Voluntary Remediation Program
Semiannual Progress Report
Former Olympic Manufacturing/ Diversey Site
HSI Site No. 10435

Prepared for

The Hillshire Brands Company
Rathon Corp.

June 2014

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Semiannual Progress Report
Former Olympic Manufacturing/Diversey Site

3051 Olympic Industrial Drive
Smyrna, Cobb County, Georgia 30080
HSI Site No. 10435

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The Hillshire Brands Company
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June 2014

Brown AND Caldwell
990 Hammond Drive, Suite 400
Atlanta, Georgia 30328

Table of Contents

List of Figures

List of Tables

Technical Certification

I certify that I am a qualified environmental professional who has received a baccalaureate or post-graduate degree in a natural science or engineering, and have sufficient training and experience in groundwater hydrology, engineering, and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.

Patricia C. Reifenberger

Patricia C. Reifenberger, P.E

6/23/14

(date)

Georgia Registration Number: 20676

Seal:

Section 1

Introduction

This Semiannual Progress Report for the Former Olympic Manufacturing/Diversey site (Site) was prepared by Brown and Caldwell (BC) on behalf of The Hillshire Brands Company (Hillshire, formerly Sara Lee Corporation) and Rathon Corp. (Rathon) for submittal to the Land Protection Branch of the Georgia Environmental Protection Division (EPD). The Site is enrolled in EPD's Voluntary Remediation Program (VRP) and is listed on EPD's Hazardous Site Inventory as site no. 10435. This report describes work performed related to the Site between January and June 2014.

1.1 Background

The Site was accepted into the VRP on May 17, 2010. The Site history, description, regulatory history, and previous environmental work are described in detail in the Compliance Status Report (CSR) and subsequent addenda submitted in compliance with requirements of the former Hazardous Site Response Act Program (now part of EPD's Response and Remediation Program). Since 2007, Hillshire and Rathon have submitted semiannual reports documenting the work performed during the reporting period and the results of investigative work, remedial measures, and semiannual sampling. Semiannual progress reports have continued to be submitted under the VRP.

1.2 Report Organization

This progress report presents the work conducted from January to June 2014, and as such addresses the comments presented in EPD's November 25, 2103 letter, provides the results of the installation of a new monitoring well east-northeast of the Site, documents the semiannual groundwater sampling performed in April 2014, describes steps taken to execute land use covenants with neighboring property owners, and details an effort to sample an existing well on the neighboring Olympic Associates LLC property and include that property as a Qualifying Property under the Site's VRP application.

The report is organized into six sections. The present section references the project background and provides an outline of the report. The work performed during this period is described in Section 2.0. Section 3.0 presents the results of the work conducted this period. The current compliance status of the Site and work planned for the near future is presented in Section 4.0. Engineers' services this period are summarized in Section 5.0. References used in preparing this report are provided in Section 6.0, and limitations associated with the use of the report are noted in Section 7.0.

Section 2

Work Performed this Period

Work at the Site since the last submittal to the EPD, which was the December 2013 Semiannual Progress Report, has consisted of:

- Addressing comments presented in EPD's November 25, 2103 letter
- Installation of a new monitoring well east-northeast of the Site
- Groundwater sampling in April 2014
- Communication with Airgas regarding their construction of a vault near well MW-6
- Efforts to execute land use covenants with neighboring property owners
- Communication with the owner of the neighboring Olympic Associates property regarding their participation as a Qualifying Property.

These activities are discussed in the following sections.

2.1 Response to Comments in EPD's November 25, 2014 Letter

EPD provided comments on Hillshire and Rathon's semiannual reports 2 through 6 in in a letter dated November 25, 2013. The comments addressed the Risk Reduction Standards (RRSs) for the Site; provided concurrence on items discussed in the September 19, 2013 meeting with EPD, Hillshire, Rathon, and BC; installation of an additional well to the east-northeast; impact on the Olympic Associates property southwest of the site, and discussed the groundwater modeling technical memorandum provided in the December 2013 report.

Hillshire and Rathon's response to these comments are provided in Appendix A. Tables 2-1 and 2-2 provide the final delineation and cleanup levels for the Site.

2.2 Installation of New Monitoring Well to the East-Northeast

In the September 19, 2013 meeting, the EPD requested that a new well be installed to define the eastern boundary of the groundwater plume. Following communication with the EPD regarding alternative locations for the well, the new well (MW-21) was installed east-northeast of the Site along South Atlanta Road in the road easement owned by Cobb County (Figure 2-1). Utility permit no. 1113-1287 was obtained from the Cobb County Department of Transportation for this well.

Monitoring well MW-21 was installed in accordance with Design and Installation of Monitoring Wells (USEPA 2013). The well is constructed as a single-cased monitoring well composed of 2-inch diameter Schedule 40 PVC riser and a 10-foot 010-inch slot PVC screen. The monitoring well was developed and finished at-grade with a steel manhole-style protective casing, and a 2-foot by 2-foot concrete pad. The well construction diagram is provided in Appendix B. The horizontal and vertical location of the monitoring well was surveyed by a licensed surveyor.

A groundwater sample was collected from this well in March 2014 and was analyzed at a certified laboratory for volatile organic compounds (VOCs) according to U.S. EPA Method 8260B, and equipment and trip blanks were also collected and analyzed for quality assurance/quality control (QA/QC) purposes. The groundwater sampling field data sheet is provided in Appendix C.

2.3 Semiannual Sampling

The semiannual groundwater monitoring was conducted April 14 to April 16, 2014 as described below. Figure 2-2 provides a Site plan for reference.

2.3.1 Well Gauging

The depth to groundwater in all 41 monitoring, delineation, and injection wells at and near the Site was measured to determine the potentiometric surface. The measurements were taken on April 14, 2014, using a 100-foot Heron Dipper-T water level meter, prior to any purging or other monitoring activities and the measured depths to water were recorded. The down-hole portion of the water level meter was decontaminated with Liquinox and rinsed with distilled water between wells.

2.3.2 Sample Collection

Groundwater samples were collected from 11 monitoring wells according to the protocol shown in Table 2-3, which reflects the updated monitoring protocol approved by the EPD on October 16, 2013. The wells sampled included both on-site (MW-2, MW-4a, MW-4b, MW-6, MW-8, and MW-11) and off-site wells (MW-12, MW-20, MW-21, OW-72, and OW-74A). As in many prior sampling events, monitoring wells MW-15 and MW-16 were dry.

The monitoring wells to be sampled were purged prior to sample collection using the procedures specified in the letters from the EPD dated April 17, 2007 and October 16, 2007 and were sampled in accordance with USEPA procedures (USEPA March 2013). The wells were purged and sampled using low flow/low stress and low flow/low volume (micro-purging) techniques to minimize entrainment of solid particles. A decontaminated low-flow pump (SS-Geosub 12-Volt DC Stainless Steel low-flow sampling pump made by Geotech Environmental Equipment, Inc.), and/or a bladder pump (Sample Pro Portable Pump made by QED Environmental Systems) were used to purge and sample all wells. Both pumps used are low flow, stainless steel, 2 inch submersible pumps. The pump was placed midway in the screened interval during purging and sampling, and new polyethylene tubing was used at each well as approved by the EPD in their October 23, 2008 letter. Detailed information regarding the type of equipment and technique used to purge and sample each well is provided on the Groundwater Sampling Field Data Sheets that are provided in Appendix C.

In keeping with Hillshire's and Rathon's agreement with the EPD reached during a meeting on August 16, 2007, the wells were purged prior to sampling until the turbidity was less than 10 NTU, or as close to that as could be achieved within a reasonable time. If the turbidity remained above 10 NTU, purging was considered complete after three to five well volumes had been removed. The pH, temperature, specific conductivity, oxidation-reduction ("redox") potential, dissolved oxygen, and turbidity of all samples were measured in each well approximately every 5 minutes while purging, and the results were recorded on the data sheets in Appendix C. This timing allowed an adequate volume of water to be purged between measurements to assess field parameter trends. Water level measurements were also recorded approximately every 5 minutes to ensure minimal drawdown. An effort was made to ensure that the rate of groundwater withdrawal did not exceed the rate of recharge in the wells. Wells that went dry during purging due to low initial water levels were allowed to recharge prior to sample collection. Current and historical purging data are summarized in Appendix D. The groundwater samples were collected directly from the pump discharge into laboratory-prepared sample bottles, sealed, placed on ice, and delivered to a certified laboratory for analysis.

Quality assurance/quality control (QA/QC) samples were also collected as follows:

- One equipment blank for each full day of sampling (two total)
- One trip blank for each day samples were submitted to the laboratory (four samples)
- One duplicate sample (from monitoring well MW-8).

2.3.3 Sample Analysis

The samples were hand delivered to Analytical Environmental Services, Inc. laboratory in Atlanta, Georgia for analysis. Copies of the completed chain-of-custody forms are included in Appendix E with the laboratory reports. A letter stipulating that this laboratory is approved per the Georgia Rules for Commercial Environmental Laboratories is provided in Appendix F.

The samples were analyzed for the parameters shown in Table 2-3 as outlined below:

- VOCs (USEPA Method 8260B) -- All monitoring well, equipment blank, duplicate, and trip blank samples
- Geochemical parameters (total organic carbon, nitrate, sulfate, ferrous iron, and methane using methods shown on the laboratory reports) – Wells MW-4a, MW-8, MW-12 and MW-6
- Total Manganese (USEPA Method 6010C) – Wells MW-8 (located in the vicinity of the previous ISCO injections).

2.3.4 Data Validation

Data validation was performed on the analytical results to verify that the data generated by the laboratory are of acceptable quality to allow appropriate decisions to be made. Data validation included a quality control review of the field and laboratory-generated data following USEPA guidelines (USEPA 2008) in order to answer questions such as:

- Were field procedures, including sample collection, handling and storage properly followed?
- Do the reported data include all requested analytical results for all samples collected?
- Were the correct analytical methods used and reported?
- Are there any anomalous results?
- Were results for QA/QC samples acceptable?

Validation included a review of field notes, sample holding times, blank contamination, spike recoveries, and duplicate precision. Following this review, data was qualified appropriately in the tables if problems were found. Copies of the data validation forms are included in Appendix D with each laboratory report.

2.4 Communication with Airgas Regarding Construction of Vault Near Well MW-6

During the April 2014 groundwater sampling event a new structure was observed at the south end of the property immediately adjacent to monitoring well MW-6 (Figure 2-3). The new structure is an in-ground concrete box approximately 8 feet long by 4 feet wide and 5 feet deep. According to the property owner Airgas Refrigerants, Inc. (Airgas), the box surrounds a back-flow prevention valve that was installed on the water line to the building due to a code requirement for the building fire protection system.

The construction was observed to have resulted in the removal of the asphalt around the well and it appears that the backfill material was not compacted, as the soil backfill around the vault was observed to have slumped in several areas as shown on the photograph included as Figure 2-4. One of the resulting holes is located immediately adjacent to monitoring well MW-6. No visual impact to monitoring well MW-6 was observed.

Based on the changes in relative water levels in monitoring well MW-6 and the nearby monitoring wells MW-9a and M-9b that are discussed in Section 3, it appears that the loosened soil, change in surface water drainage, and resulting increased infiltration artificially raised the groundwater level around monitoring well MW-6.

Thus, Hillshire and Rathon will contact Airgas again regarding the issue to indicate Airgas has inappropriately affected groundwater monitoring efforts and to require the situation be corrected by Airgas.

2.5 Environmental Covenants

As previously discussed, Hillshire and Rathon are pursuing environmental covenants with the adjacent property owner to the northeast (Wesley Properties) and with Cobb County for county-owned parcels between the Site and Elizabeth Lane (Figure 2-1). Letters were sent to Mr. Wesley and the Cobb County attorney requesting that they enroll their parcels as Qualifying Properties under the Site's VRP application, and that they execute environmental covenants that prohibit the use of the groundwater on the properties.

No response has been received from either party; however, Hillshire and Rathon will diligently follow-up with Mr. Wesley and Cobb County in an effort to obtain their cooperation. If either party refuses or continues to not respond, we will notify the EPD.

2.6 Communication with Olympic Associates

In the September meeting and November letter, the EPD stated that they believe that the subject Site is the likely source of impact in the wells on the Olympic Associates (OA) property located south of the Site (Figure 2-1). Since the impact in monitoring wells MW-9a and MW-9b was identified, Hillshire and Rathon have consistently observed that the OA property is upgradient of the Site and thus concluded that the impact on that property did not originate on the subject Site. In the September meeting EPD suggested that since OA has not responded to multiple requests by Hillshire and Rathon to allow sampling on their property, an alternative to using additional investigative work to differentiate impact on the two properties would be for Hillshire and Rathon to bring the OA property into the Former Olympic Manufacturing VRP Site as a qualifying property.

Hillshire and Rathon contacted the attorney who has been serving as OA attorney to present the above approach. Initial conversation was by telephone, and these discussions were confirmed in a letter to OA's attorney on April 25, 2014. The letter requested that OA agree to 1) enroll the OA property as a qualifying property respecting the Former Olympic Manufacturing Site's existing VRP application; 2) allow sampling of the southernmost well on their property to serve as a delineation well, and 3) agree to execute and record an environmental covenant that would prohibit the use of groundwater on the OA property.

To date OA has not responded. Hillshire and Rathon will follow-up directly with OA. We will notify EPD if there is again no positive response from OA. If the situation continues, we will not be able to access the OA property.

Section 3

Results

This section presents and discusses the results of the work conducted between January and June 2014 described in Section 2. The groundwater level measurements, field water quality data, and laboratory chemical concentration data from the installation of monitoring well MW-21 and the results of the semiannual groundwater sampling event are discussed below.

3.1 Groundwater Elevation Data

The measured depths to water and the surveyed elevations of the monitoring wells were used to calculate the groundwater elevations. Current and historical groundwater level and elevation data are presented in Tables 3-1a and Table 3-1b, respectively. Ground surface and top of casing elevations are shown on Figure 3-1. Potentiometric maps of the shallow and bedrock aquifer groundwater surface as measured in April 2014 are presented on Figures 3-2 and 3-3, respectively.

Groundwater elevations in the wells screened in the shallow aquifer in April 2014 were generally higher than levels measured in October 2013 (Table 3-1). Higher water levels are typically observed at this Site in the spring, particularly in the shallow wells. In this case, the water levels rose an average of 2.4 feet between the October 2013 and April 2014 events, and were also an average of 4.9 feet higher than in April 2013. Water levels were also higher in the upper bedrock wells in this event, an average of 1.95 feet higher than in October 2013.

Consistent with past events, the April 2014 water level data indicate that the overall potentiometric surface in the shallow and upper bedrock aquifers generally slopes from southwest to northeast (Figures 3-2 and 3-3). A local anomaly was observed around monitoring well MW-6, however, as water levels in this well were abnormally high. The soil disturbance associated with the installation of the concrete valve vault adjacent to this well (discussed in Section 2.4) appears to have changed the surface drainage in the area such that increased infiltration is now occurring near this well. The water level in MW-6 rose 3.6 feet between October 2013 and April 2014. Other than the three events when a water line break was known to have occurred in the public way along Olympic Industrial Court, water levels in MW-6 have always been lower than those in MW-9a to the south; however, in this event the water level in monitoring well MW-6 was 0.67 ft higher than in monitoring well MW-9a.

3.2 Groundwater Chemical Concentration Data

The analytical results for the groundwater samples collected in October 2013 are summarized in Table 3-2. Current and historical concentrations are presented in Table 3-3, and Table 3-4 presents geochemical data. The tables include the date the sample was collected, the reported concentration, the method detection limit where a specific constituent was not detected, and applicable delineation and cleanup standards. Figures 3-4 through 3-6 show all the recent detections graphically, and Figures 3-7 through 3-9 show only the detections that exceed the VRP cleanup level. The results of the analyses are discussed below. The field data sheets from the groundwater sampling are provided in Appendix C and the current and historical purging data are tabulated in Appendix D. Copies of the analytical reports are provided in Appendix E. The laboratory stipulation letter is provided in Appendix F.

3.2.1 Organic Compounds

Observations regarding the organic compounds detected in October 2013 are noted below.

