoxychlor	72-43-5	U	5.00	0.0178	ug/L	04.08.14 14.12	U	10
Chlordane	12789-03-6	U	5.00	1.03	ug/L	04.08.14 14.12	U	10
Toxaphene	8001-35-2	U	25.0	0.769	ug/L	04.08.14 14.12	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	52	%	18-126	04.08.14 14.12	
Decachlorobiphenyl	2051-24-3	84	%	15-136	04.08.14 14.12	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-18** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-019 Date Collected: 03.26.14 08.26

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.02.14 10.03

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.962	0.0289	ug/L	04.08.14 14.35	U	10
4,4-DDE	72-55-9	U	0.962	0.0581	ug/L	04.08.14 14.35	U	10
4,4-DDT	50-29-3	U	0.962	0.333	ug/L	04.08.14 14.35	U	10
Aldrin	309-00-2	U	0.481	0.0313	ug/L	04.08.14 14.35	U	10
Alpha-BHC	319-84-6	U	0.481	0.0296	ug/L	04.08.14 14.35	U	10
Alpha-Chlordane	5103-71-9	U	0.481	0.0317	ug/L	04.08.14 14.35	U	10
Beta-BHC	319-85-7	**0.356**	0.481	0.0226	ug/L	04.08.14 14.35	J	10
Delta-BHC	319-86-8	U	0.481	0.0127	ug/L	04.08.14 14.35	U	10
Dieldrin	60-57-1	U	0.962	0.0145	ug/L	04.08.14 14.35	U	10
Endosulfan I	959-98-8	U	0.481	0.00963	ug/L	04.08.14 14.35	U	10
Endosulfan II	33213-65-9	U	0.962	0.0170	ug/L	04.08.14 14.35	U	10
Endosulfan Sulfate	1031-07-8	U	0.962	0.0112	ug/L	04.08.14 14.35	U	10
Endrin	72-20-8	U	0.962	0.0140	ug/L	04.08.14 14.35	U	10
Endrin Aldehyde	7421-93-4	U	0.962	0.0331	ug/L	04.08.14 14.35	U	10
Endrin Ketone	53494-70-5	U	0.962	0.0137	ug/L	04.08.14 14.35	U	10
Gamma-BHC (Lindane)	58-89-9	U	0.481	0.0164	ug/L	04.08.14 14.35	U	10
Gamma-Chlordane	5103-74-2	U	0.481	0.0470	ug/L	04.08.14 14.35	U	10
Heptachlor	76-44-8	U	0.481	0.0535	ug/L	04.08.14 14.35	U	10
Heptachlor Epoxide	1024-57-3	U	0.481	0.0138	ug/L	04.08.14 14.35	U	10
Methoxychlor	72-43-5	U	4.81	0.0171	ug/L	04.08.14 14.35	U	10
Chlordane	12789-03-6	U	4.81	0.993	ug/L	04.08.14 14.35	U	10
Toxaphene	8001-35-2	U	24.0	0.740	ug/L	04.08.14 14.35	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	52	%	18-126	04.08.14 14.35	
Decachlorobiphenyl	2051-24-3	90	%	15-136	04.08.14 14.35	

Certificate of Analytical Results 482272

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-19** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-020 Date Collected: 03.25.14 12.22

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.01.14 16.39

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	1.01	0.0304	ug/L	04.08.14 14.58	U	10
4,4-DDE	72-55-9	U	1.01	0.0610	ug/L	04.08.14 14.58	U	10
4,4-DDT	50-29-3	U	1.01	0.350	ug/L	04.08.14 14.58	U	10
Aldrin	309-00-2	U	0.505	0.0329	ug/L	04.08.14 14.58	U	10
Alpha-BHC	319-84-6	U	0.505	0.0311	ug/L	04.08.14 14.58	U	10
Alpha-Chlordane	5103-71-9	U	0.505	0.0333	ug/L	04.08.14 14.58	U	10
Beta-BHC	319-85-7	**0.0643**	0.505	0.0237	ug/L	04.08.14 14.58	J	10
Delta-BHC	319-86-8	U	0.505	0.0134	ug/L	04.08.14 14.58	U	10
Dieldrin	60-57-1	U	1.01	0.0153	ug/L	04.08.14 14.58	U	10
Endosulfan I	959-98-8	U	0.505	0.0101	ug/L	04.08.14 14.58	U	10
Endosulfan II	33213-65-9	U	1.01	0.0179	ug/L	04.08.14 14.58	U	10
Endosulfan Sulfate	1031-07-8	U	1.01	0.0117	ug/L	04.08.14 14.58	U	10
Endrin	72-20-8	U	1.01	0.0147	ug/L	04.08.14 14.58	U	10
Endrin Aldehyde	7421-93-4	U	1.01	0.0347	ug/L	04.08.14 14.58	U	10
Endrin Ketone	53494-70-5	U	1.01	0.0144	ug/L	04.08.14 14.58	U	10
Gamma-BHC (Lindane)	58-89-9	U	0.505	0.0173	ug/L	04.08.14 14.58	U	10
Gamma-Chlordane	5103-74-2	U	0.505	0.0494	ug/L	04.08.14 14.58	U	10
Heptachlor	76-44-8	U	0.505	0.0562	ug/L	04.08.14 14.58	U	10
Heptachlor Epoxide	1024-57-3	U	0.505	0.0145	ug/L	04.08.14 14.58	U	10
Methoxychlor	72-43-5	U	5.05	0.0180	ug/L	04.08.14 14.58	U	10
Chlordane	12789-03-6	U	5.05	1.04	ug/L	04.08.14 14.58	U	10
Toxaphene	8001-35-2	U	25.3	0.777	ug/L	04.08.14 14.58	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	55	%	18-126	04.08.14 14.58	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-19 Duplicate** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-021 Date Collected: 03.27.14 12.22

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.02.14 10.06

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0980	0.00295	ug/L	04.08.14 15.21	U	1
4,4-DDE	72-55-9	U	0.0980	0.00592	ug/L	04.08.14 15.21	U	1
4,4-DDT	50-29-3	U	0.0980	0.0340	ug/L	04.08.14 15.21	U	1
Aldrin	309-00-2	U	0.0490	0.00320	ug/L	04.08.14 15.21	U	1
Alpha-BHC	319-84-6	U	0.0490	0.00302	ug/L	04.08.14 15.21	U	1
Alpha-Chlordane	5103-71-9	U	0.0490	0.00323	ug/L	04.08.14 15.21	U	1
Beta-BHC	319-85-7	**0.0740**	0.0490	0.00230	ug/L	04.08.14 15.21		1
Delta-BHC	319-86-8	U	0.0490	0.00130	ug/L	04.08.14 15.21	U	1
Dieldrin	60-57-1	U	0.0980	0.00148	ug/L	04.08.14 15.21	U	1
Endosulfan I	959-98-8	U	0.0490	0.000982	ug/L	04.08.14 15.21	U	1
Endosulfan II	33213-65-9	U	0.0980	0.00174	ug/L	04.08.14 15.21	U	1
Endosulfan Sulfate	1031-07-8	U	0.0980	0.00114	ug/L	04.08.14 15.21	U	1
Endrin	72-20-8	U	0.0980	0.00143	ug/L	04.08.14 15.21	U	1
Endrin Aldehyde	7421-93-4	U	0.0980	0.00337	ug/L	04.08.14 15.21	U	1
Endrin Ketone	53494-70-5	U	0.0980	0.00140	ug/L	04.08.14 15.21	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0109**	0.0490	0.00168	ug/L	04.08.14 15.21	J	1
Gamma-Chlordane	5103-74-2	U	0.0490	0.00480	ug/L	04.08.14 15.21	U	1
Heptachlor	76-44-8	U	0.0490	0.00545	ug/L	04.08.14 15.21	U	1
Heptachlor Epoxide	1024-57-3	U	0.0490	0.00141	ug/L	04.08.14 15.21	U	1
Methoxychlor	72-43-5	U	0.490	0.00175	ug/L	04.08.14 15.21	U	1
Chlordane	12789-03-6	U	0.490	0.101	ug/L	04.08.14 15.21	U	1
Toxaphene	8001-35-2	U	2.45	0.0754	ug/L	04.08.14 15.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	51	%	18-126	04.08.14 15.21	
Decachlorobiphenyl	2051-24-3	74	%	15-136	04.08.14 15.21	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-20** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-022 Date Collected: 03.27.14 09.25

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.02.14 10.09

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.990	0.0298	ug/L	04.08.14 15.43	U	10
4,4-DDE	72-55-9	U	0.990	0.0598	ug/L	04.08.14 15.43	U	10
4,4-DDT	50-29-3	U	0.990	0.343	ug/L	04.08.14 15.43	U	10
Aldrin	309-00-2	U	0.495	0.0323	ug/L	04.08.14 15.43	U	10
Alpha-BHC	319-84-6	U	0.495	0.0305	ug/L	04.08.14 15.43	U	10
Alpha-Chlordane	5103-71-9	U	0.495	0.0326	ug/L	04.08.14 15.43	U	10
Beta-BHC	319-85-7	**2.64**	0.495	0.0232	ug/L	04.08.14 15.43		10
Delta-BHC	319-86-8	**0.0229**	0.495	0.0131	ug/L	04.08.14 15.43	J	10
Dieldrin	60-57-1	U	0.990	0.0150	ug/L	04.08.14 15.43	U	10
Endosulfan I	959-98-8	U	0.495	0.00991	ug/L	04.08.14 15.43	U	10
Endosulfan II	33213-65-9	U	0.990	0.0175	ug/L	04.08.14 15.43	U	10
Endosulfan Sulfate	1031-07-8	U	0.990	0.0115	ug/L	04.08.14 15.43	U	10
Endrin	72-20-8	U	0.990	0.0144	ug/L	04.08.14 15.43	U	10
Endrin Aldehyde	7421-93-4	U	0.990	0.0341	ug/L	04.08.14 15.43	U	10
Endrin Ketone	53494-70-5	U	0.990	0.0141	ug/L	04.08.14 15.43	U	10
Gamma-BHC (Lindane)	58-89-9	U	0.495	0.0169	ug/L	04.08.14 15.43	U	10
Gamma-Chlordane	5103-74-2	U	0.495	0.0484	ug/L	04.08.14 15.43	U	10
Heptachlor	76-44-8	U	0.495	0.0551	ug/L	04.08.14 15.43	U	10
Heptachlor Epoxide	1024-57-3	U	0.495	0.0142	ug/L	04.08.14 15.43	U	10
Methoxychlor	72-43-5	U	4.95	0.0176	ug/L	04.08.14 15.43	U	10
Chlordane	12789-03-6	U	4.95	1.02	ug/L	04.08.14 15.43	U	10
Toxaphene	8001-35-2	U	24.8	0.762	ug/L	04.08.14 15.43	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	23	%	18-126	04.08.14 15.43	
Decachlorobiphenyl	2051-24-3	41	%	15-136	04.08.14 15.43	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-21** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-023 Date Collected: 03.27.14 15.36

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.02.14 10.12

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	1.00	0.0301	ug/L	04.08.14 16.06	U	10
4,4-DDE	72-55-9	U	1.00	0.0604	ug/L	04.08.14 16.06	U	10
4,4-DDT	50-29-3	U	1.00	0.347	ug/L	04.08.14 16.06	U	10
Aldrin	309-00-2	U	0.500	0.0326	ug/L	04.08.14 16.06	U	10
Alpha-BHC	319-84-6	U	0.500	0.0308	ug/L	04.08.14 16.06	U	10
Alpha-Chlordane	5103-71-9	U	0.500	0.0329	ug/L	04.08.14 16.06	U	10
Beta-BHC	319-85-7	**0.856**	0.500	0.0235	ug/L	04.08.14 16.06		10
Delta-BHC	319-86-8	U	0.500	0.0133	ug/L	04.08.14 16.06	U	10
Dieldrin	60-57-1	U	1.00	0.0151	ug/L	04.08.14 16.06	U	10
Endosulfan I	959-98-8	U	0.500	0.0100	ug/L	04.08.14 16.06	U	10
Endosulfan II	33213-65-9	U	1.00	0.0177	ug/L	04.08.14 16.06	U	10
Endosulfan Sulfate	1031-07-8	U	1.00	0.0116	ug/L	04.08.14 16.06	U	10
Endrin	72-20-8	U	1.00	0.0146	ug/L	04.08.14 16.06	U	10
Endrin Aldehyde	7421-93-4	U	1.00	0.0344	ug/L	04.08.14 16.06	U	10
Endrin Ketone	53494-70-5	U	1.00	0.0143	ug/L	04.08.14 16.06	U	10
Gamma-BHC (Lindane)	58-89-9	U	0.500	0.0171	ug/L	04.08.14 16.06	U	10
Gamma-Chlordane	5103-74-2	U	0.500	0.0489	ug/L	04.08.14 16.06	U	10
Heptachlor	76-44-8	U	0.500	0.0556	ug/L	04.08.14 16.06	U	10
Heptachlor Epoxide	1024-57-3	U	0.500	0.0144	ug/L	04.08.14 16.06	U	10
Methoxychlor	72-43-5	U	5.00	0.0178	ug/L	04.08.14 16.06	U	10
Chlordane	12789-03-6	U	5.00	1.03	ug/L	04.08.14 16.06	U	10
Toxaphene	8001-35-2	U	25.0	0.769	ug/L	04.08.14 16.06	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	54	%	18-126	04.08.14 16.06	
Decachlorobiphenyl	2051-24-3	61	%	15-136	04.08.14 16.06	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-22** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-024 Date Collected: 03.27.14 10.40