- Concentrations at the Site are generally similar to those in previous monitoring events with a few exceptions noted in this section.
- In the groundwater in the north parking lot:
  - Total VOC concentrations of parameters exceeding their respective detection limits in the sample from well MW-4a were lower in April 2014 than in October 2013 (6,859 microgram per liter [µg/L] versus (vs.) 8,110 µg/L, respectively).
  - Total VOC concentrations of parameters exceeding their respective detection limits in the April 2014 sample from monitoring well MW-8 (4,774 µg/L) were higher than in October 2013 (2,509 µg/L).
  - As in October 2013, no VOCs were detected in the vertical delineation well MW-4b in April 2014.
  - The relative concentrations of specific compounds (tetrachloroethene [PCE], trichloroethene [TCE], cis-1,2-DCE, and vinyl chloride [VC]) in the north parking lot area are similar to the previous event. cis-1,2-DCE was the parameter detected in highest concentration.
- Downgradient of the north parking lot in monitoring MW-12, all concentrations measured were below the VRP cleanup level. Isopropylbenzene exceeded the delineation level; however, the concentration measured was similar to that in October 2013 and slightly lower than in previous events. The concentration of cis-1,2-DCE continued to show a decreasing trend, with an April 2014 concentration of 21 µg/L, down from 49 µg/L in October 2013.
- In the sample from monitoring well OW-72 further downgradient, concentrations of cis-1,2-DCE, PCE, TCE, exceeded a cleanup level; however, all VOCs are in compliance with the cleanup levels further downgradient in the sample from OW-74A. Concentrations in both wells were similar to the previous event.
- No VOCs were detected in the sample from the most downgradient well, MW-20 or in the sample from the new well to the east, MW-21.

Elsewhere on the Site, two wells are not in compliance with the VRP delineation or cleanup levels. Specific observations are noted below:

- In the sample from monitoring well MW-2, TCE slightly exceeded the cleanup level (44 µg/L vs. 35 µg/L) and two chemicals exceeded the delineation levels (20 µg/L vs. 7 µg/L for 1,1-dichloroethene, and 200 µg/L vs. 70 µg/L for cis-1,2-DCE). VOC concentrations in this well have fluctuated around the delineation levels in past monitoring events.
- In the sample from monitoring well MW-11, PCE slightly exceeded the VRP delineation and cleanup level (5.6 µg/L vs. 5.0 µg/L). Additionally, chemicals detected at MW-11 may be associated with rail activities rather than on-site activities as well MW-11 is located along the former rail line. All other VOCs detected were below the VRP delineation and cleanup levels.
- No chemicals were measured above a VRP delineation or cleanup level in the sample from monitoring well MW-6 at the south end of the property.

As shown on Figures 3-7 through 3-9, groundwater concentrations meet the VRP cleanup levels in all wells except those along the eastern side of the Site (monitoring wells MW-4a, MW-8, OW-72, MW-2, and MW-11).

3.2.2 Chloroform

Chloroform was not detected in any monitoring wells at the Site in this event.

3.2.3 Manganese

The manganese concentration in the sample from monitoring well MW-8 remained elevated in this event (11,600 µg/L) as a result of the previous sodium permanganate injection for groundwater VOC remediation. As manganese is not a Site constituent of concern (COC) and is not regulated under HSRA, remediation of this constituent is not planned.

3.2.4 Geochemical Parameters

Recent and historical geochemical data are shown in Table 3-4. In general, geochemical conditions are conducive to reductive dechlorination of VOCs; however, low organic carbon could limit microbial activity. Notable observations are discussed below:

- The oxidation-reduction potential (ORP) in samples from wells MW-4a and MW-12 continue to be indicative of reducing conditions (-142.4 and -136.1 millivolts [mv], respectively), which are conducive to reductive dechlorination of chlorinated VOCs. In contrast, the ORP in samples from wells MW-6 and MW-8 continues to trend positive/non-reducing) (56.5 and 58.8 mv, respectively). Therefore, natural reductive dechlorination activity would be more likely to occur in MW-4a and MW-12 and less likely to occur in MW-6 and MW-8.
- Dissolved oxygen levels in samples from wells MW-4a, MW-6, MW-8, and MW-12 remain at low levels (less than 1 mg/L), which are indicative of anaerobic conditions typically associated with reductive dechlorination.
- Methane and sulfate continue to be observed in samples from wells MW-4a, MW-6, MW-8, and MW-12, which is indicative of anaerobic conditions.
- Nitrate was not detected in any of the wells where samples were analyzed for this parameter (monitoring wells MW-4a, MW-6, MW-8, and MW-12), which could indicate that nitrate is being consumed by microorganisms responsible for anaerobic degradation processes. However, historical data show that nitrate levels have always been below the detection limit.
- Ferrous iron (Fe^{2+}) was detected in samples from wells MW-4a, MW-6, and MW-12 at low concentrations of 1.28 mg/L, 2.05 mg/L, and 4.6 mg/L, respectively. Ferrous iron continues to not be detected in samples from wells MW-8. These levels indicate minimal reduction of ferric iron to ferrous iron and therefore, iron reducing activity does not appear to be significant.
- Total organic carbon has remained largely unchanged and at relatively low levels in all monitoring wells (MW-4a, MW-6, MW-8, and MW-12). Organic carbon is needed to help drive and sustain microbial activity, and thus lack of sufficient carbon could limit anaerobic biological activity.

3.2.5 Quality Assurance/Quality Control Samples

No chemicals were detected in any of the four trip blanks or three equipment blanks. The analytical results for the duplicate sample were similar to those from the original sample.

Thus, the QA/QC samples did not indicate impact to the Site results from field or laboratory methods.

Section 4

Status and Future Work

Hillshire and Rathon are on track to meet the milestones required by the EPD in their May 17, 2010 letter approving the application to the VRP for the Site. Specifically:

- Horizontal groundwater delineation on-site and off-site
- Vertical groundwater delineation
- Remediation, where necessary.

Compliance with delineation and cleanup standards was assessed based on the cleanup and delineation levels presented in Tables 2-1 and 2-2. The current status of the Site relative to VRP delineation and cleanup criteria, near-term steps toward meeting project goals, and the project schedule are discussed below.

4.1 Delineation Status

Delineation of COCs in soil has already been achieved and discussed in previous reports. COC delineation in groundwater is discussed below.

4.1.1 On-site Horizontal Delineation

On-site horizontal groundwater delineation has already been completed.

4.1.2 Off-site Horizontal Delineation

Off-site horizontal delineation to the northeast and east-northeast have been completed with the installation of monitoring wells MW-20 and MW-21, respectively.

No Site COCs were detected in the monitoring well on-site at the southern end of the Former Olympic Manufacturing property (MW-6) and the off-site wells further to the south (MW-9a and MW-9b) are located hydrogeologically upgradient of the Site. Thus, no additional delineation to the south is warranted. Nevertheless, Hillshire and Rathon have taken EPD's suggestions on the OA property issues under advisement and have contacted OA; however, no response has been received.

4.1.3 Vertical Delineation

Vertical delineation has been completed. No VOCs were detected in the groundwater sample from the deepest well at the Site (monitoring well MW-4b).

4.2 Status Relative to Cleanup Levels

Soil at the Site is in compliance with the soil cleanup levels, and no additional soil sampling or remediation is planned.

The status of the Site groundwater relative to the VRP cleanup levels is presented in Table 3-2, where the orange cells indicate concentrations above the VRP cleanup levels. Figures 3-7 through 3-9 illustrate where the VOC cleanup levels are met (everywhere except where noted). The status is summarized below.

To the Northeast. Concentrations in the wells in and downgradient of the former source area (wells MW-4a, MW-8, and OW-72) currently exceed the VRP cleanup levels for three chemicals. Further downgradient in monitoring wells MW-12, OW-74A, MW-20, and MW-21, all COCs are in compliance with the cleanup levels.

Where concentrations in monitoring wells do not meet the numeric groundwater cleanup levels, groundwater modeling and institutional controls will be used to demonstrate compliance with the VRP cleanup requirements. EPD's November 25, 2013 comments on the Site numerical groundwater model, which are addressed in Appendix A, do not change the conclusion from the modeling that the downgradient plume concentrations will remain stable or contract both in mass and extent and will not reach the point of exposure (POE).

Environmental covenants prohibiting future water well installation or withdrawal will also be used to prevent exposure to Site contaminants in areas where the cleanup levels are exceeded. Based on current groundwater concentrations, an environmental covenant is expected to be required on the following properties (identified on Figure 4-1):

- The subject property that is now owned by Airgas
- The adjoining property to the east and northeast owned by Wesley Properties
- The parcels owned by Cobb County along South Atlanta Road and Elizabeth Lane.

The environmental covenant was contemplated in negotiating the access agreement Hillshire and Rathon executed with Airgas. As noted in Section 2, Hillshire and Rathon have contacted Wesley and Cobb County and requested their cooperation in implementing the environmental covenants and enrolling their properties in the VRP as "Qualifying Properties" under the Site's application. No response to these letters has been received; however, Hillshire and Rathon will attempt further contact. If further efforts prove futile, we will notify EPD.

To the East. Concentrations in samples from the wells along the east side of the Site are just above the VRP cleanup levels. Concentration of TCE slightly exceeded the cleanup level in well MW-2 (44 µg/L compared to 35 µg/L) and was below the cleanup level in the previous two events. The concentration of PCE in the sample from well MW-11 in this event only slightly exceeded the cleanup level (5.6 µg/L compared to 5.0 µg/L) and was below the level in six of the last seven events. Thus, concentrations in these wells are expected to decline and no remediation is planned in these areas.

To the South, West, and North. No COCs were detected in the sample from monitoring well MW-6 at the south end of the property in this event and concentrations in samples from wells along the west and north sides of the Site were shown to be below the VRP cleanup criteria in previous sampling events. Thus, no remediation is necessary in these areas.

4.3 Planned Near-Term Actions

Tasks to comply with the VRP delineation and cleanup requirements are outlined above, and specific actions to meet these objectives are summarized below:

- Pursue the environmental covenants with Airgas, Wesley, OA, and Cobb County for the properties identified in Section 4.2.
- If efforts to gain cooperation from any property owner prove futile we will notify EPD. If a practical alternative appears feasible, we will make recommendations accordingly.

4.4 Schedule

A milestone schedule to complete this project is presented below. This schedule is based on the expectation that compliance with the VRP cleanup levels can be demonstrated with the modeling and institutional controls described herein. In addition to the activities outlined below, semiannual progress reports will also

be submitted by June 30 and December 31 of each year until submittal of the final Compliance Status Report.

Estimated Schedule	
Action	**Expected Date**
On-site Horizontal Delineation	Completed
Vertical Delineation	Completed
Submittal of Remediation Plan and Cost Estimate	Completed
Pursue Environmental Covenants with Airgas, Wesley, and Cobb County	Early-mid 2014
Finalize Environmental Covenants	Mid-Late 2014
Semiannual Sampling	April, October 2014
Submittal of Final Compliance Status Report	May 2015

Section 5

Engineer's Services this Period

This section presents a summary of the Engineer's (BC's) work on this project since the last submittal to the EPD. Table 5-1 summarizes the hours charged and the services BC provided between December 12, 2013 and June 12, 2014.

Section 6

References

U.S. Environmental Protection Agency (USEPA), Science and Ecosystem Support Division (SESD); Athens, Georgia. *Groundwater Sampling Operating Procedure*. SESDPROC-301-R3. March 6, 2013.

USEPA, SESD; Athens, Georgia. *Design and Installation of Monitoring Wells*. SESDGUID-101-R1. January 29, 2013.

USEPA, 2008. *National Functional Guidelines for Superfund Organic Methods Data Review*. USEPA Contract Laboratory Program. Office of Superfund Remediation and Technology Innovation (OSRTI). USEPA-540-R-08-01.

Section 7

Limitations

This document was prepared solely for The Hillshire Brands Company and Rathon Corp. in accordance with professional standards at the time the services were performed and in accordance with the contract between Sara Lee Corporation and BC dated April 26, 2002 and subsequent amendments. This document is governed by the specific scope of work authorized by Hillshire and Rathon; it is not intended to be relied upon by any other party except for regulatory authorities contemplated by the scope of work. Except for data and engineering prepared by BC, we have relied on information provided by Hillshire, Rathon, and other sources and, unless otherwise expressly indicated, have made no independent confirmation of the validity, completeness, or accuracy of such information.

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LEGEND

- Existing Monitoring Wells
- New Delineation Well Location

17096200150 Number provided is the Cobb County Tax Parcel Identification Number (PIN)

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	06/20/2014
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	PCR
PROJECT #:	141054

Figure 2-1

New Delineation Well Location

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

CSX
RAILROAD
RIGHT OF WAY

17096200070

17096200150

17096200110

17096200130

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

MW-11

MW-2

CONCRETE WALL

MW-C

MW-B

MW-A

MW-12

RAILROAD

MW-D

MW-6

MW-9a

MW-9b

MW-8

MW-4b

MW-4a

ASPHALT

EXISTING ONE STORY WAREHOUSE

OLYMPIC INDUSTRIAL COURT

IW-4

IW-1

IW-6

IW-5

IW-2

IW-3

IW-9

IW-7

IW-10

IW-8

MW-1

MW-1R

17096200140

MW-3R

MW-19

MW-5

MW-10

MW-15

MW-13b

MW-13aR

ASPHALT
DRIVEWAY

LANDSCAPE AREA

ASPHALT

17096200220

MW-18

SIDEWALK

MW-7

MW-7R

CONCRETE
APRON

17096100070

17089900050

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

OLYMPIC INDUSTRIAL DRIVE

MW-16

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

MW-14

MW-14b

MW-17

17096100090

SCALE IN FEET

0 30 60 120

LEGEND

- PROPERTY LINE
- CHAIN LINK FENCE
- COBB COUNTY TAX PARCEL BOUNDARIES
- 17096200150 — COBB COUNTY TAX PARCEL IDENTIFICATION NUMBER
- SURFICIAL AQUIFER MONITORING WELL
- BEDROCK AQUIFER MONITORING WELL
- INJECTION WELL

NOTES:

1. ALL FEATURES SHOWN ARE BASED ON SITE SURVEYS PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND FEBRUARY 2008. BROWN AND CALDWELL HAS NOT INDEPENDENTLY VERIFIED THE SURVEY INFORMATION.
2. COBB COUNTY TAX PARCELS ARE COMPILED FOR TAX PURPOSE ONLY: DEEDS AND PLATS WERE USED WHERE AVAILABLE. NOT TO BE USED FOR TITLE PURPOSE

Jun 20, 2014 - 10:28am bsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 2-1 - Site Plan.dwg

Brown AND Caldwell

Figure 2-2

Site Plan

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

R:\Projects\Sara_Lee\Mapdocs\Fig 2-3 and 2-4.mxd

Figure 2-3 - New Valve Vault Near Monitoring Well MW-6

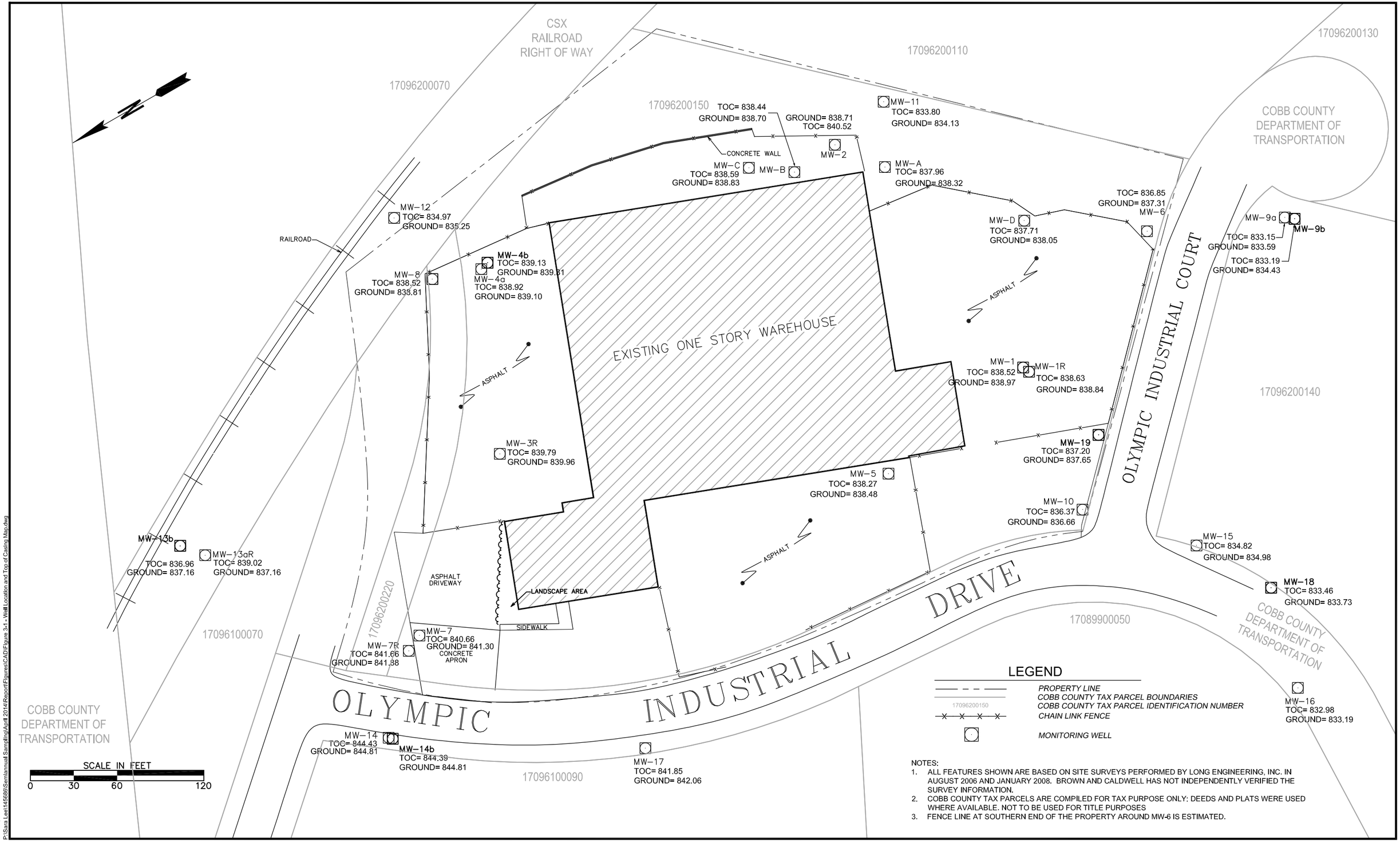
Figure 2-4 - Erosion Around New Valve Vault

Brown AND Caldwell

PREPARED FOR:	Former Olympic Manufacturing Site
DATE:	06/20/2014
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	XXX
PROJECT #:	145686

Figures 2-3 and 2-4

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



NOTES:
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3. FENCE LINE AT SOUTHERN END OF THE PROPERTY AROUND MW-6 IS ESTIMATED.

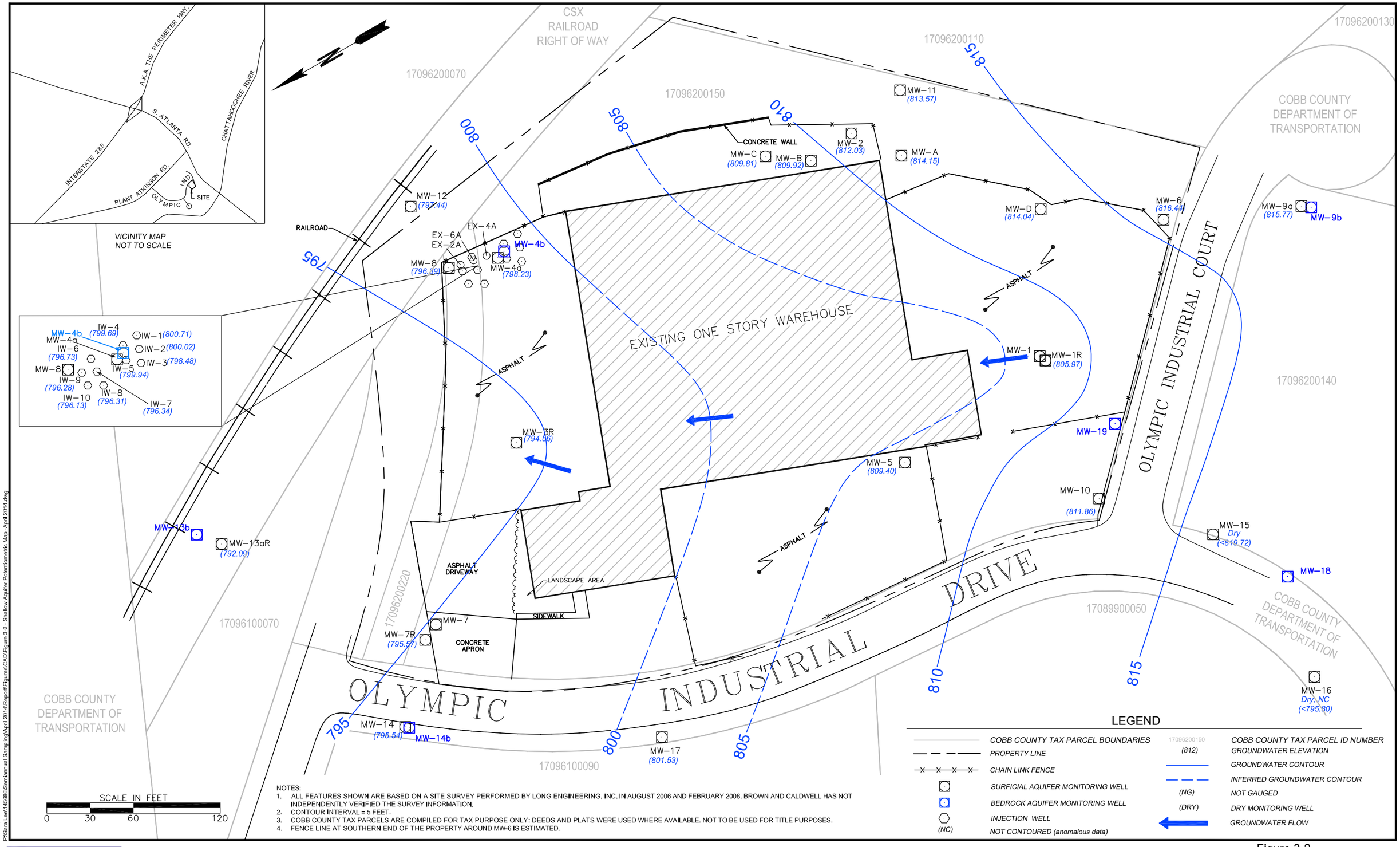
Figures 2-3 and 2-4 Valve Vault Photos.jpg
Figures\CAD\Figure 3-1 - Well Location and Top of Casing Map.dwg
P:\Sara Lee\145688\Semiannual Sampling\April 2014\Report\Figures\
Jun 20, 2014 - 10:57am bstelle

Brown AND Caldwell

Figure 3-1

Well Location and Top of Casing Elevation Map

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

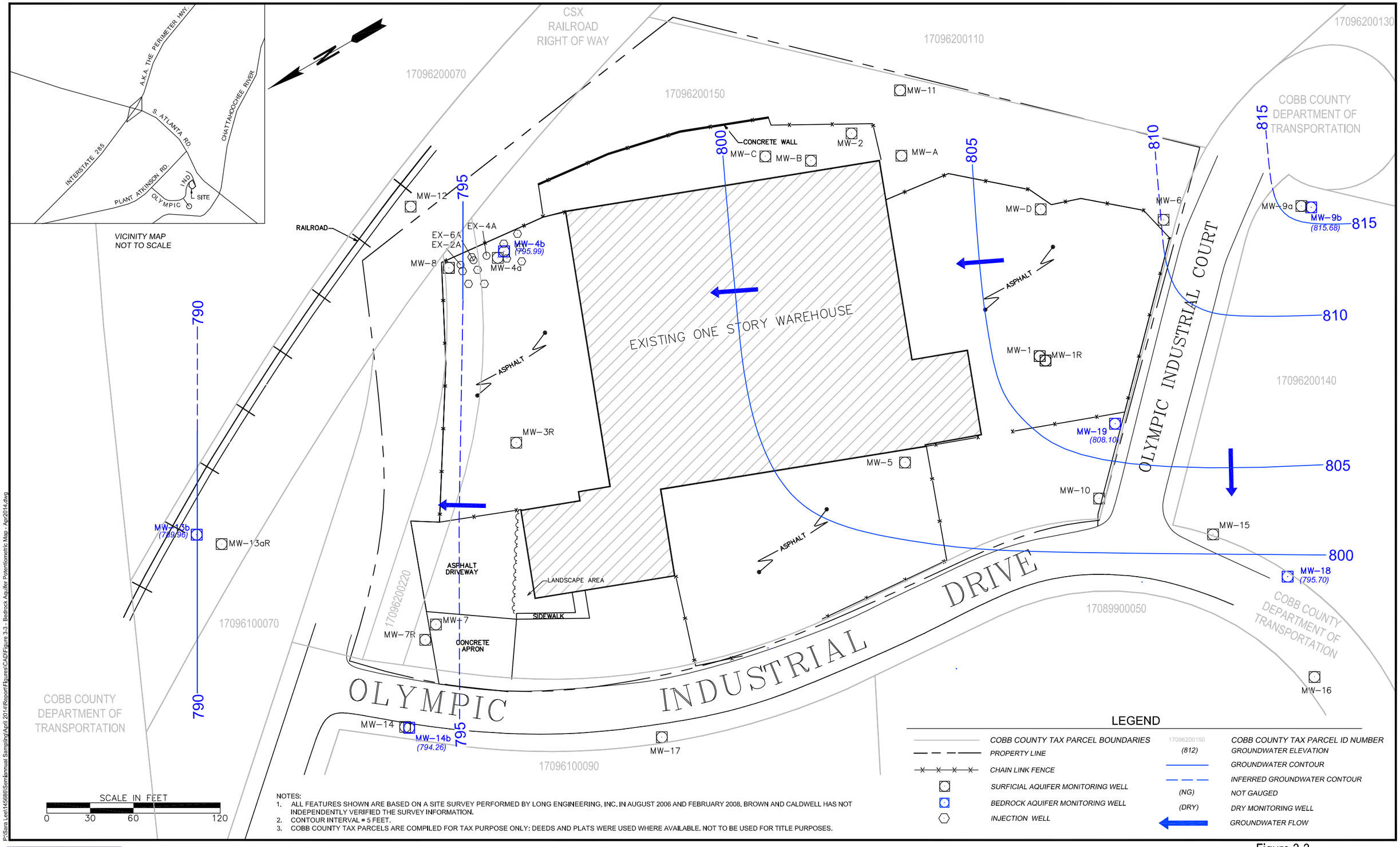


NOTES:
1. ALL FEATURES SHOWN ARE BASED ON A SITE SURVEY PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND FEBRUARY 2008. BROWN AND CALDWELL HAS NOT INDEPENDENTLY VERIFIED THE SURVEY INFORMATION.
2. CONTOUR INTERVAL = 5 FEET.
3. COBB COUNTY TAX PARCELS ARE COMPILED FOR TAX PURPOSE ONLY: DEEDS AND PLATS WERE USED WHERE AVAILABLE. NOT TO BE USED FOR TITLE PURPOSES.
4. FENCE LINE AT SOUTHERN END OF THE PROPERTY AROUND MW-6 IS ESTIMATED.

Figures 2-3 and 2-4 Valve Vault Photos.jpg
Jun 20, 2014 - 9:42am bsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-2 - Shallow Aquifer Potentiometric Map - April 2014.dwg

Brown AND Caldwell

Figure 3-2
Shallow Aquifer Potentiometric Map
April 14, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



NOTES:
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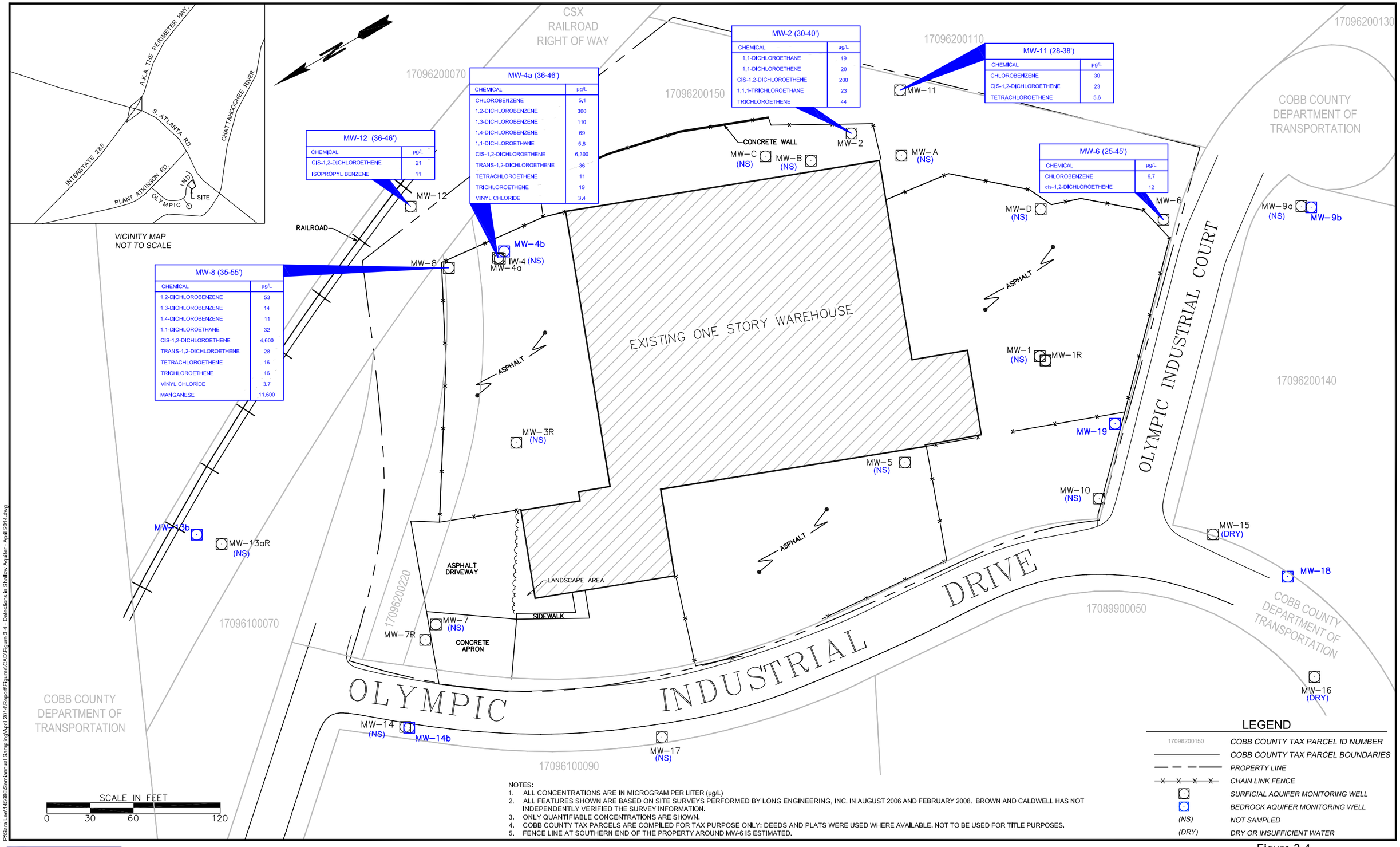
Jun 20, 2014 - 10:58am lsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-3 - Bedrock Aquifer Potentiometric Map - Apr2014.dwg

Brown AND Caldwell

Figure 3-3
Bedrock Aquifer Potentiometric Map
April 14, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



NOTES:
1. ALL CONCENTRATIONS ARE IN MICROGRAM PER LITER (µg/L)
2. ALL FEATURES SHOWN ARE BASED ON SITE SURVEYS PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND FEBRUARY 2008. BROWN AND CALDWELL HAS NOT INDEPENDENTLY VERIFIED THE SURVEY INFORMATION.
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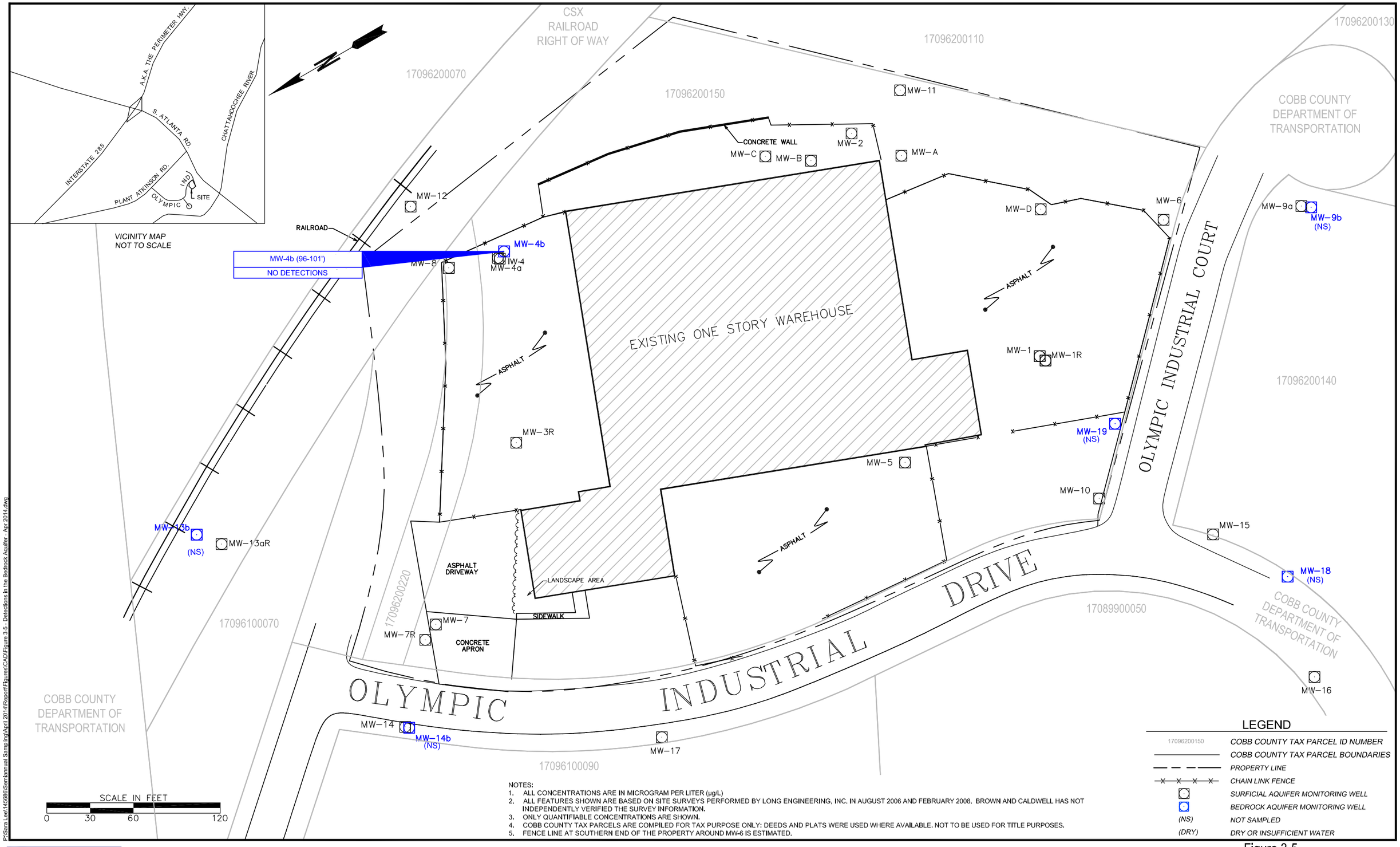
5. FENCE LINE AT SOUTHERN END OF THE PROPERTY AROUND MW-6 IS ESTIMATED.