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.02.14 10.15

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.962	0.0289	ug/L	04.08.14 16.29	U	10
4,4-DDE	72-55-9	U	0.962	0.0581	ug/L	04.08.14 16.29	U	10
4,4-DDT	50-29-3	U	0.962	0.333	ug/L	04.08.14 16.29	U	10
Aldrin	309-00-2	U	0.481	0.0313	ug/L	04.08.14 16.29	U	10
Alpha-BHC	319-84-6	**0.284**	0.481	0.0296	ug/L	04.08.14 16.29	J	10
Alpha-Chlordane	5103-71-9	U	0.481	0.0317	ug/L	04.08.14 16.29	U	10
Beta-BHC	319-85-7	**14.3**	0.481	0.0226	ug/L	04.08.14 16.29		10
Delta-BHC	319-86-8	**0.212**	0.481	0.0127	ug/L	04.08.14 16.29	J	10
Dieldrin	60-57-1	U	0.962	0.0145	ug/L	04.08.14 16.29	U	10
Endosulfan I	959-98-8	U	0.481	0.00963	ug/L	04.08.14 16.29	U	10
Endosulfan II	33213-65-9	U	0.962	0.0170	ug/L	04.08.14 16.29	U	10
Endosulfan Sulfate	1031-07-8	U	0.962	0.0112	ug/L	04.08.14 16.29	U	10
Endrin	72-20-8	U	0.962	0.0140	ug/L	04.08.14 16.29	U	10
Endrin Aldehyde	7421-93-4	U	0.962	0.0331	ug/L	04.08.14 16.29	U	10
Endrin Ketone	53494-70-5	U	0.962	0.0137	ug/L	04.08.14 16.29	U	10
Gamma-BHC (Lindane)	58-89-9	**0.166**	0.481	0.0164	ug/L	04.08.14 16.29	J	10
Gamma-Chlordane	5103-74-2	U	0.481	0.0470	ug/L	04.08.14 16.29	U	10
Heptachlor	76-44-8	U	0.481	0.0535	ug/L	04.08.14 16.29	U	10
Heptachlor Epoxide	1024-57-3	U	0.481	0.0138	ug/L	04.08.14 16.29	U	10
Methoxychlor	72-43-5	U	4.81	0.0171	ug/L	04.08.14 16.29	U	10
Chlordane	12789-03-6	U	4.81	0.993	ug/L	04.08.14 16.29	U	10
Toxaphene	8001-35-2	U	24.0	0.740	ug/L	04.08.14 16.29	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	29	%	18-126	04.08.14 16.29	
Decachlorobiphenyl	2051-24-3	38	%	15-136	04.08.14 16.29	

Certificate of Analytical Results 482272

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **Equipment Blank** Matrix: Ground Water Date Received:03.28.14 17.27

Lab Sample Id: 482272-025 Date Collected: 03.26.14 16.56

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: PJB % Moisture:

Analyst: KKO Date Prep: 04.02.14 10.18

Seq Number: 937904 SUB: E871002

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0962	0.00289	ug/L	04.08.14 16.52	U	1
4,4-DDE	72-55-9	U	0.0962	0.00581	ug/L	04.08.14 16.52	U	1
4,4-DDT	50-29-3	U	0.0962	0.0333	ug/L	04.08.14 16.52	U	1
Aldrin	309-00-2	U	0.0481	0.00313	ug/L	04.08.14 16.52	U	1
Alpha-BHC	319-84-6	U	0.0481	0.00296	ug/L	04.08.14 16.52	U	1
Alpha-Chlordane	5103-71-9	U	0.0481	0.00317	ug/L	04.08.14 16.52	U	1
Beta-BHC	319-85-7	U	0.0481	0.00226	ug/L	04.08.14 16.52	U	1
Delta-BHC	319-86-8	U	0.0481	0.00127	ug/L	04.08.14 16.52	U	1
Dieldrin	60-57-1	U	0.0962	0.00145	ug/L	04.08.14 16.52	U	1
Endosulfan I	959-98-8	U	0.0481	0.000963	ug/L	04.08.14 16.52	U	1
Endosulfan II	33213-65-9	U	0.0962	0.00170	ug/L	04.08.14 16.52	U	1
Endosulfan Sulfate	1031-07-8	U	0.0962	0.00112	ug/L	04.08.14 16.52	U	1
Endrin	72-20-8	U	0.0962	0.00140	ug/L	04.08.14 16.52	U	1
Endrin Aldehyde	7421-93-4	U	0.0962	0.00331	ug/L	04.08.14 16.52	U	1
Endrin Ketone	53494-70-5	U	0.0962	0.00137	ug/L	04.08.14 16.52	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0481	0.00164	ug/L	04.08.14 16.52	U	1
Gamma-Chlordane	5103-74-2	U	0.0481	0.00470	ug/L	04.08.14 16.52	U	1
Heptachlor	76-44-8	U	0.0481	0.00535	ug/L	04.08.14 16.52	U	1
Heptachlor Epoxide	1024-57-3	U	0.0481	0.00138	ug/L	04.08.14 16.52	U	1
Methoxychlor	72-43-5	U	0.481	0.00171	ug/L	04.08.14 16.52	U	1
Chlordane	12789-03-6	U	0.481	0.0993	ug/L	04.08.14 16.52	U	1
Toxaphene	8001-35-2	U	2.40	0.0740	ug/L	04.08.14 16.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	88	%	18-126	04.08.14 16.52	
Decachlorobiphenyl	2051-24-3	90	%	15-136	04.08.14 16.52	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 482272

Environmental International Corporation

GPA Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 937898 Matrix: Water Date Prep: 03.31.14

MB Sample Id: 653192-1-BLK LCS Sample Id: 653192-1-BKS LCSD Sample Id: 653192-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00301	1.00	0.927	93	0.874	87	11-160	6	25	ug/L	04.04.14 20:23	
4,4-DDE	<0.00604	1.00	0.889	89	0.831	83	15-157	7	25	ug/L	04.04.14 20:23	
4,4-DDT	<0.0347	1.00	0.918	92	0.884	88	15-157	4	25	ug/L	04.04.14 20:23	
Aldrin	<0.00326	1.00	0.812	81	0.762	76	12-154	6	25	ug/L	04.04.14 20:23	
Alpha-BHC	<0.00308	1.00	0.829	83	0.780	78	10-149	6	25	ug/L	04.04.14 20:23	
Alpha-Chlordane	<0.00329	1.00	0.861	86	0.805	81	15-140	7	25	ug/L	04.04.14 20:23	
Beta-BHC	<0.00235	1.00	0.821	82	0.784	78	10-151	5	25	ug/L	04.04.14 20:23	
Delta-BHC	<0.00133	1.00	0.865	87	0.821	82	10-155	5	25	ug/L	04.04.14 20:23	
Dieldrin	<0.00151	1.00	0.886	89	0.826	83	14-156	7	25	ug/L	04.04.14 20:23	
Endosulfan I	<0.00100	1.00	0.826	83	0.774	77	12-155	7	25	ug/L	04.04.14 20:23	
Endosulfan II	<0.00177	1.00	0.895	90	0.844	84	16-158	6	25	ug/L	04.04.14 20:23	
Endosulfan Sulfate	<0.00116	1.00	0.901	90	0.855	86	17-159	5	25	ug/L	04.04.14 20:23	
Endrin	<0.00146	1.00	0.895	90	0.838	84	14-169	7	25	ug/L	04.04.14 20:23	
Endrin Aldehyde	<0.00344	1.00	0.842	84	0.795	80	22-148	6	25	ug/L	04.04.14 20:23	
Endrin Ketone	<0.00143	1.00	0.925	93	0.879	88	28-154	5	25	ug/L	04.04.14 20:23	
Gamma-BHC (Lindane)	<0.00171	1.00	0.843	84	0.792	79	8-157	6	25	ug/L	04.04.14 20:23	
Gamma-Chlordane	<0.00489	1.00	0.847	85	0.808	81	18-141	5	25	ug/L	04.04.14 20:23	
Heptachlor	<0.00556	1.00	0.834	83	0.780	78	10-157	7	25	ug/L	04.04.14 20:23	
Heptachlor Epoxide	<0.00144	1.00	0.840	84	0.789	79	15-155	6	25	ug/L	04.04.14 20:23	
Methoxychlor	<0.00178	1.00	0.855	86	0.819	82	25-161	1	25	ug/L	04.04.14 20:23	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	68		77		70		18-126	%	04.04.14 20:23
Decachlorobiphenyl	80		92		91		15-136	%	04.04.14 20:23

QC Summary 482272

Environmental International Corporation

GPA Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C
Seq Number: 937904 Matrix: Water Date Prep: 04.01.14
MB Sample Id: 653297-1-BLK LCS Sample Id: 653297-1-BKS LCSD Sample Id: 653297-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00301	1.00	0.779	78	0.831	83	11-160	6	25	ug/L	04.05.14 02:51	
4,4-DDE	<0.00604	1.00	0.725	73	0.777	78	15-157	7	25	ug/L	04.05.14 02:51	
4,4-DDT	<0.0347	1.00	0.631	63	0.693	69	15-157	9	25	ug/L	04.05.14 02:51	
Aldrin	<0.00326	1.00	0.683	68	0.723	72	12-154	6	25	ug/L	04.05.14 02:51	
Alpha-BHC	<0.00308	1.00	0.683	68	0.721	72	10-149	5	25	ug/L	04.05.14 02:51	
Alpha-Chlordane	<0.00329	1.00	0.700	70	0.749	75	15-140	7	25	ug/L	04.05.14 02:51	
Beta-BHC	<0.00235	1.00	0.690	69	0.731	73	10-151	6	25	ug/L	04.05.14 02:51	
Delta-BHC	<0.00133	1.00	0.635	64	0.670	67	10-155	5	25	ug/L	04.05.14 02:51	
Dieldrin	<0.00151	1.00	0.725	73	0.775	78	14-156	7	25	ug/L	04.05.14 02:51	
Endosulfan I	<0.00100	1.00	0.685	69	0.728	73	12-155	6	25	ug/L	04.05.14 02:51	
Endosulfan II	<0.00177	1.00	0.738	74	0.785	79	16-158	6	25	ug/L	04.05.14 02:51	
Endosulfan Sulfate	<0.00116	1.00	0.693	69	0.742	74	17-159	7	25	ug/L	04.05.14 02:51	
Endrin	<0.00146	1.00	0.689	69	0.737	74	14-169	7	25	ug/L	04.05.14 02:51	
Endrin Aldehyde	<0.00344	1.00	0.673	67	0.712	71	22-148	6	25	ug/L	04.05.14 02:51	
Endrin Ketone	<0.00143	1.00	0.793	79	0.844	84	28-154	6	25	ug/L	04.05.14 02:51	
Gamma-BHC (Lindane)	<0.00171	1.00	0.687	69	0.731	73	8-157	6	25	ug/L	04.05.14 02:51	
Gamma-Chlordane	<0.00489	1.00	0.702	70	0.749	75	18-141	6	25	ug/L	04.05.14 02:51	
Heptachlor	<0.00556	1.00	0.654	65	0.695	70	10-157	6	25	ug/L	04.05.14 02:51	
Heptachlor Epoxide	<0.00144	1.00	0.688	69	0.731	73	15-155	6	25	ug/L	04.05.14 02:51	
Methoxychlor	<0.00178	1.00	0.626	63	0.673	67	25-161	7	25	ug/L	04.05.14 02:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	57		63		66		18-126	%	04.05.14 02:51
Decachlorobiphenyl	54		69		73		15-136	%	04.05.14 02:51

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C
Seq Number: 937898 Matrix: Sludge Date Prep: 04.01.14
Parent Sample Id: 482087-006 MS Sample Id: 482087-006 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
Endosulfan I	<0.00501	5.00	3.73	75	12-155	ug/L	04.04.14 22:40	
Methoxychlor	<0.00891	5.00	3.64	73	25-161	ug/L	04.04.14 22:40	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	68		18-126	%	04.04.14 22:40
Decachlorobiphenyl	80		15-136	%	04.04.14 22:40

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: EIC
Address: 161 Kimball Bridge Rd. Alpharetta, GA 30009
Results Sent to: Patrick Gragson
Email address: pgragson@eicusa.com
Contact Phone #: 770-772-7100 Cell#:
Project Name (Site): GPA Bainbridge
Project Number (ID): 400007-4.5
Regulatory Program:

Receiver's Initials/Temp: / 1.3°C
Custody Seal(s): Y N Lab Work Order # 482272
P.O.# (if required):
Field Comments / Lab Precautions:

Sampler(s): (signature): A. Patrick Gragson
Sampler(s): (printed): Patrick Gragson

Analysis Requested

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081A	GA	GA
Container Type:								GA	GA	
Chemical Preservation Code:										
1	MW-1		3/25/14 17:34	GW		X	1	X		
2	MW-1A		3/25/14 18:19	GW		X	1	X		
3	MW-~~3~~ 2		3/25/14 10:04	GW		X	1	X		
4	MW-3		3/25/14 15:54	GW		X	1	X		
5	MW-4U		3/25/14 16:48	GW		X	1	X		
6	MW-5A		3/26/14 11:48	GW		X	1	X		
7	MW-5D		3/26/14 12:44	GW		X	1	X		
8	MW-6		3/26/14 14:17	GW		X	1	X		
9	MW-7		3/26/14 14:04	GW		X	1	X		
10	MW-8		3/26/14 11:07	GW		X	1	X		

1) Relinquished By: A. Patrick Gragson Date / Time 3/28/14 17:27
2) Received By: Dario Lagmas Date / Time 03/28/14 17:27
Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: Date / Time
4) Received By: Date / Time
5) Relinquished By: Date / Time
6) Received By: Date / Time

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: EIC
Address: 161 Kimball Bridge Rd. Alpharetta, GA 30009
Results Sent to: Patrick Grayson
Email address: pgfagson@eicusa.com
Contact Phone #: 770-772-7100 Cell#:
Project Name (Site): GPA Bainbridge
Project Number (ID): 400007-45
Regulatory Program:

Receiver's Initials/Temp: A / 1.3°C
Custody Seal(s): ___ Y N Lab Work Order # 482272
P.O.# (if required):
Field Comments / Lab Precautions:

Sampler(s): (signature) A. Patterson
Sampler(s): (printed) Patrick Grayson

Container Type: GA
Chemical Preservation Code:

Analysis Requested: 8081A

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081A
1	MW-8 Matrix Spike		3/26/2014 11:07	GW		X	1	X
2	MW-10		3/26/14 16:31	GW		X	1	X
3	MW-11		3/25/14 10:59	GW		X	1	X
4	MW-12		3/26/14 10:21	GW		X	1	X
5	MW-13		3/26/14 17:41	GW		X	1	X
6	MW-14		3/25/14 19:48	GW		X	1	X
7	MW-15		3/26/14 9:29	GW		X	1	X
8	MW-16		3/26/14 15:32	GW		X	1	X
9	MW-17		3/27/14 16:36	GW		X	1	X
10	MW-18		3/26/14 8:26	GW		X	1	X

1) Relinquished By: A. Patterson Date / Time 3/28/14 17:27
2) Received By: Dario Lagmas Date / Time 03/28/14 17:27
Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: Date / Time
4) Received By: Date / Time
5) Relinquished By: Date / Time
6) Received By: Date / Time

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: EIC
Address: 161 Kimball Bridge Rd. Alpharetta, GA 30009
Results Sent to: Patrick Grayson
Email address: pgrayson@eicusa.com
Contact Phone #: 770-772-7100 Cell#:
Project Name (Site): GPA Bainbridge
Project Number (ID): 400007-4.5
Regulatory Program:

Receiver's Initials/Temp: PL / 1.3°C
Custody Seal(s): ___ Y N Lab Work Order # 482272
P.O.# (if required):
Field Comments / Lab Precautions:

Sampler(s): (signature): A. Patrick Grayson
Sampler(s): (printed): Patrick Grayson

Analysis Requested

Container Type: GA
Chemical Preservation Code:

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081A
1	MW-19		3/25/14 12:22	GW		X	1	X
2	MW-19 Duplicate		3/25/14 12:22	GW		X	1	X
3	MW-20		3/27/14 9:25	GW		X	1	X
4	MW-21		3/27/14 15:36	GW		X	1	X
5	MW-22		3/27/14 10:40	GW		X	1	X
6	MW-22 Matrix Spike		3/27/14 10:40	GW		X	1	X
7	Equipment Blank		3/27/14 16:56	GW		X	1	X
8								
9								
10								

1) Relinquished By: A. Patrick Grayson	Date / Time 3/28/14 17:27	2) Received By: Dario Lagmar	Date / Time 03/28/14 17:27
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Environmental International Corporation

Date/ Time Received: 03/28/2014 05:27:00 PM

Work Order #: 482272

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 03/29/2014

Checklist reviewed by: Eben Buchanan Date: 03/31/2014

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT D

September 2014 Groundwater Analytical Results

Analytical Report 492804

for

Environmental International Corporation

Project Manager: Alan Sanders

GPA Bainbridge

400007-4.5

15-SEP-14

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-16-TX), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

15-SEP-14

Project Manager: **Alan Sanders**
Environmental International Corporation
161 Kimball Bridge Road, Suite 100
Alpharetta, GA 30009

Reference: XENCO Report No(s): **492804**
GPA Bainbridge
Project Address: GA

Alan Sanders:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 492804. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 492804 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Eben D. Buchanan, Jr.