Jun 20, 2014 - 11:09am lsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-4 - Detections in Shallow Aquifer - April 2014.dwg

Brown AND Caldwell

Figure 3-4
Groundwater Detections in Shallow Aquifer
April 14, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



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Jun 20, 2014 - 10:12am tsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-5 - Detections In the Bedrock Aquifer - Apr 2014.dwg

Brown AND Caldwell

Figure 3-5
Groundwater Detections in the Bedrock Aquifer
April 14, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

B-58

ELIZABETH LANE
CONSTRUCTION SHAFT

B-37

SOUTH ATLANTA ROAD

OW-73B
OW-73A

17096100120

COBB COUNTY
DEPARTMENT OF TRANSPORTATION

OW-74A
OW-74B

OW-74A (42-81')	
CHEMICAL	µg/L
cis-1,2-DICHLOROETHENE	160
TRICHLOROETHENE	14

MW-20

MW-20 (33-43')
NONE DETECTED

CHATTAHOOCHEE
RIVER

0 100 200
APPROXIMATE SCALE IN FEET

COBB COUNTY
DEPARTMENT OF TRANSPORTATION

17096100070

MW-13b
MW-13aR

OW-72

OW-72 (107-135')	
CHEMICAL	µg/L
1,2-DICHLOROBENZENE	19
1,1-DICHLOROETHANE	15
CIS-1,2-DICHLOROETHENE	1,700
TRANS-1,2-DICHLOROETHENE	11
TETRACHLOROETHENE	15
TRICHLOROETHENE	46

COBB COUNTY CHATTAHOOCHEE
TUNNEL

MW-7R

17096200070

17096200220

17096100090

MW-3R

MW-8

MW-12

MW-4a
MW-4b

MW-21

MW-12 (36-46')	
CHEMICAL	µg/L
CIS-1,2-DICHLOROETHENE	21
ISOPROPYL BENZENE	11

MW-21 (47-57')
NONE DETECTED

OW-77B
OW-77A

B-59

B-68

PUMP STATION
CONSTRUCTION SHAFT

OLYMPIC INDUSTRIAL DRIVE

17089900050

17096200150

MW-C
MW-B
MW-2
MW-A
MW-11
MW-10
MW-1R
MW-19
MW-D
MW-16
MW-15
MW-18
MW-6

OLYMPIC INDUSTRIAL COURT

CSX
RAILROAD
RIGHT OF
WAY

MW-9a
MW-9b

17096200140

17096200110

17096200130

NOTES:
1. INCLUSION OF SAMPLING RESULTS FOR ELIZABETH LANE IS WITHOUT PREJUDICE TO SARA LEE'S OBJECTIONS TO INCLUSION OF THE COBB COUNTY TUNNEL SITE IN THE FORMER OLYMPIC MANUFACTURING SITE REVIEW, AND ITS FULL RESERVATION OF RIGHTS WITH RESPECT TO THAT INCLUSION.
2. MONITORING WELL OW-74B HAS BEEN PAVED OVER AND CANNOT BE SAMPLED.
3. COBB COUNTY TAX PARCELS ARE COMPILED FOR TAX PURPOSE ONLY; DEEDS AND PLATS WERE USED WHERE AVAILABLE. NOT TO BE USED FOR TITLE PURPOSES.

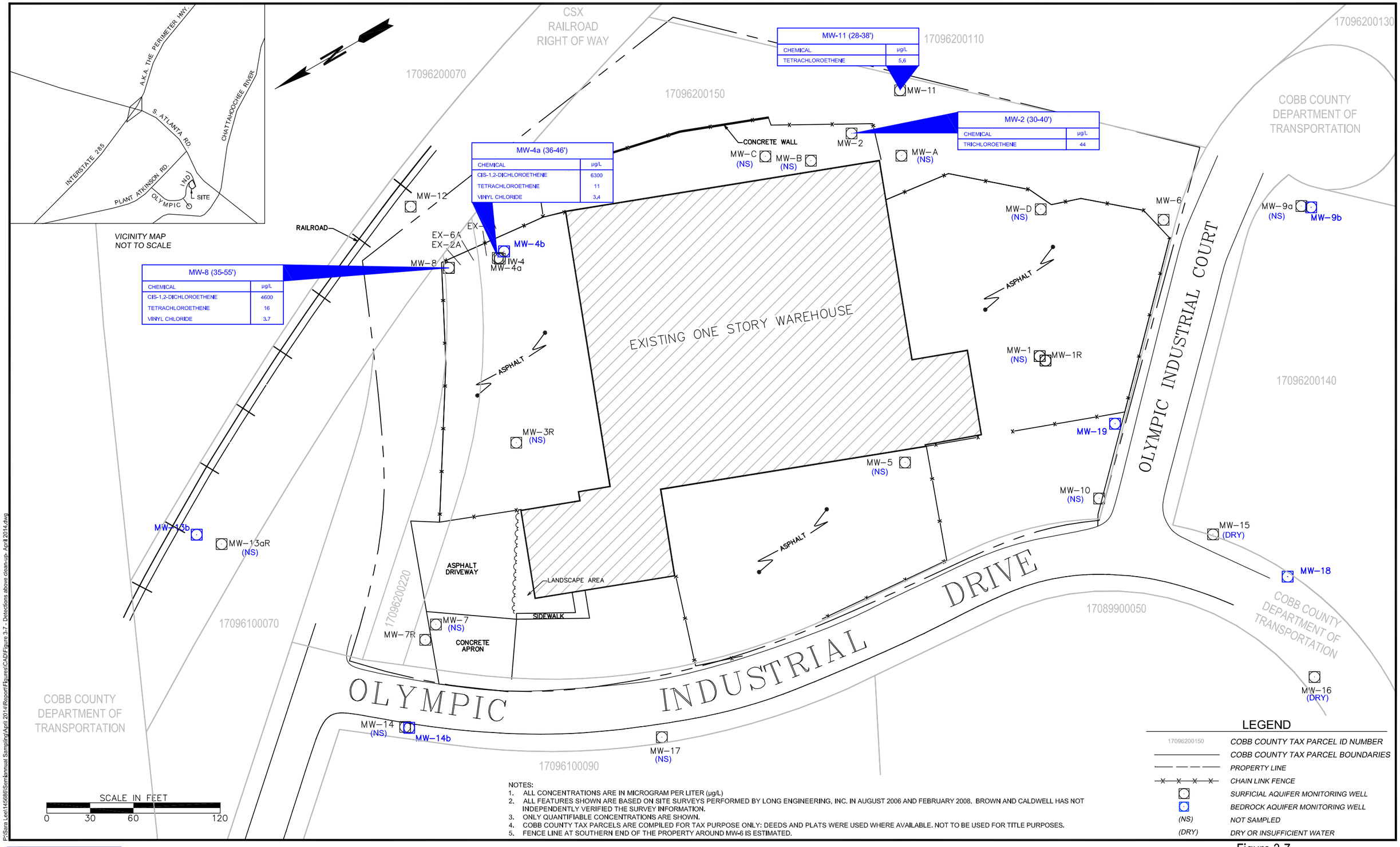
LEGEND
- CCWS Soil Boring
- CCWS Abandoned Monitoring Well Location
- CCWS Monitoring Well Location
- Olympic Monitoring Well
- Cobb County Tax Parcel Boundary
- 17096200150 Cobb County Tax Parcel ID Number
- (NS) Not Sampled

(Modified from JJ&G Report dated December 1999)

Jun 20, 2014 - 10:19am bsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-6 - Detections in the CCWS Wells - Apr 2014.dwg

Brown AND Caldwell

Figure 3-6
Groundwater Detections in CCWS Wells
April 14, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



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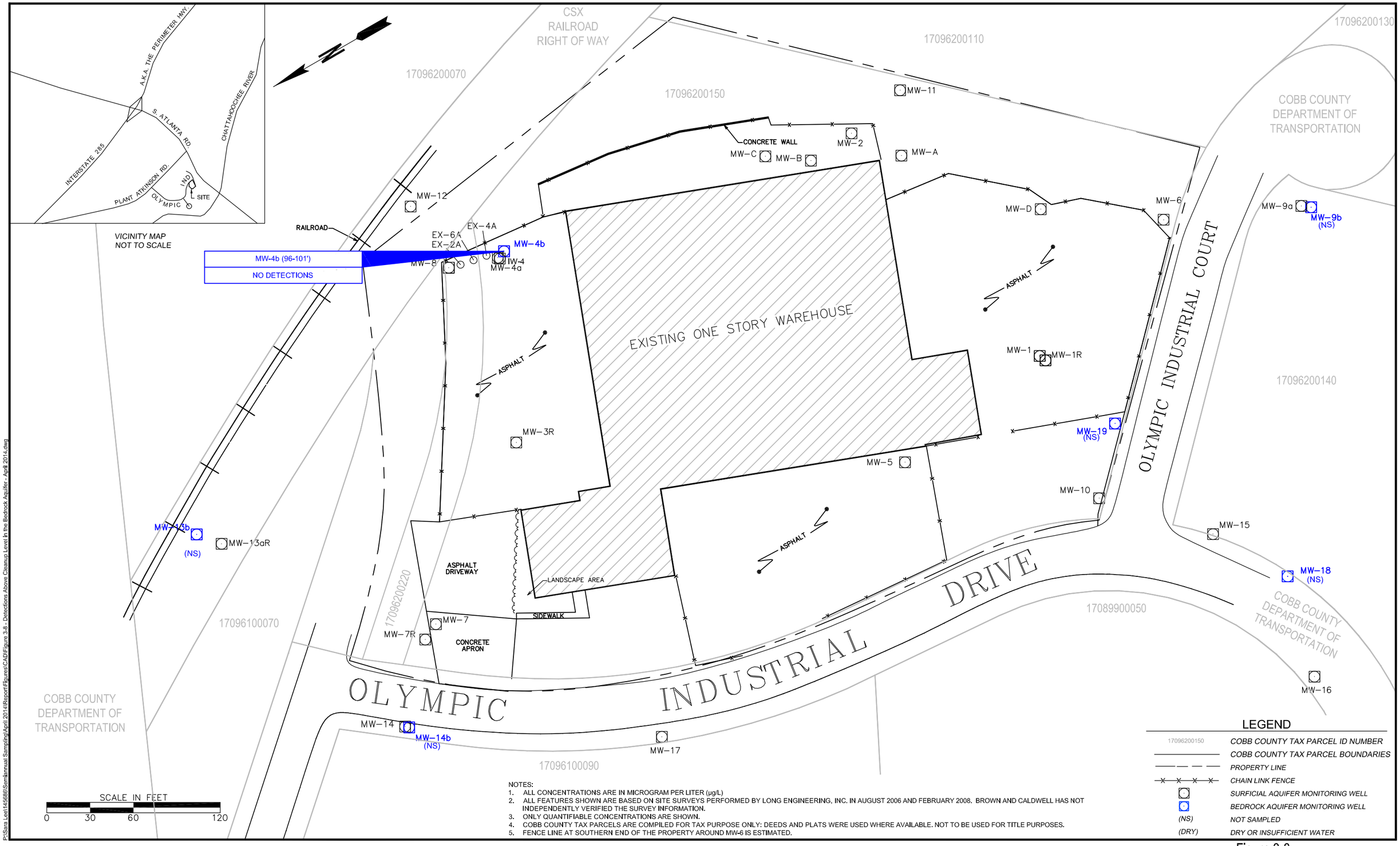
5. FENCE LINE AT SOUTHERN END OF THE PROPERTY AROUND MW-6 IS ESTIMATED.

Jun 20, 2014 - 10:22am lsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-7 - Detections above clean-up- April 2014.dwg

Brown AND Caldwell

Figure 3-7
Groundwater Detections Above the Cleanup Level
Shallow Aquifer, April 14, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



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LEGEND

17096200150	COBB COUNTY TAX PARCEL ID NUMBER
	COBB COUNTY TAX PARCEL BOUNDARIES
	PROPERTY LINE
	CHAIN LINK FENCE
	SURFICIAL AQUIFER MONITORING WELL
	BEDROCK AQUIFER MONITORING WELL
(NS)	NOT SAMPLED
(DRY)	DRY OR INSUFFICIENT WATER

Brown AND Caldwell

Figure 3-8
Groundwater Detections Above the Cleanup Level Bedrock Aquifer, April 14, 2014

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

Jun 20, 2014 - 10:23am bsteele
P:\Sara Lee\145886\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-8 - Detections Above Cleanup Level In the Bedrock Aquifer - April 2014.dwg

B-58

ELIZABETH LANE
CONSTRUCTION SHAFT

B-37

SOUTH ATLANTA ROAD

OW-73B
OW-73A

MW-20

CHATTAHOOCHEE RIVER

0 100 200
APPROXIMATE SCALE IN FEET

COBB COUNTY
DEPARTMENT OF TRANSPORTATION

OW-74A
OW-74B

OW-72

MW-13b
MW-13aR

MW-7R

MW-3R

MW-8

MW-12

MW-4a
MW-4b

OW-72 (107-135')	
CHEMICAL	µg/L
CIS-1,2-DICHLOROETHENE	1700
TETRACHLOROETHENE	15
VINYL CHLORIDE	46

MW-21

COBB COUNTY CHATTAHOOCHEE TUNNEL

OW-77B
OW-77A

B-59

B-68

PUMP STATION
CONSTRUCTION SHAFT

OLYMPIC INDUSTRIAL DRIVE

MW-C
MW-B
MW-2
MW-A
MW-11
MW-1R
MW-10
MW-19
MW-D
MW-16
MW-15
MW-18
MW-6
MW-9a
MW-9b

OLYMPIC INDUSTRIAL COURT

CSX RAILROAD RIGHT OF WAY

17096100120
17096100070
17096100090
17096200070
17089900050
17096200150
17096200110
17096200140
17096200130

NOTES:
1. INCLUSION OF SAMPLING RESULTS FOR ELIZABETH LANE IS WITHOUT PREJUDICE TO SARA LEE'S OBJECTIONS TO INCLUSION OF THE COBB COUNTY TUNNEL SITE IN THE FORMER OLYMPIC MANUFACTURING SITE REVIEW, AND ITS FULL RESERVATION OF RIGHTS WITH RESPECT TO THAT INCLUSION.
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- CCWS Abandoned Monitoring Well Location
- CCWS Monitoring Well Location
- Olympic Monitoring Well
- Cobb County Tax Parcel Boundary
- 17096200150 Cobb County Tax Parcel ID Number
- (NS) Not Sampled