Eben Buchanan
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	09-04-14 11:19		492804-001
MW-1A	W	09-04-14 12:17		492804-002
MW-2	W	09-03-14 08:58		492804-003
MW-3	W	09-04-14 09:03		492804-004
MW-4 U	W	09-04-14 10:02		492804-005
MW-5A	W	09-05-14 09:04		492804-006
MW-5D	W	09-03-14 19:40		492804-007
MW-6	W	09-04-14 19:07		492804-008
MW-7	W	09-03-14 15:09		492804-009
MW-8	W	09-03-14 18:50		492804-010
MW-10	W	09-03-14 17:43		492804-011
MW-10 DUP	W	09-03-14 17:43		492804-012
MW-11	W	09-03-14 10:25		492804-013
MW-12	W	09-02-14 20:24		492804-014
MW-13	W	09-02-14 15:15		492804-015
MW-14	W	09-04-14 18:09		492804-016
MW-15	W	09-05-14 14:04		492804-017
MW-16	W	09-03-14 16:45		492804-018
MW-17	W	09-02-14 17:56		492804-019
MW-18	W	09-04-14 15:15		492804-020
MW-19	W	09-04-14 15:15		492804-021
MW-20	W	09-03-14 16:14		492804-022
MW-21	W	09-05-14 10:46		492804-023
MW-22	W	09-05-14 10:39		492804-024
MW-23	W	09-05-14 12:27		492804-025
MW-6 Tubing Rinsate	W	09-02-14 19:17		492804-026
Equipment Blank	W	09-05-14 08:30		492804-027

CASE NARRATIVE

Client Name: Environmental International Corporation
Project Name: GPA Bainbridge

Project ID: *400007-4.5*
Work Order Number(s): *492804*

Report Date: *15-SEP-14*
Date Received: *09/06/2014*

Sample receipt non conformances and comments:

All samples for Pesticides by SW-846 8081B were subject to Sulfur Cleanup by METHOD 3660B.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-950367 Organochlorine Pesticides by SW-846 8081B
Gamma-Chlordane recovered above QC limits in the Matrix Spike Duplicate. Samples affected are: 492804-020.
The Laboratory Control Sample for Gamma-Chlordane is within laboratory Control Limits

Surrogate Decachlorobiphenyl, Surrogate Tetrachloro-m-xylene recovered below QC limits. Surrogate was inadvertantly omitted during sample preparation. Re-extraction was not performed due to lack of additional sample aliquote, data confirmed by re-analysis Sample affected are: 492804-018.

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-1**
Lab Sample Id : 492804-001

Matrix : Ground Water
Date Collected : 09.04.14 11.19
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0343	ug/L	09.09.14 12.31	J	1
Beta-BHC	319-85-7	0.231	ug/L	09.09.14 12.31		1
Gamma-BHC (Lindane)	58-89-9	0.0362	ug/L	09.09.14 12.31	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-1A**
Lab Sample Id : 492804-002

Matrix : Ground Water
Date Collected : 09.04.14 12.17
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0234	ug/L	09.09.14 12.51	J	1
Beta-BHC	319-85-7	0.161	ug/L	09.09.14 12.51		1
Delta-BHC	319-86-8	0.00460	ug/L	09.09.14 12.51	J	1
Gamma-BHC (Lindane)	58-89-9	0.0213	ug/L	09.09.14 12.51	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-5A**
Lab Sample Id : 492804-006

Matrix : Ground Water
Date Collected : 09.05.14 09.04
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Aldrin	309-00-2	0.0787	ug/L	09.09.14 14.12		1
Alpha-BHC	319-84-6	0.322	ug/L	09.09.14 14.12		1
Beta-BHC	319-85-7	7.47	ug/L	09.10.14 13.22	D	20
Delta-BHC	319-86-8	1.01	ug/L	09.10.14 13.22	D	20
Dieldrin	60-57-1	1.99	ug/L	09.09.14 14.12		1
Endrin Ketone	53494-70-5	0.235	ug/L	09.09.14 14.12		1
Gamma-BHC (Lindane)	58-89-9	0.298	ug/L	09.09.14 14.12		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-5D**
Lab Sample Id : 492804-007

Matrix : Ground Water
Date Collected : 09.03.14 19.40
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.352	ug/L	09.09.14 14.32		1
Beta-BHC	319-85-7	18.2	ug/L	09.10.14 13.42	D	50
Delta-BHC	319-86-8	1.93	ug/L	09.10.14 13.42	JD	50
Dieldrin	60-57-1	0.360	ug/L	09.09.14 14.32		1
Endrin Ketone	53494-70-5	0.0541	ug/L	09.09.14 14.32	J	1
Gamma-BHC (Lindane)	58-89-9	0.383	ug/L	09.09.14 14.32		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-6**
Lab Sample Id : 492804-008

Matrix : Ground Water
Date Collected : 09.04.14 19.07
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.907	ug/L	09.10.14 14.03	D	10
Beta-BHC	319-85-7	1.15	ug/L	09.10.14 14.03	D	10
Delta-BHC	319-86-8	1.81	ug/L	09.10.14 14.03	D	10

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-7**
Lab Sample Id : 492804-009

Matrix : Ground Water
Date Collected : 09.03.14 15.09
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0364	ug/L	09.09.14 15.33	J	1
Beta-BHC	319-85-7	0.409	ug/L	09.09.14 15.33		1
Gamma-BHC (Lindane)	58-89-9	0.0660	ug/L	09.09.14 15.33		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-8**
Lab Sample Id : 492804-010

Matrix : Ground Water
Date Collected : 09.03.14 18.50
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.179	ug/L	09.09.14 15.53		1
Beta-BHC	319-85-7	1.31	ug/L	09.10.14 14.23	D	5
Delta-BHC	319-86-8	0.272	ug/L	09.09.14 15.53		1
Dieldrin	60-57-1	0.0148	ug/L	09.09.14 15.53	J	1
Gamma-BHC (Lindane)	58-89-9	0.145	ug/L	09.09.14 15.53		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-10**
Lab Sample Id : 492804-011

Matrix : Ground Water
Date Collected : 09.03.14 17.43
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.443	ug/L	09.09.14 16.13		1
Beta-BHC	319-85-7	7.62	ug/L	09.10.14 14.43	D	20
Delta-BHC	319-86-8	0.489	ug/L	09.09.14 16.13		1
Gamma-BHC (Lindane)	58-89-9	0.189	ug/L	09.09.14 16.13		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-10 DUP**
Lab Sample Id : 492804-012

Matrix : Ground Water
Date Collected : 09.03.14 17.43
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.473	ug/L	09.09.14 16.33		1
Beta-BHC	319-85-7	8.20	ug/L	09.10.14 15.03	D	20
Delta-BHC	319-86-8	0.536	ug/L	09.09.14 16.33		1
Gamma-BHC (Lindane)	58-89-9	0.200	ug/L	09.09.14 16.33		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-11**
Lab Sample Id : 492804-013

Matrix : Ground Water
Date Collected : 09.03.14 10.25
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.0181	ug/L	09.09.14 16.53	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-12**
Lab Sample Id : 492804-014

Matrix : Ground Water
Date Collected : 09.02.14 20.24
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0227	ug/L	09.09.14 17.14	J	1
Beta-BHC	319-85-7	0.660	ug/L	09.09.14 17.14		1
Delta-BHC	319-86-8	0.00930	ug/L	09.09.14 17.14	J	1
Gamma-BHC (Lindane)	58-89-9	0.0107	ug/L	09.09.14 17.14	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-13**
Lab Sample Id : 492804-015

Matrix : Ground Water
Date Collected : 09.02.14 15.15
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0319	ug/L	09.09.14 17.34	J	1
Beta-BHC	319-85-7	3.87	ug/L	09.10.14 15.23	D	10
Delta-BHC	319-86-8	0.0782	ug/L	09.09.14 17.34		1
Gamma-BHC (Lindane)	58-89-9	0.0517	ug/L	09.09.14 17.34		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-14**
Lab Sample Id : 492804-016

Matrix : Ground Water
Date Collected : 09.04.14 18.09
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.311	ug/L	09.09.14 17.54		1
Gamma-BHC (Lindane)	58-89-9	0.00250	ug/L	09.09.14 17.54	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-15**
Lab Sample Id : 492804-017

Matrix : Ground Water
Date Collected : 09.05.14 14.04
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.139	ug/L	09.09.14 18.14		1
Beta-BHC	319-85-7	0.587	ug/L	09.09.14 18.14		1
Delta-BHC	319-86-8	0.0174	ug/L	09.09.14 18.14	J	1
Gamma-BHC (Lindane)	58-89-9	0.0865	ug/L	09.09.14 18.14		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-17**
Lab Sample Id : 492804-019

Matrix : Ground Water
Date Collected : 09.02.14 17.56
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.218	ug/L	09.09.14 19.15		1
Delta-BHC	319-86-8	0.0105	ug/L	09.09.14 19.15	J	1
Gamma-BHC (Lindane)	58-89-9	0.00287	ug/L	09.09.14 19.15	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-18**
Lab Sample Id : 492804-020

Matrix : Ground Water
Date Collected : 09.04.14 15.15
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950367

Prep Method: SW3510C
Date Prep: 09.08.14 09.45

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.102	ug/L	09.09.14 19.35		1
Gamma-BHC (Lindane)	58-89-9	0.00327	ug/L	09.09.14 19.35	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-19**
Lab Sample Id : 492804-021

Matrix : Ground Water
Date Collected : 09.04.14 15.15
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950379

Prep Method: SW3510C
Date Prep: 09.08.14 10.55

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.0762	ug/L	09.09.14 21.57		1
Delta-BHC	319-86-8	0.00515	ug/L	09.09.14 21.57	J	1
Gamma-BHC (Lindane)	58-89-9	0.00891	ug/L	09.09.14 21.57	J	1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-20**
Lab Sample Id : 492804-022

Matrix : Ground Water
Date Collected : 09.03.14 16.14
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950379

Prep Method: SW3510C
Date Prep: 09.08.14 10.55

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0803	ug/L	09.09.14 22.17		1
Beta-BHC	319-85-7	12.4	ug/L	09.10.14 16.24	D	50
Delta-BHC	319-86-8	0.469	ug/L	09.09.14 22.17		1
Gamma-BHC (Lindane)	58-89-9	0.0740	ug/L	09.09.14 22.17		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-21**
Lab Sample Id : 492804-023

Matrix : Ground Water
Date Collected : 09.05.14 10.46
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950379

Prep Method: SW3510C
Date Prep: 09.08.14 10.55

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.359	ug/L	09.09.14 22.37		1
Beta-BHC	319-85-7	5.52	ug/L	09.10.14 17.04	D	10
Delta-BHC	319-86-8	0.574	ug/L	09.09.14 22.37		1
Gamma-BHC (Lindane)	58-89-9	0.280	ug/L	09.09.14 22.37		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-22**
Lab Sample Id : 492804-024

Matrix : Ground Water
Date Collected : 09.05.14 10.39
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950379

Prep Method: SW3510C
Date Prep: 09.08.14 10.55

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	1.01	ug/L	09.10.14 17.25	D	5
Beta-BHC	319-85-7	37.2	ug/L	09.10.14 17.45	D	50
Delta-BHC	319-86-8	22.4	ug/L	09.10.14 17.45	D	50
Gamma-BHC (Lindane)	58-89-9	0.365	ug/L	09.09.14 22.57		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-23**
Lab Sample Id : 492804-025

Matrix : Ground Water
Date Collected : 09.05.14 12.27
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950379

Prep Method: SW3510C
Date Prep: 09.08.14 10.55

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0227	ug/L	09.09.14 23.58	J	1
Beta-BHC	319-85-7	5.17	ug/L	09.10.14 18.05	D	10
Delta-BHC	319-86-8	0.0174	ug/L	09.09.14 23.58	J	1
Gamma-BHC (Lindane)	58-89-9	0.0517	ug/L	09.09.14 23.58		1

Hits Summary 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id : **MW-6 Tubing Rinsate**
Lab Sample Id : 492804-026

Matrix : Ground Water
Date Collected : 09.02.14 19.17
Date Received : 09.06.14 10.44

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 950379

Prep Method: SW3510C
Date Prep: 09.08.14 10.55

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Beta-BHC	319-85-7	0.102	ug/L	09.10.14 00.18		1

Certificate of Analytical Results 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-1** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-001 Date Collected: 09.04.14 11.19

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 12.31	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 12.31	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 12.31	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 12.31	U	1
Alpha-BHC	319-84-6	**0.0343**	0.0500	0.0101	ug/L	09.09.14 12.31	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 12.31	U	1
Beta-BHC	319-85-7	**0.231**	0.0500	0.00230	ug/L	09.09.14 12.31		1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.09.14 12.31	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 12.31	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 12.31	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 12.31	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 12.31	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 12.31	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 12.31	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 12.31	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0362**	0.0500	0.00160	ug/L	09.09.14 12.31	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 12.31	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 12.31	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 12.31	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 12.31	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 12.31	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 12.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	93	%	27-135	09.09.14 12.31	
Decachlorobiphenyl	2051-24-3	113	%	26-154	09.09.14 12.31	

Certificate of Analytical Results 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-1A** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-002 Date Collected: 09.04.14 12.17

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 12.51	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 12.51	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 12.51	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 12.51	U	1
Alpha-BHC	319-84-6	**0.0234**	0.0500	0.0101	ug/L	09.09.14 12.51	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 12.51	U	1
Beta-BHC	319-85-7	**0.161**	0.0500	0.00230	ug/L	09.09.14 12.51		1
Delta-BHC	319-86-8	**0.00460**	0.0500	0.00200	ug/L	09.09.14 12.51	J	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 12.51	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 12.51	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 12.51	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 12.51	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 12.51	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 12.51	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 12.51	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0213**	0.0500	0.00160	ug/L	09.09.14 12.51	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 12.51	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 12.51	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 12.51	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 12.51	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 12.51	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 12.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	94	%	27-135	09.09.14 12.51	
Decachlorobiphenyl	2051-24-3	109	%	26-154	09.09.14 12.51	

Certificate of Analytical Results 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-2** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-003 Date Collected: 09.03.14 08.58

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 13.11	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 13.11	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 13.11	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 13.11	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.09.14 13.11	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 13.11	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	09.09.14 13.11	U	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.09.14 13.11	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 13.11	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 13.11	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 13.11	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 13.11	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 13.11	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 13.11	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 13.11	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	09.09.14 13.11	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 13.11	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 13.11	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 13.11	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 13.11	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 13.11	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 13.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	86	%	27-135	09.09.14 13.11	
Decachlorobiphenyl	2051-24-3	106	%	26-154	09.09.14 13.11	

Certificate of Analytical Results 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-3** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-004 Date Collected: 09.04.14 09.03

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 13.31	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 13.31	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 13.31	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 13.31	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.09.14 13.31	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 13.31	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	09.09.14 13.31	U	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.09.14 13.31	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 13.31	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 13.31	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 13.31	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 13.31	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 13.31	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 13.31	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 13.31	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	09.09.14 13.31	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 13.31	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 13.31	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 13.31	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 13.31	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 13.31	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 13.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	84	%	27-135	09.09.14 13.31	
Decachlorobiphenyl	2051-24-3	109	%	26-154	09.09.14 13.31	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-4 U** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-005 Date Collected: 09.04.14 10.02

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 13.52	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 13.52	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 13.52	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 13.52	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.09.14 13.52	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 13.52	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	09.09.14 13.52	U	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.09.14 13.52	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 13.52	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 13.52	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 13.52	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 13.52	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 13.52	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 13.52	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 13.52	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	09.09.14 13.52	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 13.52	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 13.52	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 13.52	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 13.52	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 13.52	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 13.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	77	%	27-135	09.09.14 13.52	
Decachlorobiphenyl	2051-24-3	104	%	26-154	09.09.14 13.52	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-5A** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-006 Date Collected: 09.05.14 09.04

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 14.12	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 14.12	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 14.12	U	1
Aldrin	309-00-2	**0.0787**	0.0500	0.00260	ug/L	09.09.14 14.12		1
Alpha-BHC	319-84-6	**0.322**	0.0500	0.0101	ug/L	09.09.14 14.12		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 14.12	U	1
Beta-BHC	319-85-7	**7.47**	1.00	0.0460	ug/L	09.10.14 13.22	D	20
Delta-BHC	319-86-8	**1.01**	1.00	0.0400	ug/L	09.10.14 13.22	D	20
Dieldrin	60-57-1	**1.99**	0.100	0.00430	ug/L	09.09.14 14.12		1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 14.12	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 14.12	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 14.12	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 14.12	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 14.12	U	1
Endrin Ketone	53494-70-5	**0.235**	0.100	0.00450	ug/L	09.09.14 14.12		1
Gamma-BHC (Lindane)	58-89-9	**0.298**	0.0500	0.00160	ug/L	09.09.14 14.12		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 14.12	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 14.12	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 14.12	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 14.12	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 14.12	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 14.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	77	%	27-135	09.09.14 14.12	
Decachlorobiphenyl	2051-24-3	107	%	26-154	09.09.14 14.12	

Certificate of Analytical Results 492804

Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-5D** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-007 Date Collected: 09.03.14 19.40

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 14.32	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 14.32	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 14.32	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 14.32	U	1
Alpha-BHC	319-84-6	**0.352**	0.0495	0.0100	ug/L	09.09.14 14.32		1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 14.32	U	1
Beta-BHC	319-85-7	**18.2**	2.48	0.114	ug/L	09.10.14 13.42	D	50
Delta-BHC	319-86-8	**1.93**	2.48	0.0990	ug/L	09.10.14 13.42	JD	50
Dieldrin	60-57-1	**0.360**	0.0990	0.00426	ug/L	09.09.14 14.32		1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 14.32	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 14.32	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 14.32	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 14.32	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 14.32	U	1
Endrin Ketone	53494-70-5	**0.0541**	0.0990	0.00446	ug/L	09.09.14 14.32	J	1
Gamma-BHC (Lindane)	58-89-9	**0.383**	0.0495	0.00158	ug/L	09.09.14 14.32		1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 14.32	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 14.32	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 14.32	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 14.32	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 14.32	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 14.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	95	%	27-135	09.09.14 14.32	
Decachlorobiphenyl	2051-24-3	108	%	26-154	09.09.14 14.32	

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GPA Bainbridge

Sample Id: **MW-6** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-008 Date Collected: 09.04.14 19.07

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 14.52	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 14.52	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 14.52	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 14.52	U	1
Alpha-BHC	319-84-6	**0.907**	0.495	0.100	ug/L	09.10.14 14.03	D	10
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 14.52	U	1
Beta-BHC	319-85-7	**1.15**	0.495	0.0228	ug/L	09.10.14 14.03	D	10
Delta-BHC	319-86-8	**1.81**	0.495	0.0198	ug/L	09.10.14 14.03	D	10
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 14.52	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 14.52	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 14.52	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 14.52	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 14.52	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 14.52	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 14.52	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0495	0.00158	ug/L	09.09.14 14.52	U	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 14.52	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 14.52	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 14.52	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 14.52	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 14.52	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 14.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	95	%	27-135	09.09.14 14.52	
Decachlorobiphenyl	2051-24-3	111	%	26-154	09.09.14 14.52	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-7** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-009 Date Collected: 09.03.14 15.09

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 15.33	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 15.33	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 15.33	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 15.33	U	1
Alpha-BHC	319-84-6	**0.0364**	0.0495	0.0100	ug/L	09.09.14 15.33	J	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 15.33	U	1
Beta-BHC	319-85-7	**0.409**	0.0495	0.00228	ug/L	09.09.14 15.33		1
Delta-BHC	319-86-8	U	0.0495	0.00198	ug/L	09.09.14 15.33	U	1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 15.33	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 15.33	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 15.33	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 15.33	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 15.33	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 15.33	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 15.33	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0660**	0.0495	0.00158	ug/L	09.09.14 15.33		1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 15.33	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 15.33	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 15.33	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 15.33	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 15.33	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 15.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	84	%	27-135	09.09.14 15.33	
Decachlorobiphenyl	2051-24-3	108	%	26-154	09.09.14 15.33	

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Sample Id: **MW-8** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-010 Date Collected: 09.03.14 18.50

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 15.53	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 15.53	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 15.53	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 15.53	U	1
Alpha-BHC	319-84-6	**0.179**	0.0495	0.0100	ug/L	09.09.14 15.53		1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 15.53	U	1
Beta-BHC	319-85-7	**1.31**	0.248	0.0114	ug/L	09.10.14 14.23	D	5
Delta-BHC	319-86-8	**0.272**	0.0495	0.00198	ug/L	09.09.14 15.53		1
Dieldrin	60-57-1	**0.0148**	0.0990	0.00426	ug/L	09.09.14 15.53	J	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 15.53	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 15.53	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 15.53	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 15.53	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 15.53	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 15.53	U	1
Gamma-BHC (Lindane)	58-89-9	**0.145**	0.0495	0.00158	ug/L	09.09.14 15.53		1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 15.53	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 15.53	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 15.53	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 15.53	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 15.53	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 15.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	91	%	27-135	09.09.14 15.53	
Decachlorobiphenyl	2051-24-3	110	%	26-154	09.09.14 15.53	

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Sample Id: **MW-10** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-011 Date Collected: 09.03.14 17.43

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 16.13	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 16.13	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 16.13	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 16.13	U	1
Alpha-BHC	319-84-6	**0.443**	0.0500	0.0101	ug/L	09.09.14 16.13		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 16.13	U	1
Beta-BHC	319-85-7	**7.62**	1.00	0.0460	ug/L	09.10.14 14.43	D	20
Delta-BHC	319-86-8	**0.489**	0.0500	0.00200	ug/L	09.09.14 16.13		1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 16.13	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 16.13	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 16.13	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 16.13	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 16.13	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 16.13	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 16.13	U	1
Gamma-BHC (Lindane)	58-89-9	**0.189**	0.0500	0.00160	ug/L	09.09.14 16.13		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 16.13	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 16.13	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 16.13	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 16.13	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 16.13	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 16.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	91	%	27-135	09.09.14 16.13	
Decachlorobiphenyl	2051-24-3	111	%	26-154	09.09.14 16.13	

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Sample Id: **MW-10 DUP** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-012 Date Collected: 09.03.14 17.43

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 16.33	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 16.33	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 16.33	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 16.33	U	1
Alpha-BHC	319-84-6	**0.473**	0.0500	0.0101	ug/L	09.09.14 16.33		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 16.33	U	1
Beta-BHC	319-85-7	**8.20**	1.00	0.0460	ug/L	09.10.14 15.03	D	20
Delta-BHC	319-86-8	**0.536**	0.0500	0.00200	ug/L	09.09.14 16.33		1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 16.33	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 16.33	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 16.33	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 16.33	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 16.33	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 16.33	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 16.33	U	1
Gamma-BHC (Lindane)	58-89-9	**0.200**	0.0500	0.00160	ug/L	09.09.14 16.33		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 16.33	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 16.33	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 16.33	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 16.33	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 16.33	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 16.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	97	%	27-135	09.09.14 16.33	
Decachlorobiphenyl	2051-24-3	113	%	26-154	09.09.14 16.33	

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Sample Id: **MW-11** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-013 Date Collected: 09.03.14 10.25

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 16.53	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 16.53	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 16.53	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 16.53	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.09.14 16.53	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 16.53	U	1
Beta-BHC	319-85-7	**0.0181**	0.0500	0.00230	ug/L	09.09.14 16.53	J	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.09.14 16.53	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 16.53	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 16.53	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 16.53	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 16.53	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 16.53	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 16.53	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 16.53	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	09.09.14 16.53	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 16.53	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 16.53	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 16.53	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 16.53	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 16.53	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 16.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	95	%	27-135	09.09.14 16.53	
Decachlorobiphenyl	2051-24-3	106	%	26-154	09.09.14 16.53	

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Sample Id: **MW-12** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-014 Date Collected: 09.02.14 20.24

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 17.14	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 17.14	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 17.14	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 17.14	U	1
Alpha-BHC	319-84-6	**0.0227**	0.0500	0.0101	ug/L	09.09.14 17.14	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 17.14	U	1
Beta-BHC	319-85-7	**0.660**	0.0500	0.00230	ug/L	09.09.14 17.14		1
Delta-BHC	319-86-8	**0.00930**	0.0500	0.00200	ug/L	09.09.14 17.14	J	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 17.14	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 17.14	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 17.14	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 17.14	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 17.14	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 17.14	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 17.14	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0107**	0.0500	0.00160	ug/L	09.09.14 17.14	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 17.14	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 17.14	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 17.14	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 17.14	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 17.14	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 17.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	87	%	27-135	09.09.14 17.14	
Decachlorobiphenyl	2051-24-3	113	%	26-154	09.09.14 17.14	

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Environmental International Corporation, Alpharetta, GA

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Sample Id: **MW-13** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-015 Date Collected: 09.02.14 15.15

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 17.34	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 17.34	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 17.34	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 17.34	U	1
Alpha-BHC	319-84-6	**0.0319**	0.0500	0.0101	ug/L	09.09.14 17.34	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 17.34	U	1
Beta-BHC	319-85-7	**3.87**	0.500	0.0230	ug/L	09.10.14 15.23	D	10
Delta-BHC	319-86-8	**0.0782**	0.0500	0.00200	ug/L	09.09.14 17.34		1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 17.34	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 17.34	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 17.34	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 17.34	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 17.34	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 17.34	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 17.34	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0517**	0.0500	0.00160	ug/L	09.09.14 17.34		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 17.34	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 17.34	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 17.34	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 17.34	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 17.34	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 17.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	95	%	27-135	09.09.14 17.34	
Decachlorobiphenyl	2051-24-3	109	%	26-154	09.09.14 17.34	

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Sample Id: **MW-14** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-016 Date Collected: 09.04.14 18.09

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 17.54	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 17.54	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 17.54	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 17.54	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.09.14 17.54	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 17.54	U	1
Beta-BHC	319-85-7	**0.311**	0.0500	0.00230	ug/L	09.09.14 17.54		1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.09.14 17.54	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 17.54	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 17.54	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 17.54	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 17.54	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 17.54	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 17.54	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 17.54	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00250**	0.0500	0.00160	ug/L	09.09.14 17.54	J	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 17.54	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 17.54	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 17.54	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 17.54	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 17.54	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 17.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	92	%	27-135	09.09.14 17.54	
Decachlorobiphenyl	2051-24-3	108	%	26-154	09.09.14 17.54	

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Sample Id: **MW-15** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-017 Date Collected: 09.05.14 14.04

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 18.14	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 18.14	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 18.14	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 18.14	U	1
Alpha-BHC	319-84-6	**0.139**	0.0500	0.0101	ug/L	09.09.14 18.14		1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 18.14	U	1
Beta-BHC	319-85-7	**0.587**	0.0500	0.00230	ug/L	09.09.14 18.14		1
Delta-BHC	319-86-8	**0.0174**	0.0500	0.00200	ug/L	09.09.14 18.14	J	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 18.14	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 18.14	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 18.14	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 18.14	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 18.14	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 18.14	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 18.14	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0865**	0.0500	0.00160	ug/L	09.09.14 18.14		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 18.14	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 18.14	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 18.14	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 18.14	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 18.14	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 18.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	97	%	27-135	09.09.14 18.14	
Decachlorobiphenyl	2051-24-3	104	%	26-154	09.09.14 18.14	