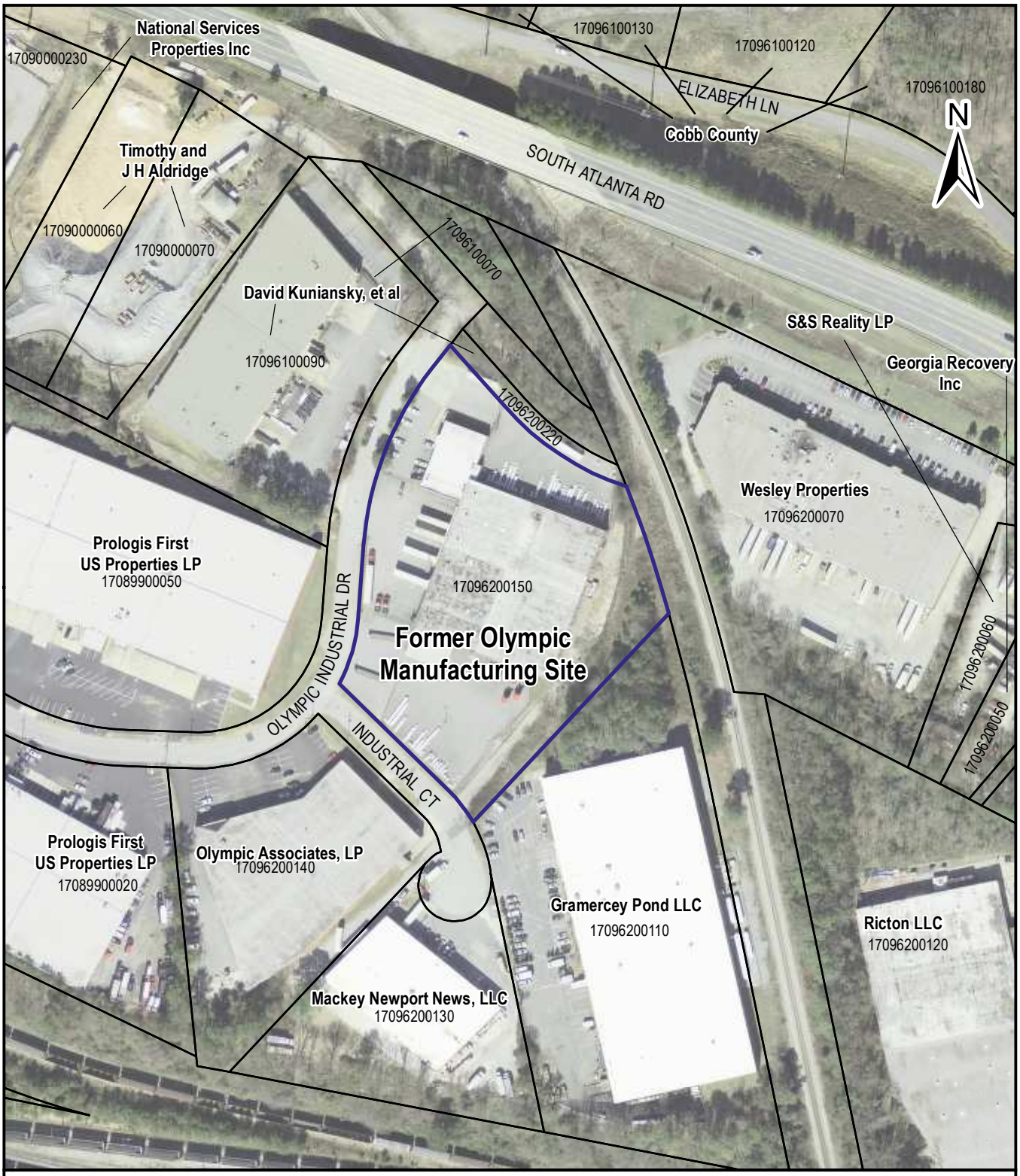
(Modified from JJ&G Report dated December 1999)

Jun 20, 2014 - 10:25am bsteele
P:\Sara Lee\145686\Semiannual Sampling\April 2014\Report\Figures\CAD\Figure 3-9 - Detections Above Cleanup Level in the CCWS Wells - April 2014.dwg

Brown AND Caldwell

Figure 3-9
Groundwater Water Detections Above the Cleanup Level
CCWS Wells, April 14, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

FILE PATH R:\Projects\Sara_Lee\Mapdocs\Fig_3_Tax_Plat.mxd



LEGEND

17096200150 Number provided is the Cobb County Tax Parcel Identification Number (PIN)

0 50 100 200

APPROXIMATE SCALE IN FEET

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

SAVED DATE:	06/20/2014
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	PCR
PROJECT #:	141054

Brown AND Caldwell

Figure 4-1
Former Olympic Manufacturing Site and Surrounding Properties

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

Table 2-1. Final Delineation Concentrations
Former Olympic Manufacturing Site; Smyrna, Georgia

Chemical[a]	12-8-108(1)(A) Background Samples		12-8-108(1)(B) Notification Conc.	12-8-108(1)(C) 2 x LDL		12-8-108(1)(D) Rept'd Bkgrd	12-8-108(1)(E) Type 1 RRS		Delineation Concentration			
									Groundwater, ug/L		Soil, mg/kg	
	GW[b] ug/L	Soil[c] mg/kg	Soil[d] mg/kg	GW[e] ug/L	Soil[e] mg/kg	Soil[f] mg/kg	GW[g] ug/L	Soil[g] mg/kg	Standard	Reference	Standard	Reference
Volatile Organics												
Acetone	50	< 0.0960	2.74	100	0.200	not listed[h]	4,000	400	4,000	Type 1 RRS	400	Type 1 RRS
Benzene	5	< 0.0048	0.02	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
2-Butanone	50	< 0.0096	0.79	100	0.100	not listed	2,000	200	2,000	Type 1 RRS	200	Type 1 RRS
Carbon tetrachloride	5	< 0.0048	0.17	10	0.010	not listed	5	nc[i]	5	Type 1 RRS	nc	nc
Chlorobenzene	5	< 0.0048	4.18	10	0.010	not listed	100	10	100	Type 1 RRS	10	Type 1 RRS
Chloroform[j]	5	< 0.0048	0.68	10	0.010	not listed	100	3.7	100	Type 1 RRS	3.7	Type 1 RRS
1,2-Dichlorobenzene	5	na[k]	25	10	0.010	not listed	600	60	600	Type 1 RRS	60	Type 1 RRS
1,3-Dichlorobenzene	5	na	2.22	10	0.010	not listed	600	60	600	Type 1 RRS	60	Type 1 RRS
1,4-Dichlorobenzene	5	na	0.13	10	0.010	not listed	75	7.5	75	Type 1 RRS	7.5	Type 1 RRS
1,1-Dichloroethane	5	< 0.0048	0.03	10	0.010	not listed	4,000	400	4,000	Type 1 RRS	400	Type 1 RRS
1,2-Dichloroethane	5	< 0.0048	0.02	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
1,1-Dichloroethene	5	< 0.0048	0.36	10	0.010	not listed	7	0.7	7	Type 1 RRS	0.7	Type 1 RRS
cis-1,2-Dichloroethene	5	< 0.0048	0.53	10	0.010	not listed	70	7	70	Type 1 RRS	7	Type 1 RRS
trans-1,2-Dichloroethene	5	< 0.0048	0.53	10	0.010	not listed	100	10	100	Type 1 RRS	10	Type 1 RRS
Ethylbenzene	5	< 0.0048	20	10	0.010	not listed	700	70	700	Type 1 RRS	70	Type 1 RRS
Isopropyl benzene	5	na	21.88	10	0.010	not listed	5	22	5	Type 1 RRS	21.88	Type 1 RRS
Methylene chloride	5	< 0.0480	0.08	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
1,1,2,2-Tetrachloroethane	5	< 0.0048	0.13	10	0.010	not listed	5	0.13	5	Type 1 RRS	0.13	Type 1 RRS
Tetrachloroethene	5	< 0.0048	0.18	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
Toluene	5	< 0.0048	14.4	10	0.010	not listed	1,000	100	1,000	Type 1 RRS	100	Type 1 RRS
1,2,4-Trichlorobenzene	5	na	10.83	10	0.010	not listed	70	10.83	70	Type 1 RRS	10.83	Type 1 RRS
1,1,1-Trichloroethane	5	< 0.0048	5.44	10	0.010	not listed	200	20	200	Type 1 RRS	20	Type 1 RRS
1,1,2-Trichloroethane	5	< 0.0048	0.5	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
Trichloroethene	5	< 0.0048	0.13	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
Vinyl Chloride	2	< 0.0048	0.04	4	0.020	not listed	2	0.2	2	Type 1 RRS	0.2	Type 1 RRS
Xylenes (total)	5	< 0.0096	20	10	0.010	not listed	10,000	1,000	10,000	Type 1 RRS	1,000	Type 1 RRS
Metals												
Barium	20	93.4	500	40	10	674.1	2,000	1,000	2,000	Type 1 RRS	1,000	Type 1 RRS
Cadmium	5	< 2.31	39	10	5	not listed	5	2	5	Type 1 RRS	2	Type 1 RRS
Chromium	10	4.67	1,200	20	5	100	100	100	100	Type 1 RRS	100	Type 1 RRS
Copper	10	3.25	1,500	20	5	46.7	1,300	100	1,300	Type 1 RRS	100	Type 1 RRS
Lead	10	15.4	300	20	10	30	15	75	15	Type 1 RRS	75	Type 1 RRS
Nickel	20	4.62	420	40	10	24	100	50	100	Type 1 RRS	50	Type 1 RRS
Zinc	20	42.7	2,800	40	10	67	2,000	100	2,000	Type 1 RRS	100	Type 1 RRS

a - Standards provided for all constituents historically detected at the site; many are no longer present at the site.

b - LDL used to calculate these values is equal to the PQL for methods SW8260B, SW8070D, & SW6010B.

c - Values are derived from the analysis of a soil sample taken at MW-14 at a depth of 35 to 37 feet on May 31, 2002.

d - Values obtained from table of Regulated Substances and Soil Concentrations that Trigger Notification, Rule 391-3-19-APPENDIX I.

e - Value is equal to twice the LDL, where the LDL is equal to the PQL for for methods SW8260B, SW8070D, & SW6010B.

f - Values obtained from USGS Open File Report 81-197 for the Cobb Co., GA sample (Sample No. GC274650) and modified in accordance with EPD VRP "Frequently Asked Questions" dated November 15, 2010.

g - Values are equal to the Residential Cleanup Standards (Type 1 RRS).

h - "not listed" indicates a value is not listed for the constituent in the given source.

i - "nc" indicates not calculated as chemcial not detected in soil.

j - The RRS of 0.1 mg/L for chloroform is for total trihalomethanes.

k - "na" indicates the constituent was not analyzed for in the background sample.

Table 2-2. Final Cleanup Standards
Former Olympic Manufacturing Site; Smyrna, Georgia

Chemical[a]	Alternative Cleanup Standard								Designated Cleanup Standard			
	Groundwater Standards, ug/L				Soil Standards, mg/kg				Groundwater, ug/L		Soil, mg/kg	
	Type 1	Type 2	Type 3	Type 4	Type 1	Type 2	Type 3	Type 4	Standard	Reference	Standard	Reference
Volatile Organics												
Acetone	4,000		4,000		400				4,000	Type 3	400	Type 1
Benzene	5	4.4	5	8.7	0.5				8.7	Type 4	0.5	Type 1
2-Butanone	2,000		2,000		200				2,000	Type 3	200	Type 1
Carbon Tetrachloride	5	4.9	5	10.22	nc[b]				10.22	Type 4	---	---
Chlorobenzene	100	27	100	136	nc				136	Type 4	---	---
Chloroform[c]	100		100		3.7				100	Type 3	3.7	Type 1
1,2-Dichlorobenzene	600		600		60				600	Type 3	60	Type 1
1,3-Dichlorobenzene	600		600		60				600	Type 3	60	Type 1
1,4-Dichlorobenzene	75	35	75	7.3	7.5				75	Type 3	7.5	Type 1
1,1-Dichloroethane	4,000		4,000		nc				4,000	Type 3	---	---
1,2-Dichloroethane	5	1.6	5	2.9	nc				5	Type 3	---	---
1,1-Dichloroethene	7	103	7	524	nc				524	Type 4	---	---
cis-1,2-Dichloroethene	70	156	5	1,020	7				1,020	Type 4	7	Type 1
trans-1,2-Dichloroethene	100	32	100	161	10				161	Type 4	10	Type 1
Ethylbenzene	700		700		70				700	Type 3	70	Type 1
Isopropyl benzene	5	207	5		22				207	Type 2	21.88	Type 1
Methylene chloride	5		5		0.5				5	Type 3	0.5	Type 1
1,1,2,2-Tetrachloroethane	5		5		0.13				5	Type 3	0.13	Type 1
Tetrachloroethene	5	1.3	5	3.8	0.5	0.015	0.5 and 16	0.044	5	Type 3	0.5	Type 3
Toluene	1,000		1,000		100				1,000	Type 3	100	Type 1
1,2,4-Trichlorobenzene	70		70		10.83				70	Type 3	10.83	Type 1
1,1,1-Trichloroethane	200		200		20				200	Type 3	20	Type 1
1,1,2-Trichloroethane	5		5		nc				5	Type 3	---	---
Trichloroethene	5	18	5	35	0.5				35	Type 4	0.5	Type 1
Vinyl Chloride	2	1.1	2	3.3	nc				3.3	Type 4	---	---
Xylenes (total)	10,000		10,000		1,000				10,000	Type 3	1,000	Type 1
Metals												
Barium	2,000		2,000		1,000				2,000	Type 3	1,000	Type 1
Cadmium	5	7.8	5	51	2				51	Type 4	2	Type 1
Chromium	100	47	100	310	100				310	Type 4	100	Type 1
Copper	1,300	630	1,300	4,090	100				4,090	Type 4	100	Type 1
Lead	15	15	15	15	75				15	Type 3	75	Type 1
Nickel	100	310	100	2,040	50				2,040	Type 4	50	Type 1
Zinc	2,000	4,700	2,000		100	5,838	2800		4,700	Type 2	5838	Type 2

a - Standards provided for all constituents historically detected at the site; many are no longer present at the site.

b - "nc" indicates not calculated as chemcial not detected in soil.

c - The RRS of 0.1 mg/L for bromodichloromethane, chloroform, and dibromochloromethane is for total trihalomethanes.

Table 2-3. Semiannual Groundwater Sampling Protocol, April 2014 Former Olympic Manufacturing Site, Smyrna, Georgia			
Monitoring Well[a]	Sampled?	Analytes	Notes
MW-1R		----	Water level only
MW-2	✓	VOCs	
MW-3R		----	Water level only
MW-4a	✓	VOCs, geochemical parameters[b]	
MW-4b	✓	VOCs	
MW-5		----	Water level only
MW-6	✓	VOCs, geochemical parameters	
MW-7R		----	Water level only
MW-8	✓	VOCs, Mn, geochemical parameters	
MW-9a		----	Water level only
MW-9b		----	Water level only
MW-10		----	Water level only
MW-11	✓	VOCs	
MW-12	✓	VOCs, geochemical parameters	
MW-13aR		----	Water level only
MW-13b		----	Water level only
MW-14		----	Water level only
MW-14b		----	Water level only
MW-15		----	Not sampled as well was dry
MW-16		----	Not sampled as well was dry
MW-17		----	Water level only
MW-18		----	Water level only
MW-19		----	Water level only
MW-20	✓	VOCs	
MW-21	✓	VOCs	
MW-A		----	Water level only
MW-B		----	Water level only
MW-C		----	Water level only
MW-D		----	Water level only
OW-72	✓	VOCs	
OW-74A	✓	VOCs	
IW-1 to IW-3		----	Water level only
IW-4		----	Water level only
IW-5 to IW-10		----	Water level only

[a] MW-1, MW-3, MW-4, MW-7, and MW-13a damaged by others; thus wells MW-1R, MW-3R, MW-4a, MW-4b, MW-7R, MW-13aR were installed. CCWS monitoring well OW-74B was paved over after December 2004.

[b] Geochemical parameters are total organic carbon (TOC), nitrate, sulfate, ferrous iron, and methane.

Table 3-1a. Historical Water Level Data
Former Olympic Manufacturing Site, Smyrna, Georgia

Well	Top of Casing Elev.,[a] ft	Depth to Water from Top of Casing, feet																													
		Dec-98	Sep-99	Feb-00	Apr-01	Dec-01	May-02	Sep-03	Dec-03	Feb-04	Jun-04	May-05	Jul-06	Apr-07	May-07	Oct-07	Jan-08	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10[b]	Oct-10	Apr-11	Oct-11	Nov-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14
MW-1	838.52	31.74	31.14	31.63	30.6	33.89	33.69	32.76[c]	33.92	ng[d]	35.35	ng	34.85	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-1R	838.63	ni[e]	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	34.62	34.46	ng	36.74	36.17	34.61	37.12	35.19	34.02	32.83	34.37	33.78	35.86	ng	35.44	36.70	34.04	33.71	32.66
MW-2	840.52	32.18	30.18	31.75	26.31	37.48	36.81	29.02[c]	31.99	ng	33.98	ng	33.00	34.15	ng	38.42	39.26	33.53	38.81	36.14	33.39	27.83	34.81	32.49	38.35	ng	37.37	42.07	35.23	31.00	28.49
MW-3	839.98	37.20	38.00	39.60	37.62	41.86	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-3R	839.79	ni	ni	ni	ni	ni	ni	ni	ni	ni	45.85	ng	44.84	47.10	ng	49.46	51.02	50.75	51.55	52.19	49.61	42.12	44.05	47.57	49.31	ng	51.65	53.67	52.90	46.80	45.23
MW-4	841.45	37.05	37.15	38.36	35.58	Dry	Dry	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-4a	838.92	ni	ni	ni	ni	ni	ni	ni	ni	ni	43.86	40.27	42.15	43.13	44.45	Dry	Dry	Dry	45.88	Dry	44.59	39.40	42.60	43.63	Dry	ng	Dry	Dry	Dry	42.34	40.69
MW-4b	839.13	ni	ni	ni	ni	ni	ni	ni	ni	ni	46.51	ng	44.60	46.27	ng	49.08	50.37	49.78	50.72	51.22	50.98	42.14	43.66	46.71	48.59	ng	50.53	52.56	51.00	45.11	43.14
MW-5	838.27	28.2	27.8	27.95	27.78	27.31	26.89	29.13	ng	ng	30.56	ng	29.82	30.11	ng	32.02	32.11	30.22	32.32	29.89	28.82	27.87	29.48	28.21	30.04	ng	29.13	30.95	28.38	29.23	28.87
MW-6[c]	836.85	26.59	24.38	24.29	21.24	28.12	26.62	16.45[c]	21.67	23.75	25.99	ng	25.33	26.69	ng	18.36[c]	19.70[c]	23.42	26.82	24.96	23.61	23.38	27.55	24.79	28.58	ng	27.81	30.20	23.42	24.01	20.41
MW-7	840.66	39.06	39.06	41.01	39.15	42.37	43.35	42.54	ng	ng	46.21	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-7R	841.66	ni	ni	ni	ni	ni	ni	ni	ni	ni	44.95	ng	45.65	47.07	ng	48.44	49.38	49.26	49.49	49.19	47.36	43.92	44.42	46.30	48.00	ng	49.50	50.62	49.72	47.83	46.09
MW-8	838.52	35.68	36.04	37.71	35.08	45.94	47.79	40.90	ng	ng	45.25	41.38	43.27	44.90	45.76	48.56	48.79	47.81	48.39	49.35	46.59	40.33	43.67	45.58	48.32	48.93	49.55	52.38	49.21	49.76	42.13
MW-9a[c]	833.15	ni	ni	ni	ni	21.34	19.41	18.18[c]	17.25	18.17	20.31	ng	19.77	20.29	ng	17.14[c]	17.15[d]	18.46	21.12	18.36	18.46	19.29	21.55	19.32	23.48	ng	21.34	23.90	18.70	18.65	17.38
MW-9b[c,f]	833.19	ni	ni	ni	ni	22.55	20.38	20.69[c]	31.01	31.81	34.94	ng	34.26	25.84	ng	22.05[c]	24.88[c]	23.35	23.21	19.08	18.80	19.53	22.19	19.92	23.80	ng	22.20	24.49	19.10	17.27	17.51
MW-10	836.37	ni	ni	ni	ni	24.27	24.14	24.37	24.51	ng	23.69	ng	25.10	24.39	ng	25.22	24.60	24.92	26.58	24.92	25.53	24.93	24.68	24.30	24.77	ng	23.82	26.22	24.66	25.40	24.51
MW-11	833.80	ni	ni	ni	ni	29.8	27.74	20.07[c]	23.37	ng	26.15	ng	26.10	26.32	ng	32.15[c]	31.30[c]	24.15	33.28	25.46	26.65	19.63	29.65	24.19	33.67	ng	30.58	37.52	25.50	24.91	20.23
MW-12	834.97	ni	ni	ni	ni	43.87	45.46	37.31	ng	ng	41.48	ng	39.45	41.44	43.53	44.53	44.53	42.91	45.92	43.92	41.38	36.07	40.27	41.07	44.81	ng	45.36	Dry	43.58	42.78	37.53
MW-13a	837.44	ni	ni	ni	ni	42.87	44.67	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-13aR	839.02	ni	ni	ni	ni	ni	ni	ni	ni	ni	46.88	ng	45.56	47.95	ng	51.52	52.18	51.55	52.50	53.12	50.48	43.58	45.19	48.58	50.51	ng	52.72	54.88	54.05	55.11	46.93
MW-13b[f]	836.96	ni	ni	ni	ni	48.21	48.89	43.79	ng	48.04	48.72	ng	47.42	49.04	ng	51.80	52.85	51.81	53.29	52.79	50.62	44.85	46.97	49.17	51.47	ng	52.85	55.17	53.31	55.07	47.00
MW-14	844.43	ni	ni	ni	ni	ni	43.21	45.17	ng	ng	47.6	ng	48.36	49.72	ng	Dry	Dry	Dry	Dry	Dry	Dry	46.70	47.13	48.96	50.03	ng	Dry	Dry	Dry	Dry	48.89
MW-14b	844.39	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	54.45	53.21	53.10	52.72	50.72[h]	47.41	47.73	49.48	51.18	ng	55.09	56.69	56.17	52.78	50.13
MW-15	834.82	ni	ni	ni	ni	ni	Dry	Dry	ng	ng	Dry	ng	Dry	15.02	ng	Dry	Dry	Dry	Dry	Dry	Dry	15.04	15.03	15.04	15.05	ng	Dry	Dry	Dry	Dry	Dry
MW-16	832.98	ni	ni	ni	ni	ni	29.42	Dry	ng	ng	Dry	ng	Dry	Dry	ng	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ng	Dry	Dry	Dry	Dry	Dry
MW-17	841.85	ni	ni	ni	ni	ni	ni	38.06	ng	ng	40.51	ng	42.25	43.89	ng	45.62	46.76	44.49	46.81	41.73	37.94	38.14	40.78	39.93	44.43	ng	44.92	46.87	43.16	43.54	40.32
MW-18	833.46	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	51.21	34.83	ng	34.53	33.98	33.30	33.40	48.30	29.01	29.22	31.75	33.73	31.14	ng	32.10	35.78	37.60	37.79	37.76
MW-19	837.20	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	29.68	29.25	31.11	29.45	29.24	28.92	29.49	29.06	30.09	ng	29.53	30.26	29.20	29.58	29.10
MW-20	800.83	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	33.06	33.11	32.42
MW-21	800.82	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	38.91	38.91
MW-A	837.96	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	29.3[g]	ng	ng	ng	35.52	28.98	35.28	31.60	30.51	23.85	31.10	28.78	34.74	ng	33.75	38.01	31.60	32.59	23.81
MW-B	838.44	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	36.57	ng	ng	ng	38.62	32.87	38.15	36.56	33.38	27.41	33.60	32.72	37.39	ng	37.12	41.02	35.60	30.57	28.52
MW-C	838.59	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	32.50	ng	ng	ng	38.88	33.2	38.35	36.91	33.62	28.04	34.00	33.12	37.64	ng	37.43	41.24	35.88	31.00	28.78
MW-D	837.71	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	27.44	27.42	31.34	30.62	28.65	25.18	29.09	28.51	31.29	ng	31.21	33.88	29.12	24.08	23.67
OW-72	861.00	ng	ng	ng	ng	ng	ng	ng	ng	ng	77.04	ng	78.60	76.65	ng	79.48	80.10	78.58	80.79	76.73	77.53	73.10	75.30	76.29	79.19	ng	79.79	82.56	79.73	75.58	74.41
OW-74A	800.00	ng	ng	ng	ng	ng	ng	ng	ng	ng	18.39	ng	17.42	17.99	ng	20.39	20.42	19.15	21.65	19.50	18.38	15.33	17.53	17.74	20.82	ng	20.61	23.70	20.12	17.66	16.41
OW-74B	799.00	ng	ng	ng	ng	ng	ng	ng	ng	ng	20.55	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
IW-1	839.26	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	40.65	41.56	ng	41.56	43.80	42.14	45.50	42.61	41.10	37.99	41.62	41.24	44.93	ng	44.27	47.36	41.97	40.55	38.55
IW-2	839.52	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	41.45	42.31	ng	42.31	45.00	43.35	46.67	42.56	ng	ng	42.24	42.11	46.48	ng	46.46	46.72	43.56	41.30	39.50
IW-3	839.36	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	42.53	43.89	ng	43.89	47.00	46.12	47.25	47.31	44.27	39.85	42.73	42.85	46.10	ng	47.33	46.93	46.47	42.38	40.88
IW-4	838.80	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	41.17	42.19	ng	42.19	44.17	43.18	46.40	43.90	41.92	38.24	42.05	41.80	45.80	46.25	45.36	47.23	43.03	41.08	39.11
IW-5	839.17	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	42.50	43.58	ng	43.58	48.20	47.12	48.12	48.12	ng	39.82	43.06	44.26	47.70	ng	47.98	48.10	48.15	Dry	39.23
IW-6	838.36	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	43.00	43.61	ng	43.61	48.00	46.88	Dry	Dry	ng	39.74	43.31	45.00	47.49	ng	Dry	Dry	Dry	Dry	41.63
IW-7	838.40	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	43.12	44.52	ng	44.52	48.50	47.31	47.31	48.13	ng	40.14	43.46	47.37	47.64	ng	48.25	48.21	48.29	43.83	42.06
IW-8	838.49	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	43.03	43.39	ng	43.39	42.70	Dry	37.50	42.70	ng	40.25	43.48	Dry	Dry	ng	Dry	Dry	Dry	Dry	42.18
IW-9	838.51	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	43.28	44.91	ng	44.91	48.50	47.65	48.55	48.50	ng	40.24	43.66	45.61	48.15	ng	48.48	48.43	48.61	44.03	42.23
IW-10	838.46	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	43.28	44.69	ng	44.69	48.50	47.68	48.49	44.74	ng	40.39	43.72	45.54	47.85	ng	Dry	Dry	48.18	44.10	42.33

[a] Well casing elevations based upon August 2, 2006 survey by Long Engineering, Inc. for all monitoring wells, except OW-72A, OW-74A, and OW-74B (obtained from Jordon, Jones, and Goulding, June 2004), and MW-14b, MW-19, and MW-D (surveyed by Long Engineering, Inc., January 2008), and MW-20 and MW-21 (surveyed by Long Engineering in April 2013 and March 2014, respectively).

[b] Water column in wells at south end of property appeared to be under pressure when well cap removed on April 21, 2010. Thus, wells in that area regauged on April 28 and all wells regauged on April 30, 2010.

[c] Water levels in these wells may have been affected by water line leaks in September 2003, and/or October 2007 and January 2008.

[d] "ng" indicates well was not gauged in this event. MW-1, 3, 4, 7, and 13a were damaged by others. Replacement wells MW-1R, 3R, 4a, 4b, 7R, and 13aR were gauged as indicated in the table. CCWS monitoring well OW-74B was paved-over following sampling in December 2004 and thus cannot be gauged. IW-2 could not be gauged in October 2009 as well cap was stuck.

[e] "ni" indicates well not installed at this time.

[f] MW-9b and MW-13b were completed in September 2003.

[g] MW-A was gauged in September 2006.

[h] Initial reading in MW-14b in October 2009 was inconsistent with past readings; thus MW-14b was regauged on November 13, 2009.

Table 3-1b. Historical Groundwater Elevation Data
Former Olympic Manufacturing Site, Smyrna, Georgia

Well	Top of Casing Elev.,[a] ft	Groundwater Elevation, feet																													
		Dec-98	Sep-99	Feb-00	Apr-01	Dec-01	May-02	Sep-03	Dec-03	Feb-04	Jun-04	Dec-04	May-05	Jul-06	Apr-07	May-07	Oct-07	Jan-08	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10b	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14
MW-1	838.52	807.34	807.94	807.45	808.48	805.19	805.39	806.32[d]	805.16	ng	803.17	ng	ng	803.67	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-1R	838.63	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	804.01	804.17	ng	801.89	802.46	804.02	801.51	803.44	804.61	805.80	804.26	804.85	802.77	803.19	801.93	804.59	804.92	805.97
MW-2	840.52	809.09	811.09	809.52	814.96	803.79	804.46	812.25[d]	809.28	ng	806.54	ng	ng	807.52	806.37	ng	802.10	801.26	806.99	801.71	804.38	807.13	812.69	805.71	808.03	802.17	803.15	798.45	805.29	809.52	812.03
MW-3	839.98	802.78	801.98	800.38	802.36	798.12	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-3R	839.79	ni	ni	ni	ni	ni	ni	ni	ni	ni	793.94	ng	ng	794.95	792.69	ng	790.33	788.77	789.04	788.24	787.60	790.18	797.67	795.74	792.22	790.48	788.14	786.12	786.89	792.99	794.56
MW-4	841.45	804.40	804.30	803.09	805.87	Dry	Dry	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-4a	838.92	ni	ni	ni	ni	ni	ni	ni	ni	ni	795.06	ng	798.65	796.77	795.79	794.47	Dry	Dry	Dry	793.04	Dry	794.33	799.52	796.32	795.29	Dry	Dry	Dry	Dry	796.58	798.23
MW-4b	839.13	ni	ni	ni	ni	ni	ni	ni	ni	ni	792.62	ng	ng	794.53	792.86	ng	790.05	788.76	789.35	788.41	787.91	788.15	796.99	795.47	792.42	790.54	788.60	786.57	788.13	794.02	795.99
MW-5	838.27	811.01	811.41	811.26	811.43	811.9	812.32	810.08	ng	ng	807.71	ng	ng	808.45	808.16	ng	806.25	806.16	808.05	805.95	808.38	809.45	810.40	808.79	810.06	808.23	809.14	807.32	809.89	809.04	809.40
MW-6[c]	836.85	810.68	812.89	812.98	816.03	809.15	810.65	820.82[c]	815.60	813.52	810.86	ng	ng	811.52	810.16	ng	818.49[c]	817.15[c]	813.43	810.03	811.89	813.24	813.47	809.30	812.06	808.27	809.04	806.65	813.43	812.84	816.44
MW-7	840.66	802.02	802.02	800.07	801.93	798.71	797.73	798.54	ng	ng	794.45	ng	ng	ng	ng	ng		ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-7R	841.66	ni	ni	ni	ni	ni	ni	ni	ni	ni	796.71	ng	ng	796.01	794.59	ng	793.22	792.28	792.40	792.17	792.47	794.30	797.74	797.24	795.36	793.66	792.16	791.04	791.94	793.83	795.57
MW-8	838.52	803.28	802.92	801.25	803.88	793.02	791.17	798.06	ng	ng	793.27	ng	797.14	795.25	793.62	792.76	789.96	789.73	790.71	790.13	789.17	791.93	798.19	794.85	792.94	790.20	788.97	786.14	789.31	788.76	796.39
MW-9a[c]	833.15	ni	ni	ni	ni	812.39	814.32	815.55[c]	816.48	815.56	812.84	ng	ng	813.38	812.86	ng	816.01[c]	816.00[c]	814.69	812.03	814.79	814.69	813.86	811.60	813.83	809.67	811.81	809.25	814.45	814.50	815.77
MW-9b[c,f]	833.19	ni	ni	ni	ni	810.97	813.14	812.83[c]	802.51	801.38	798.25	ng	ng	798.93	807.35	ng	811.14[c]	808.31[c]	809.84	809.98	814.11	814.39	813.66	811.00	813.27	809.39	810.99	808.70	814.09	815.92	815.68
MW-10	836.37	ni	ni	ni	ni	812.74	812.87	812.64	812.5	ng	812.68	ng	ng	811.27	811.98	ng	811.15	811.77	811.45	809.79	811.45	810.84	811.44	811.69	812.07	811.60	812.55	810.15	811.71	810.97	811.86
MW-11	833.80	ni	ni	ni	ni	804.61	806.67	814.34[c]	811.04	ng	807.65	ng	ng	807.70	807.48	ng	801.65[c]	802.50[c]	809.65	800.52	808.34	807.15	814.17	804.15	809.61	800.13	803.22	796.28	808.30	808.89	813.57
MW-12	834.97	ni	ni	ni	ni	791.77	790.18	798.33	ng	ng	793.49	ng	ng	795.52	793.53	791.44	790.44	790.44	792.06	789.05	791.05	793.59	798.90	794.70	793.90	790.16	789.61	Dry	791.39	792.19	797.44
MW-13a	837.44	ni	ni	ni	ni	794.57	792.77	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
MW-13aR	839.02	ni	ni	ni	ni	ni	ni	ni	ni	ni	792.14	ng	ng	793.46	791.07	ng	787.50	786.84	787.47	786.52	785.90	788.54	795.44	793.83	790.44	788.51	786.30	784.14	784.97	783.91	792.09
MW-13b[f]	836.96	ni	ni	ni	ni	788.93	788.25	793.35	ng	788.92	788.24	ng	ng	789.54	787.92	ng	785.16	784.11	785.15	783.67	784.17	786.34	792.11	789.99	787.79	785.49	784.11	781.79	783.65	781.89	789.96
MW-14	844.43	ni	ni	ni	ni	ni	ni	801.87	799.91	ng	ng	796.83	ng	ng	796.07	794.71	ng	Dry	Dry	Dry	Dry	Dry	797.73	797.30	795.47	794.40	Dry	Dry	Dry	Dry	795.54
MW-14b	844.39	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	789.94	791.18	791.29	791.67	793.67	796.98	796.66	794.91	793.21	789.30	787.70	788.22	791.61	794.26
MW-15	834.82	ni	ni	ni	ni	ni	Dry	Dry	ng	ng	Dry	ng	ng	Dry	819.80	ng	Dry	Dry	Dry	Dry	Dry	Dry	819.78	819.79	819.78	819.77	Dry	Dry	Dry	Dry	Dry
MW-16	832.98	ni	ni	ni	ni	ni	804.12	Dry	ng	ng	Dry	ng	ng	Dry	Dry	ng	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-17	841.85	ni	ni	ni	ni	ni	ni	804.44	ng	ng	801.34	ng	ng	799.60	797.96	ng	796.23	795.09	797.36	795.04	800.12	803.91	803.71	801.07	801.92	797.42	796.93	794.98	798.69	798.31	801.53
MW-18	833.46	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	782.25	798.63	ng	798.93	799.48	800.16	800.06	785.16	804.45	804.24	801.71	799.73	802.32	801.36	797.68	795.86	795.67	795.70
MW-19	837.20	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	807.52	807.95	806.09	807.75	807.96	808.28	807.71	808.14	807.11	807.67	806.94	808.00	807.62	808.10
MW-20	800.83	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	767.77	767.72	768.41
MW-21	800.82	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	761.91
MW-A	837.96	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	808.66	ng	ng	ng	802.44	808.98	802.68	806.36	807.45	814.11	806.86	809.18	803.22	804.21	799.95	806.36	805.37	814.15
MW-B	838.44	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	801.87	ng	ng	ng	799.82	805.57	800.29	801.88	805.06	811.03	804.84	805.72	801.05	801.32	797.42	802.84	807.87	809.92
MW-C	838.59	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	806.09	ng	ng	ng	799.71	805.39	800.24	801.68	804.97	810.55	804.59	805.47	800.95	801.16	797.35	802.71	807.59	809.81
MW-D	837.71	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	810.27	810.29	806.37	807.09	809.06	812.53	808.62	809.20	806.42	806.50	803.83	808.59	813.63	814.04
OW-72	861.00	ng	ng	ng	ng	ng	ng	ng	ng	ng	783.96	784.14	787.18	782.40	784.35	ng	781.52	780.90	782.42	780.21	784.27	783.47	787.90	785.70	784.71	781.81	781.21	778.44	781.27	785.42	786.59
OW-74A	800.00	ng	ng	ng	ng	ng	ng	ng	ng	ng	781.61	782.41	784.82	782.58	782.01	ng	779.61	779.58	780.85	778.35	780.50	781.62	784.67	782.47	782.26	779.18	779.39	776.30	779.88	782.34	783.59
OW-74B	799.00	ng	ng	ng	ng	ng	ng	ng	ng	ng	778.45	779.49	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng
IW-1	839.26	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	798.61	797.70	ng	797.70	795.46	797.12	793.76	796.65	798.16	801.27	797.64	798.02	794.33	794.99	791.90	797.29	798.71	800.71
IW-2	839.52	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	798.07	797.21	ng	797.21	794.52	796.17	792.85	796.96	ng	ng	797.28	797.41	793.04	793.06	792.80	795.96	798.22	800.02
IW-3	839.36	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	796.83	795.47	ng	795.47	792.36	793.24	792.11	792.05	795.09	799.51	796.63	796.51	793.26	792.03	792.43	792.89	796.98	798.48
IW-4	838.80	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	797.63	796.61	ng	796.61	794.63	795.62	792.40	794.90	796.88	800.56	796.75	797.00	793.00	793.44	791.57	795.77	797.72	799.69
IW-5	839.17	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	796.67	795.59	ng	795.59	790.97	792.05	791.05	791.05	ng	799.35	796.11	794.91	791.47	791.19	791.07	791.02	Dry	799.94
IW-6	838.36	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	795.36	794.75	ng	794.75	790.36	791.48	Dry	Dry	ng	798.62	795.05	793.36	790.87	Dry	Dry	Dry	Dry	796.73
IW-7	838.40	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	795.28	793.88	ng	793.88	789.90	791.09	791.09	790.27	ng	798.26	794.94	791.03	790.76	790.15	790.19	790.11	794.57	796.34
IW-8	838.49	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	795.46	795.10	ng	795.10	795.79	Dry	800.99	795.79	ng	798.24	795.01	Dry	Dry	Dry	Dry	Dry	Dry	796.31
IW-9	838.51	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	795.23	793.60	ng	793.60	790.01	790.86	789.96	790.01	ng	798.27	794.85	792.90	790.36	790.03	790.08	789.90	794.48	796.28
IW-10	838.46	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	795.18	793.77	ng	793.77	789.96	790.78	789.97	793.72	ng	798.07	794.74	792.92	790.61	Dry	Dry	790.28	794.36	796.13