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Sample Id: **MW-16** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-018 Date Collected: 09.03.14 16.45

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 18.34	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 18.34	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 18.34	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 18.34	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.09.14 18.34	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 18.34	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	09.09.14 18.34	U	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.09.14 18.34	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 18.34	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 18.34	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 18.34	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 18.34	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 18.34	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 18.34	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 18.34	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	09.09.14 18.34	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 18.34	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 18.34	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 18.34	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 18.34	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 18.34	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 18.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	0	%	27-135	09.09.14 18.34	**
Decachlorobiphenyl	2051-24-3	0	%	26-154	09.09.14 18.34	**

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Sample Id: **MW-17** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-019 Date Collected: 09.02.14 17.56

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 19.15	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 19.15	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 19.15	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 19.15	U	1
Alpha-BHC	319-84-6	U	0.0495	0.0100	ug/L	09.09.14 19.15	U	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 19.15	U	1
Beta-BHC	319-85-7	**0.218**	0.0495	0.00228	ug/L	09.09.14 19.15		1
Delta-BHC	319-86-8	**0.0105**	0.0495	0.00198	ug/L	09.09.14 19.15	J	1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 19.15	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 19.15	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 19.15	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 19.15	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 19.15	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 19.15	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 19.15	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00287**	0.0495	0.00158	ug/L	09.09.14 19.15	J	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 19.15	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 19.15	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 19.15	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 19.15	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 19.15	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 19.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	75	%	27-135	09.09.14 19.15	
Decachlorobiphenyl	2051-24-3	97	%	26-154	09.09.14 19.15	

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Sample Id: **MW-18** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-020 Date Collected: 09.04.14 15.15

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 09.45

Seq Number: 950367

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 19.35	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 19.35	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 19.35	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 19.35	U	1
Alpha-BHC	319-84-6	U	0.0495	0.0100	ug/L	09.09.14 19.35	U	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 19.35	U	1
Beta-BHC	319-85-7	**0.102**	0.0495	0.00228	ug/L	09.09.14 19.35		1
Delta-BHC	319-86-8	U	0.0495	0.00198	ug/L	09.09.14 19.35	U	1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 19.35	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 19.35	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 19.35	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 19.35	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 19.35	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 19.35	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 19.35	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00327**	0.0495	0.00158	ug/L	09.09.14 19.35	J	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 19.35	UX	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 19.35	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 19.35	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 19.35	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 19.35	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 19.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	94	%	27-135	09.09.14 19.35	
Decachlorobiphenyl	2051-24-3	108	%	26-154	09.09.14 19.35	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-19** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-021 Date Collected: 09.04.14 15.15

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 10.55

Seq Number: 950379

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 21.57	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 21.57	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 21.57	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 21.57	U	1
Alpha-BHC	319-84-6	U	0.0495	0.0100	ug/L	09.09.14 21.57	U	1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 21.57	U	1
Beta-BHC	319-85-7	**0.0762**	0.0495	0.00228	ug/L	09.09.14 21.57		1
Delta-BHC	319-86-8	**0.00515**	0.0495	0.00198	ug/L	09.09.14 21.57	J	1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 21.57	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 21.57	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 21.57	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 21.57	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 21.57	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 21.57	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 21.57	U	1
Gamma-BHC (Lindane)	58-89-9	**0.00891**	0.0495	0.00158	ug/L	09.09.14 21.57	J	1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 21.57	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 21.57	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 21.57	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 21.57	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 21.57	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 21.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	69	%	27-135	09.09.14 21.57	
Decachlorobiphenyl	2051-24-3	98	%	26-154	09.09.14 21.57	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-20** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-022 Date Collected: 09.03.14 16.14

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 10.55

Seq Number: 950379

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 22.17	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 22.17	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 22.17	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 22.17	U	1
Alpha-BHC	319-84-6	**0.0803**	0.0495	0.0100	ug/L	09.09.14 22.17		1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 22.17	U	1
Beta-BHC	319-85-7	**12.4**	2.48	0.114	ug/L	09.10.14 16.24	D	50
Delta-BHC	319-86-8	**0.469**	0.0495	0.00198	ug/L	09.09.14 22.17		1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 22.17	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 22.17	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 22.17	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 22.17	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 22.17	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 22.17	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 22.17	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0740**	0.0495	0.00158	ug/L	09.09.14 22.17		1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 22.17	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 22.17	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 22.17	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 22.17	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 22.17	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 22.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	105	%	27-135	09.09.14 22.17	
Decachlorobiphenyl	2051-24-3	108	%	26-154	09.09.14 22.17	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-21** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-023 Date Collected: 09.05.14 10.46

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 10.55

Seq Number: 950379

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 22.37	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 22.37	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 22.37	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 22.37	U	1
Alpha-BHC	319-84-6	**0.359**	0.0495	0.0100	ug/L	09.09.14 22.37		1
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 22.37	U	1
Beta-BHC	319-85-7	**5.52**	0.495	0.0228	ug/L	09.10.14 17.04	D	10
Delta-BHC	319-86-8	**0.574**	0.0495	0.00198	ug/L	09.09.14 22.37		1
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 22.37	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 22.37	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 22.37	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 22.37	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 22.37	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 22.37	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 22.37	U	1
Gamma-BHC (Lindane)	58-89-9	**0.280**	0.0495	0.00158	ug/L	09.09.14 22.37		1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 22.37	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 22.37	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 22.37	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 22.37	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 22.37	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 22.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	86	%	27-135	09.09.14 22.37	
Decachlorobiphenyl	2051-24-3	107	%	26-154	09.09.14 22.37	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-22** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-024 Date Collected: 09.05.14 10.39

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 10.55

Seq Number: 950379

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.0990	0.00366	ug/L	09.09.14 22.57	U	1
4,4-DDE	72-55-9	U	0.0990	0.00347	ug/L	09.09.14 22.57	U	1
4,4-DDT	50-29-3	U	0.0990	0.00485	ug/L	09.09.14 22.57	U	1
Aldrin	309-00-2	U	0.0495	0.00257	ug/L	09.09.14 22.57	U	1
Alpha-BHC	319-84-6	**1.01**	0.248	0.0500	ug/L	09.10.14 17.25	D	5
Alpha-Chlordane	5103-71-9	U	0.0495	0.00218	ug/L	09.09.14 22.57	U	1
Beta-BHC	319-85-7	**37.2**	2.48	0.114	ug/L	09.10.14 17.45	D	50
Delta-BHC	319-86-8	**22.4**	2.48	0.0990	ug/L	09.10.14 17.45	D	50
Dieldrin	60-57-1	U	0.0990	0.00426	ug/L	09.09.14 22.57	U	1
Endosulfan I	959-98-8	U	0.0495	0.00238	ug/L	09.09.14 22.57	U	1
Endosulfan II	33213-65-9	U	0.0990	0.00446	ug/L	09.09.14 22.57	U	1
Endosulfan Sulfate	1031-07-8	U	0.0990	0.00693	ug/L	09.09.14 22.57	U	1
Endrin	72-20-8	U	0.0990	0.00455	ug/L	09.09.14 22.57	U	1
Endrin Aldehyde	7421-93-4	U	0.0990	0.00851	ug/L	09.09.14 22.57	U	1
Endrin Ketone	53494-70-5	U	0.0990	0.00446	ug/L	09.09.14 22.57	U	1
Gamma-BHC (Lindane)	58-89-9	**0.365**	0.0495	0.00158	ug/L	09.09.14 22.57		1
Gamma-Chlordane	5103-74-2	U	0.0495	0.00178	ug/L	09.09.14 22.57	U	1
Heptachlor	76-44-8	U	0.0495	0.00287	ug/L	09.09.14 22.57	U	1
Heptachlor Epoxide	1024-57-3	U	0.0495	0.00277	ug/L	09.09.14 22.57	U	1
Methoxychlor	72-43-5	U	0.495	0.0285	ug/L	09.09.14 22.57	U	1
Chlordane	12789-03-6	U	0.495	0.0953	ug/L	09.09.14 22.57	U	1
Toxaphene	8001-35-2	U	2.48	0.419	ug/L	09.09.14 22.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	107	%	27-135	09.09.14 22.57	
Decachlorobiphenyl	2051-24-3	109	%	26-154	09.09.14 22.57	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-23** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-025 Date Collected: 09.05.14 12.27

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 10.55

Seq Number: 950379

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.09.14 23.58	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.09.14 23.58	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.09.14 23.58	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.09.14 23.58	U	1
Alpha-BHC	319-84-6	**0.0227**	0.0500	0.0101	ug/L	09.09.14 23.58	J	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.09.14 23.58	U	1
Beta-BHC	319-85-7	**5.17**	0.500	0.0230	ug/L	09.10.14 18.05	D	10
Delta-BHC	319-86-8	**0.0174**	0.0500	0.00200	ug/L	09.09.14 23.58	J	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.09.14 23.58	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.09.14 23.58	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.09.14 23.58	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.09.14 23.58	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.09.14 23.58	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.09.14 23.58	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.09.14 23.58	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0517**	0.0500	0.00160	ug/L	09.09.14 23.58		1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.09.14 23.58	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.09.14 23.58	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.09.14 23.58	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.09.14 23.58	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.09.14 23.58	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.09.14 23.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	95	%	27-135	09.09.14 23.58	
Decachlorobiphenyl	2051-24-3	106	%	26-154	09.09.14 23.58	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **MW-6 Tubing Rinsate** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-026 Date Collected: 09.02.14 19.17

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 10.55

Seq Number: 950379

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.10.14 00.18	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.10.14 00.18	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.10.14 00.18	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.10.14 00.18	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.10.14 00.18	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.10.14 00.18	U	1
Beta-BHC	319-85-7	**0.102**	0.0500	0.00230	ug/L	09.10.14 00.18		1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.10.14 00.18	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.10.14 00.18	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.10.14 00.18	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.10.14 00.18	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.10.14 00.18	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.10.14 00.18	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.10.14 00.18	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.10.14 00.18	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	09.10.14 00.18	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.10.14 00.18	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.10.14 00.18	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.10.14 00.18	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.10.14 00.18	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.10.14 00.18	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.10.14 00.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	97	%	27-135	09.10.14 00.18	
Decachlorobiphenyl	2051-24-3	99	%	26-154	09.10.14 00.18	

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Environmental International Corporation, Alpharetta, GA

GPA Bainbridge

Sample Id: **Equipment Blank** Matrix: Ground Water Date Received:09.06.14 10.44

Lab Sample Id: 492804-027 Date Collected: 09.05.14 08.30

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C

Tech: BRO % Moisture:

Analyst: CLAR Date Prep: 09.08.14 10.55

Seq Number: 950379

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	09.10.14 00.38	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	09.10.14 00.38	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	09.10.14 00.38	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	09.10.14 00.38	U	1
Alpha-BHC	319-84-6	U	0.0500	0.0101	ug/L	09.10.14 00.38	U	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	09.10.14 00.38	U	1
Beta-BHC	319-85-7	U	0.0500	0.00230	ug/L	09.10.14 00.38	U	1
Delta-BHC	319-86-8	U	0.0500	0.00200	ug/L	09.10.14 00.38	U	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	09.10.14 00.38	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	09.10.14 00.38	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	09.10.14 00.38	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	09.10.14 00.38	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	09.10.14 00.38	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	09.10.14 00.38	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	09.10.14 00.38	U	1
Gamma-BHC (Lindane)	58-89-9	U	0.0500	0.00160	ug/L	09.10.14 00.38	U	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	09.10.14 00.38	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	09.10.14 00.38	U	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	09.10.14 00.38	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	09.10.14 00.38	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	09.10.14 00.38	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	09.10.14 00.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	97	%	27-135	09.10.14 00.38	
Decachlorobiphenyl	2051-24-3	109	%	26-154	09.10.14 00.38	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 492804

Environmental International Corporation

GPA Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 950367 Matrix: Water Date Prep: 09.08.14

MB Sample Id: 661184-1-BLK LCS Sample Id: 661184-1-BKS LCSD Sample Id: 661184-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.456	91	0.459	92	20-152	1	30	ug/L	09.09.14 11:10	
4,4-DDE	<0.00350	0.500	0.484	97	0.489	98	18-147	1	30	ug/L	09.09.14 11:10	
4,4-DDT	<0.00490	0.500	0.510	102	0.514	103	18-164	1	30	ug/L	09.09.14 11:10	
Aldrin	<0.00260	0.500	0.457	91	0.463	93	11-131	1	30	ug/L	09.09.14 11:10	
Alpha-BHC	<0.0101	0.500	0.451	90	0.457	91	24-141	1	30	ug/L	09.09.14 11:10	
Alpha-Chlordane	<0.00220	0.500	0.518	104	0.524	105	37-135	1	30	ug/L	09.09.14 11:10	
Beta-BHC	<0.00230	0.500	0.496	99	0.505	101	12-162	2	30	ug/L	09.09.14 11:10	
Delta-BHC	<0.00200	0.500	0.543	109	0.535	107	19-147	1	30	ug/L	09.09.14 11:10	
Dieldrin	<0.00430	0.500	0.521	104	0.527	105	35-140	1	30	ug/L	09.09.14 11:10	
Endosulfan I	<0.00240	0.500	0.390	78	0.394	79	20-135	1	30	ug/L	09.09.14 11:10	
Endosulfan II	<0.00450	0.500	0.442	88	0.448	90	34-122	1	30	ug/L	09.09.14 11:10	
Endosulfan Sulfate	<0.00700	0.500	0.542	108	0.534	107	41-145	1	30	ug/L	09.09.14 11:10	
Endrin	<0.00460	0.500	0.477	95	0.484	97	36-158	1	30	ug/L	09.09.14 11:10	
Endrin Aldehyde	<0.00860	0.500	0.527	105	0.531	106	28-135	1	30	ug/L	09.09.14 11:10	
Endrin Ketone	<0.00450	0.500	0.567	113	0.561	112	42-134	1	30	ug/L	09.09.14 11:10	
Gamma-BHC (Lindane)	<0.00160	0.500	0.460	92	0.467	93	23-143	2	30	ug/L	09.09.14 11:10	
Gamma-Chlordane	<0.00180	0.500	0.519	104	0.525	105	25-112	1	30	ug/L	09.09.14 11:10	
Heptachlor	<0.00290	0.500	0.430	86	0.436	87	20-142	1	30	ug/L	09.09.14 11:10	
Heptachlor Epoxide	<0.00280	0.500	0.511	102	0.518	104	32-134	1	30	ug/L	09.09.14 11:10	
Methoxychlor	<0.0288	0.500	0.520	104	0.522	104	36-169	0	30	ug/L	09.09.14 11:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	206	**	84		84		27-135	%	09.09.14 11:10
Decachlorobiphenyl	112		108		109		26-154	%	09.09.14 11:10