[a] Well casing elevations based upon August 2, 2006 survey by Long Engineering, Inc. for all monitoring wells, except OW-72A, OW-74A, and OW-74B (obtained from Jordon, Jones, and Goulding, June 2004), and MW-14b, MW-19, and MW-D (surveyed by Long Engineering, Inc., January 2008), and MW-20 and MW-21 (surveyed by Long Engineering on April 2013 and March 2014 resepectively).

[b] Water column in wells at south end of property appeared to be under pressure when well cap removed on April 21, 2010. Thus, wells in that area regauged on April 28 and all wells regauged on April 30, 2010.

[c] Water levels in these wells may have been affected by water line leaks in September 2003, and/or October 2007 and January 2008.

[d] "ng" indicates well was not gauged in this event. MW-1, 3, 4, 7, and 13a were damaged by others. Replacement wells MW-1R, 3R, 4a, 4b, 7R, and 13aR were gauged as indicated in the table. CCWS monitoring well OW-74B was paved-over following sampling in December 2004 and thus cannot be gauged. IW-2 could not be gauged in October 2009 as well cap was stuck.

[e] "ni" indicates well not installed at this time.

[f] MW-9b and MW-13b were completed in September 2003.

Table 3-2. Analytical Detections for April 2014 Groundwater Samples
Former Olympic Manufacturing Site, Smyrna, Georgia

Constituent	Concentration (micrograms per liter)																	
	MW-2	MW-4a	MW-4b	MW-6	MW-8	MW-11	MW-12	MW-15	MW-16	MW-20	MW-21	OW-72	OW-74A	14104-EB	14105-EB	14105-DUP-1 (MW-8)	VRP Delineation Level	VRP Cleanup Level
Screened Interval, bgs	30 to 40	36 to 46	96 to 101	25 to 45	35 to 55	28 to 38	36 to 46	5 to 15	27 to 37	33 to 43	47 to 57	107 to 135	42 to 81					
Sampling Date	04/14/14	04/16/14	04/14/14	04/14/14	04/15/14	04/15/14	04/15/14	ns[a]	ns	04/14/14	04/16/14	04/15/14	04/15/14	04/14/14	04/15/14	04/15/14		
Volatile Organics, Method 8260B																		
Chlorobenzene	< 5.0	**5.1**	< 5.0	**9.7**	< 5.0	**30**	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	136
1,2-Dichlorobenzene	< 5.0	**300**	< 5.0	< 5.0	**53**	< 5.0	< 5.0			< 5.0	< 5.0	**19**	< 5.0	< 5.0	< 5.0	**55**	600	600
1,3-Dichlorobenzene	< 5.0	**110**	< 5.0	< 5.0	**14**	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**16**	600	600
1,4-Dichlorobenzene	< 5.0	**69**	< 5.0	< 5.0	**11**	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**12**	75	75
1,1-Dichloroethane	**19**	**5.8**	< 5.0	< 5.0	**32**	< 5.0	< 5.0			< 5.0	< 5.0	**15**	< 5.0	< 5.0	< 5.0	**34**	4,000	4,000
1,1-Dichloroethene	**20**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	7.0	524
cis-1,2-Dichloroethene	**200**	**6,300**	< 5.0	**12**	**4,600**	**23**	**21**			< 5.0	< 5.0	**1,700**	**160**	< 5.0	< 5.0	**4,500**	70	1,020
trans-1,2-Dichloroethene	< 5.0	**36**	< 5.0	< 5.0	**28**	< 5.0	< 5.0			< 5.0	< 5.0	**11**	< 5.0	< 5.0	< 5.0	**29**	100	161
Isopropyl benzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**11**			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.0	207
Tetrachloroethene	< 5.0	**11**	< 5.0	< 5.0	**16**	**5.6**	< 5.0			< 5.0	< 5.0	**15**	< 5.0	< 5.0	< 5.0	**17**	5.0	5.0
1,1,1-Trichloroethane	**23**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	200	200
Trichloroethene	**44**	**19**	< 5.0	< 5.0	**16**	< 5.0	< 5.0			< 5.0	< 5.0	**46**	**14**	< 5.0	< 5.0	**17**	5.0	35
Vinyl Chloride	< 2.0	**3.4**	< 2.0	< 2.0	**3.7**	< 2.0	< 2.0			< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**3.9**	2.0	3.3
Total VOCs Detected	**306**	**6,859**	< 5.0	**22**	**4,774**	**59**	**32**	ns	ns	< 5.0	< 5.0	**1,806**	**174**	< 5.0	< 5.0	**4,684**		
Metals, Method 6010B																		
Manganese	na[b]	na	na	na	**11,600**	na	na	ns	ns	na	na	na	na	na	na	**12,300**	ne[c]	ne

[a] "ns" indicates sample not collected as well was dry (MW-15, MW-16).

[b] "na" indicates sample not analyzed for that parameter.

[c] "ne" indicates no standard established as parameter is not regulated under HSRA.

BOLD = Analytical Detection above Reporting Limit

= Exceeds VRP Delineation and Cleanup Levels for Groundwater.

= Exceeds VRP Delineation Level for Groundwater.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-1 31 to 41 ft bg												MW-1R 31 to 41 ft bg													MW-2 30 to 40 ft bg												
				May-88	Oct-88	Jun-05	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	May-88	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09
Volatile Organics, Method 8260																																											
Acetone	4,000	nc[c]	nc	na[b]	na	< 2.6	< 100	< 10	na	< 10	< 100	< 5	< 100	< 20	< 20	< 20	< 50	< 20	< 50	320	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	< 2.6	< 100	< 10	na	< 100	< 100	< 5	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50	< 50
Benzene	5	4.4	8.7	< 5	< 10	< 0.3	< 2	0.29	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	0.4 E	< 2	0.48	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Bromodichloromethane	100	nc	nc	nr[a]	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc	na	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100	17	< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100	< 10	< 10	< 10	< 50	< 10	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na
sec-Butylbenzene	5	626	4,088	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na
Carbon disulfide	4,000	nc	nc	na	na	na	< 10	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 10	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	4.9	10																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0																			
Chlorobenzene	100	27	136	< 5	< 10	< 0.60	< 10	< 0.25	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.60	< 10	3.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Chloroethane	10	nc	nc	< 10	< 20	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.3	< 5	< 0.37	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	15	< 10	< 0.7	< 2	0.2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6	4.3 Jc	1.4 E	< 2	0.78	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Dibromochloromethane	100	nc	nc	< 5	< 10	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	< 5	< 10	na	< 10	NAV[d]	5	8	7	na	9	< 5	11	8.2	7.6	11	< 5.0	7.3	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	19	NAV	4 J	< 5	7	na	33	6.4	8	13	36	55	12	< 5.0	< 5.0
1,3-Dichlorobenzene	600	nc	nc	< 5	< 10	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73	< 5	< 10	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	NAV	< 5	< 5	< 5	na	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	4,000	nc	nc	5	20	2.3 Ei	< 2	< 0.15	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	190	150	91	110	46	19	15	15	< 5	140	36	34	16	37	58	22	15	< 5.0
1,2-Dichloroethane	5	1.6	2.9	< 5	< 10	< 0.5	< 2	< 0.12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.5	< 2	< 0.12	< 5	< 5	< 5	16	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	7	103	524	230	< 10	2.4 E	< 2	< 0.48	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	18	110	63	58	24	18	12	13	14	69	34	17	14	24	42	15	15	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	na	na	na	27	na	14	19	10	na	5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	320	na	101	101	117	na	961	160	160	150	290	480	160	110	< 5.0
trans-1,2-Dichloroethene	100	32	161	na	350	na	< 2	< 5	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	7.2	na	12	28	< 5	< 5	5	na	50	< 5	< 5	7.2	13	11	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	na	350	na	29	<5	19	24	15	9.2	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	7.2	180	332	28	106	106	122	55	1,011	165	165	157.2	303	491	165	115	< 10
Ethylbenzene	700	nc	nc	< 5	< 10	< 1.0	< 2	< 0.34	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 1.0	< 2	< 0.34	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Isopropylbenzene	5	207	nc	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	5	200	1,010	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na
Methylene chloride	5	nc	nc	< 5	13	< 2.8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	9.2	12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Naphthalene	20	nc	nc	na	na	na	< 10	NAV	< 5	< 5	< 5	na	< 5	na	na	na	na	na					na	na	na	na	na	na	na	na	na	na	< 10	NAV	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na
Styrene	100	nc	nc	na	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 0.4	< 25	< 0.13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Tetrachloroethene	5	1.3	3.9	36	51	43	17	13	13	12	8	19	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	88	88	160	120	46	34	28	32	16	34	14	9.7	5.8	11.0	9.2	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc	< 5	< 10	< 0.9	< 2	0.56	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.9	< 2	0.78	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	200	nc	nc	< 5	28	< 0.4	< 2	< 0.25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	210	210	60	130	37	28	20	26	38	118	47	59	< 5	28	52	18	15	< 5.0
1,1,2-Trichloroethane	5	nc	nc	< 5	< 10	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	44	58	37	16	11	8	6	< 5	5.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	19	8.3	100	200	156	81	63	81	65	433	120	130	66	150	200	51	48	< 5.0
Trichlorofluoromethane	2,000	nc	nc	< 10	< 10	na	< 10	< 0.22	< 5	< 5	< 5	na	6	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	< 0.22	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene				na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	< 5	< 5	< 5					na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	< 5	< 5	< 5	na	na	na
1,3,5-Trimethylbenzene				na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	< 5	< 5	< 5					na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na
Vinyl Chloride	2	1.1	3.3	< 10	< 20	< 1.7	< 10	< 0.61	< 2	< 2	< 2	< 5	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 10	7.2	< 10	< 0.61	< 2	< 2	< 2	< 5	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0
m&p-Xylene	nc	nc	nc	na	na	na	< 5	na	< 5	< 5	< 5	na	< 10	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	< 5	na	< 5	< 5	< 5	na	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-Xylene	nc	nc	nc	na	na	na	< 5	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 5	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Total Xylene	10,000	nc	nc	na	na	< 0.2	< 5	1.1	< 5	< 5	< 5	< 5	< 15	< 5	<10	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 15	< 15	na	na	na	< 5	0.59	< 5	< 5	< 5	< 5	< 15	< 5	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na						na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na																
1,2-Dichlorobenzene	600	nc	nc				< 10	< 10	< 10	NASV[f]	NASV																						< 10	14	< 10	NASV	NASV												
1,3-Dichlorobenzene	600	nc	nc				< 10	< 10	< 10	NASV	NASV																						< 10	< 10	< 10	NASV	NASV												
1,4-Dichlorobenzene	75	nc	nc				< 10	< 10	< 10	NASV	NASV																						< 10	< 10	< 10	NASV	NASV												
2,4-Dimethylphenol	700	nc	nc				< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10	< 10	< 10												
Bis(2-Ethylhexyl)phthalate	6	nc	nc				< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10	< 10	< 10												
2-Methylnaphthalene							< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10	< 10	< 10												
2-Methylphenol (o-cresol)	10	nc	nc				< 10	na	< 10	< 10	< 10																						< 10	na	< 10	< 10	< 10												
4-Methylphenol (m&p-cresol)	10	nc	nc				< 10	na	< 10	< 10	< 10																						< 10	na	< 10	< 10	< 10												
Cresol (o,m,p)	10	nc	nc				< 20	< 10	< 20	< 20	< 20																						< 20	< 10	< 20	< 20	< 20												
Naphthalene	20	nc	nc				< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10	< 10	< 10												
Metals, Method 6010B/7470A				na	na																na														na												
Barium	2,000	nc	nc			< 2	10	< 200	na	81	31	< 20	< 30	< 20	< 20	25.8	< 20	395	na	na		na										< 2	280	220		196	208	145	100	152	186	103	< 20	60.7			
Cadmium	5	7.8	51			< 4	na	na	na	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	na	na		na										< 4	na	na		< 5	5	< 10	18	12.5	8.8	< 5	< 5	< 5			
Chromium	100	47	310			< 3	< 10	na	na	17	< 10	< 10	25	< 10	44.7	14.5	< 10	1,320	3,810	< 10		na										< 3	< 10	na		< 10	< 10	< 10	< 10	19.8	< 10	< 10	< 10			
Copper	1,300	630	4,090			na	30	< 25	na	53	40	< 10	67	14	28.6	< 10	< 10	158	na	na		na										na	< 20	50		< 20	< 20	< 10	39	40.5	32.8	15.6	< 10	17.6			
Lead	15	15	15			< 19	< 25	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15.4	< 10	< 10		na										< 19	< 25	na		< 10	< 10	< 10	30	12.5	12.3	< 10	< 10	< 10			
Manganese	ne	ne	ne			na	na	na	na	na	na	na	na	na	na	na	na	na	na	na		na										na	na	na		na	na	na	na	na	na	na			
Nickel	100	310	2,040			na	140	110	na	210	179	124	136	75.9	164	97	100.0	1120	na	na		47.3										na	80	60		57	223	47	623	379	301	186	100	263			
Zinc	2,000	4,700	nc			na	50	30	na	58	< 20	23.3	42	< 20	21	20.5	< 20	130	na	na		na										na	30	120		30	35	< 20	150	101	112	49.5	< 20	80.7			