QC Summary 492804

Environmental International Corporation

GPA Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 950379 Matrix: Water Date Prep: 09.08.14

MB Sample Id: 661187-1-BLK LCS Sample Id: 661187-1-BKS LCSD Sample Id: 661187-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.489	98	0.483	97	20-152	1	30	ug/L	09.09.14 21:16	
4,4-DDE	<0.00350	0.500	0.501	100	0.497	99	18-147	1	30	ug/L	09.09.14 21:16	
4,4-DDT	<0.00490	0.500	0.551	110	0.540	108	18-164	2	30	ug/L	09.09.14 21:16	
Aldrin	<0.00260	0.500	0.480	96	0.477	95	11-131	1	30	ug/L	09.09.14 21:16	
Alpha-BHC	<0.0101	0.500	0.476	95	0.472	94	24-141	1	30	ug/L	09.09.14 21:16	
Alpha-Chlordane	<0.00220	0.500	0.540	108	0.539	108	37-135	0	30	ug/L	09.09.14 21:16	
Beta-BHC	<0.00230	0.500	0.522	104	0.517	103	12-162	1	30	ug/L	09.09.14 21:16	
Delta-BHC	<0.00200	0.500	0.537	107	0.576	115	19-147	7	30	ug/L	09.09.14 21:16	
Dieldrin	<0.00430	0.500	0.549	110	0.546	109	35-140	1	30	ug/L	09.09.14 21:16	
Endosulfan I	<0.00240	0.500	0.407	81	0.405	81	20-135	0	30	ug/L	09.09.14 21:16	
Endosulfan II	<0.00450	0.500	0.464	93	0.463	93	34-122	0	30	ug/L	09.09.14 21:16	
Endosulfan Sulfate	<0.00700	0.500	0.591	118	0.586	117	41-145	1	30	ug/L	09.09.14 21:16	
Endrin	<0.00460	0.500	0.549	110	0.542	108	36-158	1	30	ug/L	09.09.14 21:16	
Endrin Aldehyde	<0.00860	0.500	0.543	109	0.539	108	28-135	1	30	ug/L	09.09.14 21:16	
Endrin Ketone	<0.00450	0.500	0.596	119	0.593	119	42-134	1	30	ug/L	09.09.14 21:16	
Gamma-BHC (Lindane)	<0.00160	0.500	0.484	97	0.481	96	23-143	1	30	ug/L	09.09.14 21:16	
Gamma-Chlordane	<0.00180	0.500	0.542	108	0.540	108	25-112	0	30	ug/L	09.09.14 21:16	
Heptachlor	<0.00290	0.500	0.451	90	0.447	89	20-142	1	30	ug/L	09.09.14 21:16	
Heptachlor Epoxide	<0.00280	0.500	0.536	107	0.534	107	32-134	0	30	ug/L	09.09.14 21:16	
Methoxychlor	<0.0288	0.500	0.579	116	0.568	114	36-169	2	30	ug/L	09.09.14 21:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	214	**	87		92		27-135	%	09.09.14 21:16
Decachlorobiphenyl	115		112		112		26-154	%	09.09.14 21:16

QC Summary 492804

Environmental International Corporation

GPA Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 950367 Matrix: Ground Water Date Prep: 09.08.14

Parent Sample Id: 492804-020 MS Sample Id: 492804-020 S MSD Sample Id: 492804-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.592	118	0.603	121	20-152	2	30	ug/L	09.09.14 19:55	
4,4-DDE	<0.00350	0.500	0.546	109	0.557	111	18-147	2	30	ug/L	09.09.14 19:55	
4,4-DDT	<0.00490	0.500	0.610	122	0.622	124	18-164	2	30	ug/L	09.09.14 19:55	
Aldrin	<0.00260	0.500	0.531	106	0.556	111	11-131	5	30	ug/L	09.09.14 19:55	
Alpha-BHC	<0.0101	0.500	0.534	107	0.562	112	24-141	5	30	ug/L	09.09.14 19:55	
Alpha-Chlordane	<0.00220	0.500	0.564	113	0.586	117	37-135	4	30	ug/L	09.09.14 19:55	
Beta-BHC	0.102	0.500	0.681	116	0.690	118	12-162	1	30	ug/L	09.09.14 19:55	
Delta-BHC	<0.00200	0.500	0.602	120	0.597	119	19-147	1	30	ug/L	09.09.14 19:55	
Dieldrin	<0.00430	0.500	0.556	111	0.581	116	35-140	4	30	ug/L	09.09.14 19:55	
Endosulfan I	<0.00240	0.500	0.433	87	0.445	89	20-135	3	30	ug/L	09.09.14 19:55	
Endosulfan II	<0.00450	0.500	0.481	96	0.492	98	34-122	2	30	ug/L	09.09.14 19:55	
Endosulfan Sulfate	<0.00700	0.500	0.559	112	0.636	127	41-145	13	30	ug/L	09.09.14 19:55	
Endrin	<0.00460	0.500	0.614	123	0.638	128	36-158	4	30	ug/L	09.09.14 19:55	
Endrin Aldehyde	<0.00860	0.500	0.558	112	0.563	113	28-135	1	30	ug/L	09.09.14 19:55	
Endrin Ketone	<0.00450	0.500	0.599	120	0.611	122	42-134	2	30	ug/L	09.09.14 19:55	
Gamma-BHC (Lindane)	0.00287	0.500	0.543	108	0.562	112	23-143	3	30	ug/L	09.09.14 19:55	
Gamma-Chlordane	<0.00180	0.500	0.558	112	0.586	117	25-112	5	30	ug/L	09.09.14 19:55	X
Heptachlor	<0.00290	0.500	0.497	99	0.520	104	20-142	5	30	ug/L	09.09.14 19:55	
Heptachlor Epoxide	<0.00280	0.500	0.567	113	0.586	117	32-134	3	30	ug/L	09.09.14 19:55	
Methoxychlor	<0.0288	0.500	0.663	133	0.837	167	36-169	23	30	ug/L	09.09.14 19:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	89		103		27-135	%	09.09.14 19:55
Decachlorobiphenyl	112		118		26-154	%	09.09.14 19:55

QC Summary 492804

Environmental International Corporation

GPA Bainbridge

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C

Seq Number: 950379 Matrix: Ground Water Date Prep: 09.08.14

Parent Sample Id: 492804-024 MS Sample Id: 492804-024 S MSD Sample Id: 492804-024 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.480	96	0.410	82	20-152	16	30	ug/L	09.09.14 23:18	
4,4-DDE	<0.00350	0.500	0.539	108	0.447	89	18-147	19	30	ug/L	09.09.14 23:18	
4,4-DDT	<0.00490	0.500	0.572	114	0.520	104	18-164	10	30	ug/L	09.09.14 23:18	
Aldrin	<0.00260	0.500	0.541	108	0.490	98	11-131	10	30	ug/L	09.09.14 23:18	
Alpha-BHC	1.14	0.500	2.22	216	2.11	194	24-141	5	30	ug/L	09.09.14 23:18	X
Alpha-Chlordane	<0.00220	0.500	0.542	108	0.472	94	37-135	14	30	ug/L	09.09.14 23:18	
Beta-BHC	39.6	0.500	50.2	2120	43.5	780	12-162	14	30	ug/L	09.09.14 23:18	X
Delta-BHC	27.0	0.500	33.1	1220	29.2	440	19-147	13	30	ug/L	09.09.14 23:18	X
Dieldrin	<0.00430	0.500	0.608	122	0.544	109	35-140	11	30	ug/L	09.09.14 23:18	
Endosulfan I	<0.00240	0.500	0.485	97	0.405	81	20-135	18	30	ug/L	09.09.14 23:18	
Endosulfan II	<0.00450	0.500	0.532	106	0.533	107	34-122	0	30	ug/L	09.09.14 23:18	
Endosulfan Sulfate	<0.00700	0.500	0.625	125	0.601	120	41-145	4	30	ug/L	09.09.14 23:18	
Endrin	<0.00460	0.500	0.681	136	0.556	111	36-158	20	30	ug/L	09.09.14 23:18	
Endrin Aldehyde	<0.00860	0.500	0.547	109	0.511	102	28-135	7	30	ug/L	09.09.14 23:18	
Endrin Ketone	<0.00450	0.500	0.666	133	0.628	126	42-134	6	30	ug/L	09.09.14 23:18	
Gamma-BHC (Lindane)	0.346	0.500	0.965	124	0.900	111	23-143	7	30	ug/L	09.09.14 23:18	
Gamma-Chlordane	<0.00180	0.500	0.476	95	0.497	99	25-112	4	30	ug/L	09.09.14 23:18	
Heptachlor	<0.00290	0.500	0.455	91	0.447	89	20-142	2	30	ug/L	09.09.14 23:18	
Heptachlor Epoxide	<0.00280	0.500	0.517	103	0.492	98	32-134	5	30	ug/L	09.09.14 23:18	
Methoxychlor	<0.0288	0.500	0.590	118	0.546	109	36-169	8	30	ug/L	09.09.14 23:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	104		76		27-135	%	09.09.14 23:18
Decachlorobiphenyl	127		1	**	26-154	%	09.09.14 23:18

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: EIC	Receiver's Initials/Temp: 1 / 5.2°C
Address: 161 Kimball Bridge Rd. Alpharetta, GA30009	Custody Seal(s):___ Y N Lab Work Order # 492804
Results Sent to: Alan Sanders	P.O.# (if required):
Email address: ASANDERS@EICUSA.COM	Field Comments / Lab Precautions:
Contact Phone #: 770-772-7100 Cell#:	
Project Name (Site): GPA Bainbridge	Analysis Requested
Project Number (ID): 400007-4.5	Container Type: GA
Regulatory Program:	Chemical Preservation Code:
Sampler(s): (signature) Will Grant	Sampler(s): (printed) Will Grant

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B/3660B
1	MW-1		9/4/14 11:19	GW		X	1	X
2	MW-1A		9/4/14 12:17	GW		X	1	X
3	MW-2		9/3/14 8:58	GW		X	1	X
4	MW-3		9/4/14 9:03	GW		X	1	X
5	MW-4U		9/4/14 10:02	GW		X	1	X
6	MW-5A		9/5/14 9:07	GW		X	1	X
7	MW-5D		9/3/14 19:40	GW		X	1	X
8	MW-6		9/4/14 19:07	GW		X	1	X
9	MW-7		9/3/14 15:09	GW		X	1	X
10	MW-8		9/3/14 18:50	GW		X	1	X

1) Relinquished By: Will Grant — Date / Time 9/6/14 10:44	2) Received By: [signature] — Date / Time 9/6/14 10:44	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: — Date / Time	4) Received By: — Date / Time	Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM
5) Relinquished By: — Date / Time	6) Received By: — Date / Time	___10 Days ; X 5-7 Days; ___3 Days ___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: EIC
Address: 161 Kimball Bridge Rd. Alpharetta, GA 30009
Results Sent to: Alan Sanders
Email address: asanders@eicusa.com
Contact Phone #: 770-772-7100 Cell#:
Project Name (Site): GPA Bainbridge
Project Number (ID): 400007-4.5
Regulatory Program:

Receiver's Initials/Temp: P / 3.2 C
Custody Seal(s): ___ Y N Lab Work Order # 492804
P.O.# (if required):
Field Comments / Lab Precautions:

Sampler(s): (signature)
Sampler(s): (printed)

Container Type: GA
Chemical Preservation Code:

Analysis Requested: 8081B/3660B

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B/3660B
1	MW-10		9/3/14 17:43	GW		X	1	X
2	MW-10 Dup.		9/3/14 17:43	GW		X	1	X
3	MW-11		9/3/14 10:25	GW		X	1	X
4	MW-12		9/2/14 20:24	GW		X	1	X
5	MW-13		9/2/14 15:15	GW		X	1	X
6	MW-14		9/4/14 18:09	GW		X	1	X
7	MW-15		9/5/14 14:04	GW		X	1	X
8	MW-16		9/3/14 16:45	GW		X	1	X
9	MW-17		9/2/14 17:56	GW		X	1	X
10	MW-18		9/4/14 15:15	GW		X	1	X

1) Relinquished By: [signature] Date / Time 9/6/14 10:44
2) Received By: [signature] Date / Time 9/6/14 10:44
Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: Date / Time
4) Received By: Date / Time
5) Relinquished By: Date / Time
6) Received By: Date / Time

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: EIC
Address: 161 Kimball Bridge Rd. Alpharetta GA 30009
Results Sent to: Alan Sanders
Email address: asanders@eicusa.com
Contact Phone #: 770-772-7100 Cell#:
Project Name (Site): GPA Bainbridge
Project Number (ID): 400007-4.5
Regulatory Program:

Receiver's Initials/Temp: AC / 5.2
Custody Seal(s): ___ Y N Lab Work Order # 492804
P.O.# (if required):
Field Comments / Lab Precautions:

Container Type: GA
Chemical Preservation Code:

Sampler(s): (signature)
Sampler(s): (printed)

Analysis Requested: 8081B / 3660B

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	8081B	3660B
1	MW-18 Matrix Spike		9/4/14 15:15	GW		X	1	X	
2	MW-19		9/3/14 16:14	GW		X	1	X	
3	MW-20		9/5/14 10:46	GW		X	1	X	
4	MW-21		9/5/14 10:39	GW		X	1	X	
5	MW-22		9/5/14 12:27	GW		X	1	X	
6	MW-22 Matrix Spike		9/5/14 12:27	GW		X	1	X	
7	MW-23		9/2/14 19:17	GW		X	1	X	
8	MW-6 Tubing Rinsate		9/5/14 9:38	GW		X	1	X	
9	Equipment Blank		9/5/14 8:30	GW		X	1	X	
10									

1) Relinquished By: [signature] Date / Time 9/6/14 10:44	2) Received By: [signature] Date / Time 9/6/14 10:44	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: Date / Time	4) Received By: Date / Time	Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM
5) Relinquished By: Date / Time	6) Received By: Date / Time	___10 Days ; X 5-7 Days; ___3 Days ___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Environmental International Corporation

Date/ Time Received: 09/06/2014 10:44:00 AM

Work Order #: 492804

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**N/A**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 09/06/2014

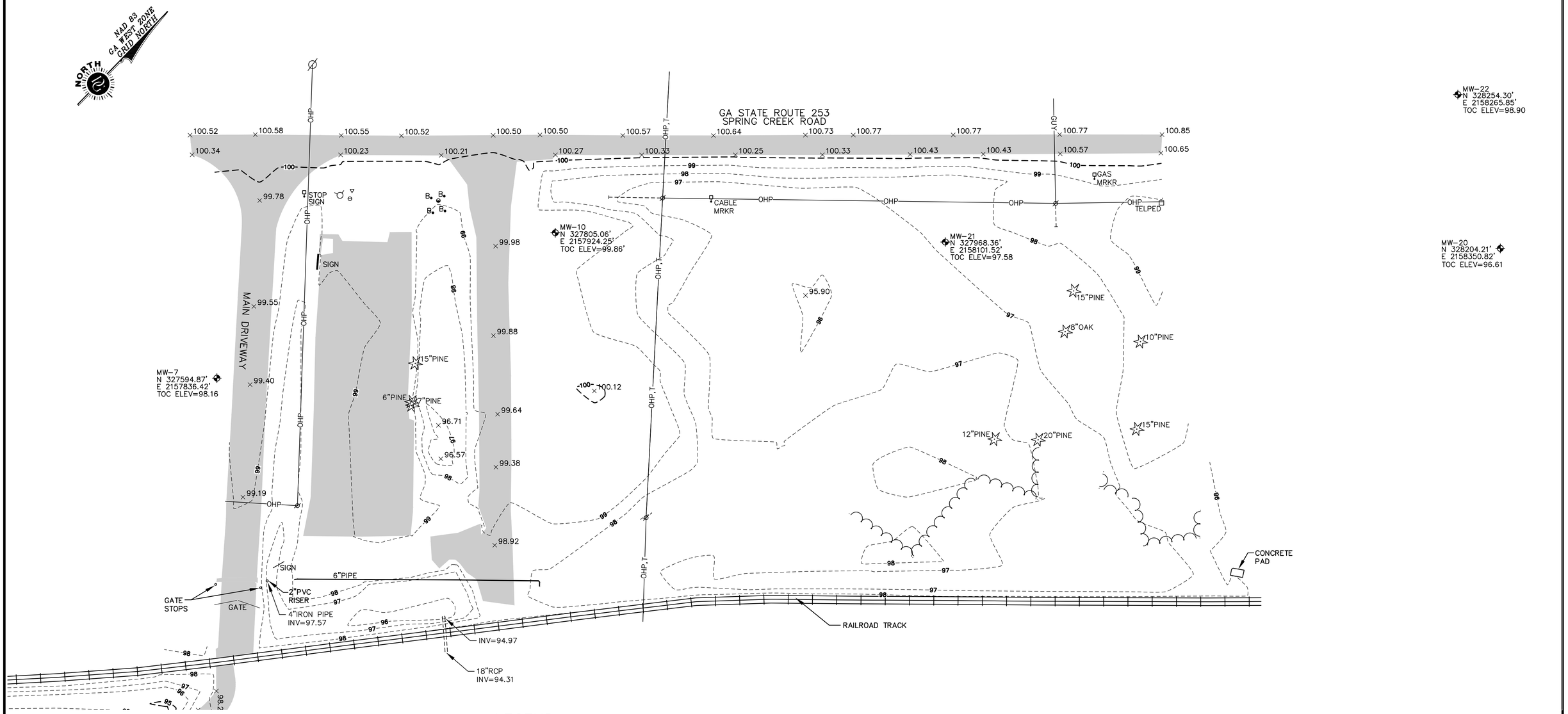
Checklist reviewed by: Eben Buchanan Date: 09/08/2014

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT E

July 2014 Survey Report



NOTES

1. DONALDSON, GARRETT AND ASSOCIATES, INC. AND THE LAND SURVEYOR WHOSE SEAL IS AFFIXED HEREON DO NOT GUARANTEE THAT ALL EASEMENTS WHICH MAY AFFECT THIS PROPERTY ARE SHOWN.
2. THIS DRAWING HAS BEEN GENERATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED AND ORIGINALLY SIGNED BY A REGISTERED LAND SURVEYOR OF DONALDSON, GARRETT AND ASSOCIATES, INC. AUTHORITY OF O.C.G.A. 43-15-22.
3. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED MAY EXIST BUT MAY NOT BE SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. INFORMATION REGARDING MATERIAL AND SIZE OF UTILITIES IS BASED ON RECORDS ACQUIRED FROM THE UTILITY OWNERS. VERIFICATION OF THE UTILITIES SHOULD BE MADE PRIOR TO ANY CONSTRUCTION.
4. ELEVATIONS SHOWN ARE BASED ON MEAN SEA LEVEL DATUM, NAVD88, AND WERE DERIVED FROM GPS OBSERVATIONS USING A LEICA SYSTEM 1200 GPS RECEIVER.

LEGEND

CONTOUR LINE	100
OVERHEAD POWER LINE	OHP
OVERHEAD TELEPHONE LINE	OHT
TELEPHONE PEDESTAL	TELPED
POWER POLE W/GUY	
MONITORING WELL	MW-10
TOP OF CASING	TOC
BOLLARD	
SIGN	
FIRE HYDRANT	
WATER VALVE	
WATER METER	
GAS VALVE AND METER	
SPOT ELEVATION	98.92
TREE (SIZE AND TYPE NOTED)	
ASPHALT PAVEMENT	
TREE LINE	

GEORGIA REGISTERED No. 3122 LAND SURVEYOR DAVID G. BENNETT

TOPOGRAPHIC SURVEY

FOR

ENVIRONMENTAL INTERNATIONAL CORPORATION

OF

GEORGIA PORT AUTHORITY
BAINBRIDGE TERMINAL

DECATUR COUNTY BAINBRIDGE GEORGIA

10/20/09 – ADDED TOPO AREA	R.L.S. NO. 3122	DSGN: N/A	
06/28/13 – ADDED MW'S	DATE: 9/30/09	DRWN: MH	
07/11/14 – REVISED MW-10 LOCATION	CHKD: DB	FIELD FILE: B186;B346	
	SCALE: 1"=30'	DRAWING NO. 2931-09-D	
	PROJ. NO.: 2070-001-D1	SHEET 1 OF 2	
	FIELD BOOK: EDC		

DONALDSON, GARRETT, & ASSOCIATES, INC.
MACON • CHARLOTTE
4875 RIVERSIDE DRIVE P.O. BOX 7306
MACON, GA 31210
(478)474-3350 Fax (478) 477-2534
http://www.dg-a.com

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MW-15
N 327281.17'
E 2158725.83'
TOC ELEV=98.13'

LEGEND

CONTOUR LINE	100
OVERHEAD POWER LINE	OHP
UNDERGROUND POWER	UGP
PROPOSED FENCE	
POWER POLE W/GUY	
MONITORING WELL	MW-5D
SOIL BORING	RSW ISLAND S
SPOT ELEVATION	98.92
TREE LINE	
EDGE OF CONCRETE	EC
CORNER	COR
ASPHALT PAVEMENT	

NOTES

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2. THIS DRAWING HAS BEEN GENERATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED AND ORIGINALLY SIGNED BY A REGISTERED LAND SURVEYOR OF DONALDSON, GARRETT AND ASSOCIATES, INC. AUTHORITY OF O.C.G.A. 43-15-22.
3. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED MAY EXIST BUT MAY NOT BE SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. INFORMATION REGARDING MATERIAL AND SIZE OF UTILITIES IS BASED ON RECORDS ACQUIRED FROM THE UTILITY OWNERS. VERIFICATION OF THE UTILITIES SHOULD BE MADE PRIOR TO ANY CONSTRUCTION.
4. ELEVATIONS SHOWN ARE BASED ON MEAN SEA LEVEL DATUM, NAVD88, AND WERE DERIVED FROM GPS OBSERVATIONS USING A LEICA SYSTEM 1200 GPS RECEIVER.

MW-8
N 326676.14'
E 2158764.60'
TOC ELEV=93.39

MW-17
N 326333.22'
E 2158397.18'
TOC ELEV=93.64'

MW-12
N 326654.40'
E 2158983.43'
TOC ELEV=93.89

MW-23
N 326456.46'
E 2158717.38'
TOC ELEV=93.63'

RAMP

MW-13
N 326161.84'
E 2158242.15'
TOC ELEV=93.35

PIER

STILLING WELL
N 326428.59'
E 2158835.60'
TOC ELEV=91.68'

50 0 50 100 150
GRAPHIC SCALE IN FEET

GEORGIA REGISTERED No. 3122 LAND SURVEYOR DAVID G. BENNETT

TOPOGRAPHIC SURVEY
FOR
ENVIRONMENTAL INTERNATIONAL CORPORATION
OF
GEORGIA PORT AUTHORITY
BAINBRIDGE TERMINAL

DECATUR COUNTY BAINBRIDGE GEORGIA

7-11-14 REVISED MW-17 & MW-15 LOCATIONS	R.L.S. NO. 3122	DSGN: N/A	DONALDSON, GARRETT, & ASSOCIATES, INC.
& ADDED MW-23 AND STILLING WELL	DATE: 10/21/09	DRWN: MH;DB	MACON • CHARLOTTE
	CHKD: DB	FIELD FILE: B186;B346	4875 RIVERSIDE DRIVE P.O. BOX 7306
	SCALE: 1"=30'	DRAWING NO. 2934-09-D	MACON, GA 31210
	PROJ. NO.: 1684-031-D1	SHEET 2 OF 2	(478)474-5350 Fax: (478) 477-2534
	FIELD BOOK: EDC		http://www.dg-a.com

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ENVIRONMENTAL INTERNATIONAL CORP
GA PORT AUTHORITY-BAINBRIDGE TERMINAL
MONITORING WELL SURVEY DATA
PREPARED BY DONALDSON, GARRETT, & ASSOC, INC.
July 11, 2014
FIELD WORK PERFORMED: July 8, 2014

ID	NORTHING	EASTING	ELEVATION	
			GROUND	TOC
MW-10	327805.06	2157924.25	99.87	99.86
MW-15	327281.17	2158725.83	98.20	98.13
MW-17	326333.22	2158397.18	93.96	93.64
MW-23	326456.46	2158717.38	93.72	93.63
SW	326428.59	2158835.60	N/A	91.68

NOTE: COORDINATES SHOWN ARE GA STATE PLANE GRID, WEST ZONE, NAD83. ELEVATIONS ARE NAVD 88 DATUM.

HSI SITE 10071, GEORGIA PORTS AUTHORITY-BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT F

July 2014 IDW Waste Characterization Analytical Results

Analytical Report 488999

for

Environmental International Corporation

Project Manager: Alan Sanders

Bainbridge, GA Site

400007-4.5

18-JUL-14

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-16-TX), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

18-JUL-14

Project Manager: **Alan Sanders**
Environmental International Corporation
161 Kimball Bridge Road, Suite 100
Alpharetta, GA 30009

Reference: XENCO Report No(s): **488999**
Bainbridge, GA Site
Project Address: GA

Alan Sanders:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 488999. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 488999 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Eben D. Buchanan, Jr.

Eben Buchanan
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 488999

Environmental International Corporation, Alpharetta, GA

Bainbridge, GA Site

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Drum #2,3,5,11,12,13 COMPOSITE	S	07-07-14 15:55		488999-001
Equipment Rinsate	W	07-08-14 10:22		488999-007
MW-23	W	07-08-14 09:02		488999-008
Drum #3	S	07-07-14 16:09		Not Analyzed
Drum #5	S	07-07-14 16:28		Not Analyzed
Drum #11	S	07-07-14 18:21		Not Analyzed
Drum #12	S	07-07-14 17:57		Not Analyzed
Drum #13	S	07-07-14 18:08		Not Analyzed

CASE NARRATIVE

Client Name: Environmental International Corporation
Project Name: Bainbridge, GA Site

Project ID: *400007-4.5*
Work Order Number(s): *488999*

Report Date: *18-JUL-14*
Date Received: *07/09/2014*

Sample receipt non conformances and comments:

All samples for Pesticides by SW-846 8081B were subject to Sulfur Cleanup by METHOD 3660B.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-945650 Organochlorine Pesticides by SW-846 8081B
Aldrin, Alpha-BHC, Gamma-BHC (Lindane) , Heptachlor RPD was outside laboratory control limits.
Samples affected are: 488999-008

Batch: LBA-945933 TCLP Pesticides by SW-846 1311/8081B
Gamma-BHC (Lindane), Heptachlor RPD was outside laboratory control limits.
Samples affected are: 488999-007, -001

Hits Summary 488999

Environmental International Corporation, Alpharetta, GA

Bainbridge, GA Site

Sample Id : **MW-23**
Lab Sample Id : 488999-008

Matrix : Water
Date Collected : 07.08.14 09.02
Date Received : 07.09.14 13.35

% Moisture :

Analytical Method : Organochlorine Pesticides by SW-846 8081B
Seq Number 945650

Prep Method: SW3510C
Date Prep: 07.11.14 13.07

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Alpha-BHC	319-84-6	0.0262	ug/L	07.11.14 17.20	JF	1
Beta-BHC	319-85-7	5.68	ug/L	07.14.14 12.16	D	20
Delta-BHC	319-86-8	0.0381	ug/L	07.11.14 17.20	J	1
Gamma-BHC (Lindane)	58-89-9	0.0968	ug/L	07.11.14 17.20	F	1

Certificate of Analytical Results 488999

Environmental International Corporation, Alpharetta, GA

Bainbridge, GA Site

Sample Id: **Drum #2,3,5,11,12,13 COMPOSITE** Matrix: Soil Date Received:07.09.14 13.35

Lab Sample Id: 488999-001 Date Collected: 07.07.14 15.55

Analytical Method: TCLP Pesticides by SW-846 1311/8081B Prep Method: SW3510C

Tech: TUE % Moisture:

Analyst: VIC Date Prep: 07.17.14 10.00

Seq Number: 945933

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gamma-BHC (Lindane)	58-89-9	U	0.500	0.0160	ug/L	07.17.14 16.32	UF	1
Heptachlor	76-44-8	U	0.500	0.0290	ug/L	07.17.14 16.32	UF	1
Heptachlor Epoxide	1024-57-3	U	0.500	0.0280	ug/L	07.17.14 16.32	U	1
Endrin	72-20-8	U	1.00	0.0460	ug/L	07.17.14 16.32	U	1
Methoxychlor	72-43-5	U	5.00	0.288	ug/L	07.17.14 16.32	U	1
Chlordane	12789-03-6	U	5.00	0.963	ug/L	07.17.14 16.32	U	1
Toxaphene	8001-35-2	U	20.0	4.23	ug/L	07.17.14 16.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	55	%	27-135	07.17.14 16.32	
Decachlorobiphenyl	2051-24-3	75	%	26-154	07.17.14 16.32	

Certificate of Analytical Results 488999

Environmental International Corporation, Alpharetta, GA

Bainbridge, GA Site

Sample Id: **Equipment Rinsate** Matrix: Water Date Received:07.09.14 13.35

Lab Sample Id: 488999-007 Date Collected: 07.08.14 10.22

Analytical Method: TCLP Pesticides by SW-846 1311/8081B Prep Method: SW3510C

Tech: TUE % Moisture:

Analyst: VIC Date Prep: 07.17.14 10.00

Seq Number: 945933

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gamma-BHC (Lindane)	58-89-9	U	0.500	0.0160	ug/L	07.17.14 16.52	UF	1
Heptachlor	76-44-8	U	0.500	0.0290	ug/L	07.17.14 16.52	UF	1
Heptachlor Epoxide	1024-57-3	U	0.500	0.0280	ug/L	07.17.14 16.52	U	1
Endrin	72-20-8	U	1.00	0.0460	ug/L	07.17.14 16.52	U	1
Methoxychlor	72-43-5	U	5.00	0.288	ug/L	07.17.14 16.52	U	1
Chlordane	12789-03-6	U	5.00	0.963	ug/L	07.17.14 16.52	U	1
Toxaphene	8001-35-2	U	20.0	4.23	ug/L	07.17.14 16.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	37	%	27-135	07.17.14 16.52	
Decachlorobiphenyl	2051-24-3	57	%	26-154	07.17.14 16.52	

XENCO Laboratories
Florida Testing Services, LLC

Certificate of Analytical Results 488999

Environmental International Corporation, Alpharetta, GA

Bainbridge, GA Site

Sample Id: **MW-23** Matrix: Water Date Received:07.09.14 13.35
Lab Sample Id: 488999-008 Date Collected: 07.08.14 09.02

Analytical Method: Organochlorine Pesticides by SW-846 8081B Prep Method: SW3510C
Tech: BRO % Moisture:
Analyst: VIC Date Prep: 07.11.14 13.07
Seq Number: 945650

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
4,4-DDD	72-54-8	U	0.100	0.00370	ug/L	07.11.14 17.20	U	1
4,4-DDE	72-55-9	U	0.100	0.00350	ug/L	07.11.14 17.20	U	1
4,4-DDT	50-29-3	U	0.100	0.00490	ug/L	07.11.14 17.20	U	1
Aldrin	309-00-2	U	0.0500	0.00260	ug/L	07.11.14 17.20	UF	1
Alpha-BHC	319-84-6	**0.0262**	0.0500	0.0101	ug/L	07.11.14 17.20	JF	1
Alpha-Chlordane	5103-71-9	U	0.0500	0.00220	ug/L	07.11.14 17.20	U	1
Beta-BHC	319-85-7	**5.68**	1.00	0.0460	ug/L	07.14.14 12.16	D	20
Delta-BHC	319-86-8	**0.0381**	0.0500	0.00200	ug/L	07.11.14 17.20	J	1
Dieldrin	60-57-1	U	0.100	0.00430	ug/L	07.11.14 17.20	U	1
Endosulfan I	959-98-8	U	0.0500	0.00240	ug/L	07.11.14 17.20	U	1
Endosulfan II	33213-65-9	U	0.100	0.00450	ug/L	07.11.14 17.20	U	1
Endosulfan Sulfate	1031-07-8	U	0.100	0.00700	ug/L	07.11.14 17.20	U	1
Endrin	72-20-8	U	0.100	0.00460	ug/L	07.11.14 17.20	U	1
Endrin Aldehyde	7421-93-4	U	0.100	0.00860	ug/L	07.11.14 17.20	U	1
Endrin Ketone	53494-70-5	U	0.100	0.00450	ug/L	07.11.14 17.20	U	1
Gamma-BHC (Lindane)	58-89-9	**0.0968**	0.0500	0.00160	ug/L	07.11.14 17.20	F	1
Gamma-Chlordane	5103-74-2	U	0.0500	0.00180	ug/L	07.11.14 17.20	U	1
Heptachlor	76-44-8	U	0.0500	0.00290	ug/L	07.11.14 17.20	UF	1
Heptachlor Epoxide	1024-57-3	U	0.0500	0.00280	ug/L	07.11.14 17.20	U	1
Methoxychlor	72-43-5	U	0.500	0.0288	ug/L	07.11.14 17.20	U	1
Chlordane	12789-03-6	U	0.500	0.0963	ug/L	07.11.14 17.20	U	1
Toxaphene	8001-35-2	U	2.50	0.423	ug/L	07.11.14 17.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tetrachloro-m-xylene	877-09-8	95	%	27-135	07.11.14 17.20	
Decachlorobiphenyl	2051-24-3	103	%	26-154	07.11.14 17.20	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 488999

Environmental International Corporation

Bainbridge, GA Site

Analytical Method: **Organochlorine Pesticides by SW-846 8081B** Prep Method: SW3510C
Seq Number: 945650 Matrix: Water Date Prep: 07.11.14
MB Sample Id: 658209-1-BLK LCS Sample Id: 658209-1-BKS LCSD Sample Id: 658209-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
4,4-DDD	<0.00370	0.500	0.481	96	0.481	96	20-152	0	30	ug/L	07.11.14 16:40	
4,4-DDE	<0.00350	0.500	0.460	92	0.435	87	18-147	6	30	ug/L	07.11.14 16:40	
4,4-DDT	<0.00490	0.500	0.463	93	0.455	91	18-164	2	30	ug/L	07.11.14 16:40	
Aldrin	<0.00260	0.500	0.461	92	0.303	61	11-131	41	30	ug/L	07.11.14 16:40	F
Alpha-BHC	<0.0101	0.500	0.460	92	0.265	53	24-141	54	30	ug/L	07.11.14 16:40	F
Alpha-Chlordane	<0.00220	0.500	0.465	93	0.424	85	37-135	9	30	ug/L	07.11.14 16:40	
Beta-BHC	<0.00230	0.500	0.469	94	0.408	82	12-162	14	30	ug/L	07.11.14 16:40	
Delta-BHC	<0.00200	0.500	0.514	103	0.465	93	19-147	10	30	ug/L	07.11.14 16:40	
Dieldrin	<0.00430	0.500	0.464	93	0.432	86	35-140	7	30	ug/L	07.11.14 16:40	
Endosulfan I	<0.00240	0.500	0.442	88	0.395	79	20-135	11	30	ug/L	07.11.14 16:40	
Endosulfan II	<0.00450	0.500	0.467	93	0.457	91	34-122	2	30	ug/L	07.11.14 16:40	
Endosulfan Sulfate	<0.00700	0.500	0.499	100	0.498	100	41-145	0	30	ug/L	07.11.14 16:40	
Endrin	<0.00460	0.500	0.477	95	0.446	89	36-158	7	30	ug/L	07.11.14 16:40	
Endrin Aldehyde	<0.00860	0.500	0.487	97	0.471	94	28-135	3	30	ug/L	07.11.14 16:40	
Endrin Ketone	<0.00450	0.500	0.521	104	0.514	103	42-134	1	30	ug/L	07.11.14 16:40	
Gamma-BHC (Lindane)	<0.00160	0.500	0.458	92	0.302	60	23-143	41	30	ug/L	07.11.14 16:40	F
Gamma-Chlordane	<0.00180	0.500	0.469	94	0.421	84	25-112	11	30	ug/L	07.11.14 16:40	
Heptachlor	<0.00290	0.500	0.458	92	0.295	59	20-142	43	30	ug/L	07.11.14 16:40	F
Heptachlor Epoxide	<0.00280	0.500	0.459	92	0.396	79	32-134	15	30	ug/L	07.11.14 16:40	
Methoxychlor	<0.0288	0.500	0.491	98	0.467	93	36-169	5	30	ug/L	07.11.14 16:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	78		83		49		27-135	%	07.11.14 16:40
Decachlorobiphenyl	98		102		102		26-154	%	07.11.14 16:40

Analytical Method: **TCLP Pesticides by SW-846 1311/8081B** Prep Method: SW3510C
Seq Number: 945933 Matrix: Water Date Prep: 07.17.14
MB Sample Id: 658508-1-BLK LCS Sample Id: 658508-1-BKS LCSD Sample Id: 658508-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gamma-BHC (Lindane)	<0.0160	5.00	3.19	64	2.30	46	23-143	32	30	ug/L	07.17.14 15:52	F
Heptachlor	<0.0290	5.00	3.07	61	2.19	44	20-142	33	30	ug/L	07.17.14 15:52	F
Heptachlor Epoxide	<0.0280	5.00	3.41	68	2.65	53	32-134	25	30	ug/L	07.17.14 15:52	
Endrin	<0.0460	5.00	3.53	71	2.77	55	36-158	24	30	ug/L	07.17.14 15:52	
Methoxychlor	<0.288	5.00	3.80	76	3.05	61	36-169	22	30	ug/L	07.17.14 15:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	75		50		40		27-135	%	07.17.14 15:52
Decachlorobiphenyl	82		77		64		26-154	%	07.17.14 15:52

QC Summary 488999

Florida Testing Services, LLC

Environmental International Corporation

Bainbridge, GA Site

Analytical Method: **TCLP Pesticides by SW-846 1311/8081B** Prep Method: SW3510C

Seq Number: 945933 Matrix: Water Date Prep: 07.17.14

Parent Sample Id: 488999-007 MS Sample Id: 488999-007 S MSD Sample Id: 488999-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gamma-BHC (Lindane)	<0.0160	5.00	3.22	64	3.23	65	23-143	0	30	ug/L	07.17.14 17:13	
Heptachlor	<0.0290	5.00	3.17	63	3.16	63	20-142	0	30	ug/L	07.17.14 17:13	
Heptachlor Epoxide	<0.0280	5.00	3.46	69	3.46	69	32-134	0	30	ug/L	07.17.14 17:13	
Endrin	<0.0460	5.00	3.62	72	3.63	73	36-158	0	30	ug/L	07.17.14 17:13	
Methoxychlor	<0.288	5.00	3.85	77	3.85	77	36-169	0	30	ug/L	07.17.14 17:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tetrachloro-m-xylene	50		50		27-135	%	07.17.14 17:13
Decachlorobiphenyl	77		76		26-154	%	07.17.14 17:13

XENCO Laboratories

☐ 3231 NW 7th Ave, Boca Raton, Fl 33431 561-447-7373
☐ 2505 Falkenburg Rd, Tampa, Fl 33569 813-620-2000
☒ 6017 Financial Drive, Norcross, Georgia 30071 770-449-8800
☐ Philadephia/New Jersey 610-955-5649
☐ South Carolina 803-543-8099 ☐ Other

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 265780 Page 1 of 1

Company-City: EIC - Alpharetta
Phone: 770-772-7100
Lab Only: WO # 488999
Proj Name-Location: GPA - Bainbridge ☒ Previously done at XENCO
Project ID: 400007-4.5
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.
Proj State: AL, FL, (GA) LA, MS, NC, NJ, PA, SC, TN, TX, UT Other
Proj. Manager (PM): Alan Sanders
e-Mail Results to ☐ PM or asanders@eicusa.com
Fax No:
Invoice to ☐ Accounting ☒ Inc. Invoice with Final Report ☐ Invoice must have a P.O Bill to:
Quote/Pricing: P.O No: ☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW GA HSRA
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)
Sampler Name: Will Grant Signature: Will Grant

	Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOCs PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	FL PRO DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	Stability for analysis (TBD)	8081 B/3660B	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Remarks: Sample Clean-ups are pre-approved as needed
1	Drum # 2	7/7/14	15:55		S	See Notes Below		1	4	C	NA										X					
2	Drum # 3	7/7/14	16:09		S			1	4	C	NA										X					
3	Drum # 5	7/7/14	16:28		S			1	4	C	NA										X					
4	Drum # 11	7/7/14	18:21		S			1	4	C	NA										X					
5	Drum # 12	7/7/14	17:57		S			1	4	C	NA										X					
6	Drum # 13	7/7/14	18:08		S			1	4	C	NA										X					
7	Equipment Rinsate	7/8/14	10:22		W			1	1	A	NA										X					
8	MW-23	7/8/14	9:02		W			1	1	A	NA											X				
9																										
10																										

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Will Grant	7/9/14 13:35	2)	07/09/14 13:35
3)		4)	
5)		6)	

Total Containers per COC: Cooler Temp: 15.3°C
Rec'd on ICE, Melted Cooled upon receipt

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved.

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Asbc Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O) _____
Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (40), 1L (1), 500ml (5), Tedlar Bag (B), Various (V), Other _____ Cont. Type: Glass Amb (A), Glass Clear (C), Plastic (P), Various (V)

Matrix: Air (A), Product (P), Solid(S), Water (W), Liquid (L)

Committed to Excellence in Service and Quality www.xenco.com

Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previoiusly negotiated under a fully executed client contract.

all 4oz soil samples should be composited, prior to analysis. MW-23 is a grab sample for Groundwater.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Environmental International Corporation

Date/ Time Received: 07/09/2014 01:35:00 PM

Work Order #: 488999

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	15.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	Received with melting ICE. Samples received at 15.3 deg C. Upon receipt of samples and processing, additional cooling procedure was initiated in lab to bring samples "<6 degs C". Samples are local transport.
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: J. Derek Rounsley Date: 07/10/2014

Checklist reviewed by: Mike Kimmel Date: 07/10/2014

HSI SITE 10071, GEORGIA PORTS AUTHORITY- BAINBRIDGE TERMINAL

FOURTH VIRP SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT G

Monthly Summary of Hours Invoiced

Environmental International Corporation

GPA VIRP

April 1, 2014 through September 30 2014

TASKS	Apr 14	May 14	Jun 14	July 14	Aug 14	Sep 14	TOTAL
Task 4.1 Prelim planning & preparation	0	0	0	0	0	0	0
Task 4.2 Supplemental VIRP tasks	201	139	109	2	56	11	518
Task 4.3 RSW area soil remediation	1	0	0	0	0	0	1
Task 4.4 Drainage swale remediation	0	0	0	0	22	0	22
Task 4.5 Groundwater remediation	232	137	242	202	183	540	1,536
Task 4.6 Meetings and site visits	19	39	28	15	8	20	129
Task 4.7 Health and Safety	0	73	35	0	0	0	108
Total Hours	**452**	**388**	**414**	**218**	**269**	**571**	**2,313**