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.
[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-2 30 to 40 ft bg										MW-3 35 to 45 ft bg										MW-3R 45 to 55 ft bg																				MW-4 31 to 41 ft bg						
				Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	May-88	Oct-88	Jun-05	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	May-88	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01
Volatile Organics, Method 8260																					ns[e]	ns																										
Acetone	4,000	nc[g]	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	< 2.6	< 100	< 10	na	< 100	< 100	< 5			< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	8.0 E	< 10,000	29	na	< 100	< 100	< 5
Benzene	5	4.4	8.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.3	< 2	< 0.20	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	1.3	< 200	0.5	< 5	< 5	< 5	< 5
Bromodichloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	nr	nr	< 1,000	< 0.19	< 5	< 5	< 5	< 5
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10			< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	< 12.0	< 10,000	< 10	na	< 100	< 100	< 10
n-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	na	< 5	11	< 5	na
sec-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	na	< 5	< 5	< 5	na
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	< 5.0	5.8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 10	< 5	na	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 1,000	< 5	na	< 5	< 5	< 5
Carbon Tetrachloride	5	4.9	10		< 5.0	< 5.0	5.8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0																			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0									
Chlorobenzene	100	27	136	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.60	< 10	< 0.25	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	9.9	< 1,000	28	12	47	39	95
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 400	< 1.3	< 500	< 0.37	< 10	< 10	< 10	< 5
Chloroform	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 0.7	< 2	< 0.19	< 5	< 5	< 5	< 5			16	5.1	5.6	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	26	53 J	8.6	< 200	0.5	< 5	< 5	< 5	< 5
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.6	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	< 0.6	< 1,000	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	600	nc	nc	8.8	9.5	< 5.0	9.8	5.2	9.0	<5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	NAV	< 5	< 5	< 5	na			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	na	1,200	NAV	500	1050	886	na
1,3-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	NAV	< 5	< 5	< 5	na			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	na	< 1,000	NAV	147	359	175	na
1,4-Dichlorobenzene	75	35	73	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	NAV	< 5	< 5	< 5	na			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	na	< 1,000	NAV	94	149	136	na
1,1-Dichloroethane	4,000	nc	nc	22	25	29	33	24	29	55	< 5.0	< 5.0	19	< 5	1.3 J	< 0.8	< 2	< 0.15	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	51	< 200	12	< 200	4.9	< 5	5	< 5	< 5
1,2-Dichloroethane	5	1.6	2.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.5	< 2	< 0.12	4 J	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	25	< 200	0.7 E	< 200	0.26	< 5	< 5	< 5	< 5
1,1-Dichloroethene	7	103	524	22	23	26	17	16	14	12	< 5.0	8.6	20	< 5	< 5	1.3 E	< 2	0.74	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	22	< 2	9	4 J	17	12	17
cis-1,2-Dichloroethene	70	156	1,020	250	300	230	420	270	350	660	17	43	200	na	na	15	110	na	< 5	< 5	8	na			< 5	5.7	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	40,000	na	10,100	20,700	35,300	67,000
trans-1,2-Dichloroethene	100	32	161	5.0	6.9	5.6	43	< 5.0	< 5.0	6	< 5.0	< 5.0	< 5.0	na	43	1.8 E	< 2	1.8	< 5	< 5	< 5	na			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	14,000	na	300	190	73	372	234	< 5
Total 1,2-Dichloroethene[h]	105	192	1,160	255	306.9	235.6	463	275	355	665.6	22	48	< 5.0	na	43	16.8 E	112	1.8	< 10	< 10	13	< 5			< 10	10.7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	14000	56,000	40,300	190	10,173	21,072	35,534	67,005
Ethylbenzene	700	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 1.0	< 2	0.88	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	110	< 200	150	< 200	56	9	27	23	7.1
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 10	na	< 5	< 5	< 5	na			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 1,000	na	5	10	13	na
p- Isopropyl toluene	5	200	1,010	na	na	na	na	na	na	na	na	na	< 5.0	na	na	na	< 10	na	< 5	< 5	< 5	na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	na	< 5	< 5	< 5	na
Methylene chloride	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	8.5	11 E	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	110	360	< 2.8	< 500	< 5	< 5	< 5	< 5	< 5
Naphthalene	20	nc	nc	na	na	na	na	na	na	na	na	na	< 5.0	na	na	na	< 10	NAV	< 5	< 5	< 5	na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	NAV	< 5	< 5	< 5	na
Styrene	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 0.4	< 500	< 0.13	< 5	< 5	< 5	< 5
Tetrachloroethene	5	1.3	3.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	9	9.3	16	42	15	10	11	16	5.7			< 5	5.1	8	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	200	590	3,100	20,000	690	36	994	228	3000
Toluene	1,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.9	< 2	0.53	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	32	< 200	110	< 200	14	5	20	16	22
1,1,1-Trichloroethane	200	nc	nc	23	36	40	34	28	26	35	< 5.0	8.5	23	< 5	< 5	< 0.4	< 2	< 0.25	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	< 0.4	< 200	1.1	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 200	< 0.9	< 200	17	< 5	< 5	< 5	< 5
Trichloroethene	5	18	35	84	96	98	87	73	68	49	< 5.0	13	44	11	7.2	5.6	69	14	< 5	< 5	5	< 5			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	14,000	20,000	26,000	1,300	45	1,360	218	3,600
Trichlorofluoromethane	2,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	< 0.22	< 5	< 5	< 5	na			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 200	na	< 1,000	< 0.22	< 5	< 5	< 5	na
1,2,4-Trimethylbenzene				na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na			na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	na	23	43	45	na
1,3,5-Trimethylbenzene				na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na			na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	na	< 5	< 5	< 5	na
Vinyl Chloride	2	1.1	3.3	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 10	< 1.7	< 10	< 0.61	< 2	< 2	< 2	< 5			< 5	< 5	< 2	< 5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 400	2.3 E	< 1,000	8.5	3	10	5	< 5
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	na	na	na	< 5	na	< 5	< 5	< 5	na			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	< 500	na	< 5	7	6	na
o-Xylene	nc	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 5	na	< 5	< 5	< 5	na			< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 500	na	27	71	63	na
Total Xylene	10,000	nc	nc	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 10	< 10	na	na	< 0.2	< 5	1.5	< 5	< 5	< 5	< 5			< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	na	na	520	< 500	110	27	78	69	71
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	na	na							na	ns	ns	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na								na
1,2-Dichlorobenzene	600	nc	nc														< 10	< 10	< 10	NASV	NASV																					1,100	370	291	NASV	NASV	
1,3-Dichlorobenzene	600	nc	nc														< 10	< 10	< 10	NASV	NASV																					380	100	148	NASV	NASV	
1,4-Dichlorobenzene	75	nc	nc														< 10	< 10	< 10	NASV	NASV																					300	74	60	NASV	NASV	
2,4-Dimethylphenol	700	nc	nc														< 10	< 10	< 10	< 10	< 10																					< 100	< 10	< 10	< 10	< 10	
Bis(2-Ethylhexyl)phthalate	6	nc	nc														< 10	< 10	< 10	< 10	< 10																					< 100	< 10	< 10	< 10	< 10	
2-Methylnaphthalene																	< 10	< 10	< 10	< 10	< 10																					< 100	< 10	< 10	< 10	< 10	
2-Methylphenol (o-cresol)	10	nc	nc														< 10	na	< 10	< 10	< 10																					< 100	na	< 10	< 10	< 10	
4-Methylphenol (m&p-cresol)	10	nc	nc														< 10	na	< 10	< 10	< 10																					< 100	na	< 10	< 10	< 10	
Cresol (o,m,p)	10	nc	nc														< 20	< 10	< 20	< 20	< 20																					< 200	< 10	< 20	< 20	< 20	
Naphthalene	20	nc	nc														< 10	< 10	< 10	< 10	< 10																					< 100	11	< 10	< 10	< 10	
Metals, Method 6010B/7470A				na	na	na	na	na	na	na	na	na		na	na				na				ns	ns					na	na	na	na	na	na	na	na	na	na	na	na								
Barium	2,000	nc	nc													< 2	30	< 200		92	186	32.8			21.6	48.5	< 20	40.1													< 2	40	< 200	na	164	286	61.2
Cadmium	5	7.8	51													< 4	na	na		< 5	< 5	< 10			< 5	< 5	< 5	< 5													< 4	na	na	na	< 5	27	< 10
Chromium	100	47	310													< 3	< 10	na		< 10	14	< 10			< 10	17.1	< 10	< 10													< 3	< 10	na	na	16	33	< 10
Copper	1,300	630	4,090													na	< 20	< 25		< 10	< 20	< 10			< 10	< 10	< 10	22.5													na	< 20	< 25	na	56	354	< 10
Lead	15	15	15													< 19	< 25	na		< 10	< 10	< 10			< 10	< 10	< 10	< 10													< 19	< 25	na	na	24	62	< 10
Manganese	ne	ne	ne													na	na	na		na	na	na			na	na	na	na													na	na	na	na	na	na	na
Nickel	100	310	2,040													na	< 20	< 40		< 20	< 20	< 20			< 20	< 20	< 20	< 20													na	320	210	na	188	269	412
Zinc	2,000	4,700	nc													na	< 20	110		33	141	< 20			< 20	< 20	< 20	< 20													na	40	60	na	92	260	27.7

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.
[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-4 31 to 41 ft bg		MW-4a 36 to 46 ft bg													IW-4 44 to 49 ft bg													MW-4b 96 to 101 ft bg																	
				May-02	Sep-03	May-04	May-05	Jul-06	Apr-07	May-07	Oct-07	Apr-08	Oct-09	Apr-10	Oct-10	Apr-11	Oct 11 - Apr 13	Oct-13	Apr-14	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Nov-11	Apr-12	Oct-12	Apr-13	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14
Volatile Organics, Method 8260				ns	ns						ns	ns	ns				ns							ns	ns	ns			ns																		
Acetone	4,000	nc[c]	nc			< 20	< 50	< 50	< 50	< 50				< 50	< 50	< 50		< 50	< 50	560	130	< 500	< 50				< 5,000	< 50	< 50		<50	< 20	< 50	< 50	< 20	< 50	58.0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	100	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	8.9	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc			< 10	< 50	< 50	< 50	< 50				< 50	< 50	< 50		< 50	< 50	66.0	< 50	< 500	< 50				< 5,000	< 50	< 50		<50	100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088			na	na	na	na	na				na	na	na		na	na				na				na	na	na		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
sec-Butylbenzene	5	626	4,088			na	na	na	na	na				na	na	na		na	na				na				na	na	na		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Carbon disulfide	4,000	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.1		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	4.9	10											< 5.0	< 5.0	< 5.0		< 5.0	< 5.0								< 500	< 5.0	< 5.0		<5.0											< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	100	27	136			< 5	18	13	12	< 5				7.2	8.6	7.2		5.6	5.1	9.1	6.8	< 50	10				< 500	8.2	< 5		5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	10	nc	nc			< 10	< 10	< 10	< 10	< 10				< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 100	< 10				< 1,000	< 10	< 10		<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	63	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	100	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc			61	630	320	340	70				420	350	150		350	300	330	270	210	310				< 500	310	210		240	< 5	< 5	7.2	8.2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	600	nc	nc			16	220	120	120	22				150	130	51		160	110	150	120	86	190				< 500	160	85		110	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73			9.4	150	74	67	12				86	76	28		81	69	74.0	65.0	54.0	90				< 500	90	54		67	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	4,000	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	6.4	< 5.0		6.8	5.8	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	12		7.1	< 5	< 5	11	12	14	9	12	8.9	13	9.2	7.7	5.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	5	1.6	2.9			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	7	103	524			< 5	< 5	5.5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020			10,000	16,000	20,000	97,000	9,200				8,500	8,700	12,000		7,400	6,300	< 5.0	16,000	12,000	13,000				8,200	9,800	8,400		7,400	7.5	190	660	380	< 5.0	120	< 5.0	< 5.0	< 5.0	15	62	37	7	25	15	< 5.0	< 5.0
trans-1,2-Dichloroethene	100	32	161			44	120	100	130	69				48	87	43		48	36	< 5.0	130	96.0	110				< 500	61	46		47	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160			10,044	16,120	20,100	97,130	9,269				8,548	8,787	12,043		7,448	6,336	< 10	16,130	12,096	13,110				8,700	9,861	8,446		7,447	12.5	195	665	385	< 10	125	< 10	< 10	< 10	20	67	42	12	30	20	< 10	< 10
Ethylbenzene	700	nc	nc			< 5	8.1	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	5	207	nc			< 5	14	9.8	9	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	16.0	< 50	< 5.0				< 500	< 5.0	6.4		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyl toluene	5	200	1,010			na	na	na	na	na				na	na	na		na	na								na	na	na		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Methylene chloride	5	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	20	nc	nc			na	na	na	na	na				na	na	na		na	na	na	na	na					na	na	na		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Styrene	100	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	5	1.3	3.9			5.3	24	5.4	21	27				20	23	11		18	11	54	110	200	820				< 500	410	93		52	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	200	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	5	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35			12	29	13	44	65				36	39	25		37	19	< 5.0	150.0	420	1,600				< 500	420	110		62	< 5	< 5	5.1	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	2,000	nc	nc			< 5	< 5	< 5	< 5	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene						na	na					na	na	na	na	na		na	na									na			na	na																
1,3,5-Trimethylbenzene						na	na					na	na	na	na	na		na	na									na			na	na																
Vinyl Chloride	2	1.1	3.3			5.4	6.1	9.4	7	< 2				< 2.0	6.4	< 2.0		3.6	3.4	< 2.0	4.2	< 50	< 2.0				< 200	< 2.0	3.4		4.7	< 5	< 2	8	10	3.2	7.2	< 2.0	< 2.0	< 2.0	9.7	9.7	13	< 2.0	2.1	18	< 2.0	< 2.0
m&p-Xylene	nc	nc	nc			< 10	< 10	< 10	< 10	< 10				< 10	< 10	< 10		< 5.0	< 5.0	< 10	< 10	< 100	< 10				< 500	< 10	< 10		<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	nc	nc	nc			< 5	31	5.5	5.4	< 5				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	9.3	< 50	< 5.0				< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	10,000	nc	nc			< 15	31	5.5	5.4	< 15				< 15	< 15	< 15		< 10	< 10	< 15	9.3	< 150	< 15				< 1,000	< 15	< 15		<10	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 10	< 10
Semi-Volatile Organics, Method 8270				ns	ns	na	na	na	na	na	ns	ns	ns	na	na	na	ns	na	na	na	na	na	na	ns	ns	ns	na	na	na	ns	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene	600	nc	nc																																													
1,3-Dichlorobenzene	600	nc	nc																																													
1,4-Dichlorobenzene	75	nc	nc																																													
2,4-Dimethylphenol	700	nc	nc																																													
Bis(2-Ethylhexyl)phthalate	6	nc	nc																																												
2-Methylnaphthalene																																															
2-Methylphenol (o-cresol)	10	nc	nc																																												
4-Methylphenol (m&p-cresol)	10	nc	nc																																												
Cresol (o,m,p)	10	nc	nc																																												
Naphthalene	20	nc	nc																																												
Metals, Method 6010B/7470A				na	ns						ns	ns	ns				ns							ns	ns	ns			ns																		
Barium	2,000	nc	nc			41.1	na	28.1	< 20	245				0.0	0.0	0.0											na	na	na		na	26.3	20.1	31	23.7														
Cadmium	5	7.8	51			< 5	na	< 5	86.6	52.7				0.0	0.0	0.0							< 5				na	na	na		na	< 5	< 5	< 5	< 5														
Chromium	100	47	310			< 10	< 10	< 10	< 10	60.5				0.0	0.0	0.0							na				na	na	na		na	10.1	21.8	< 10	< 10														
Copper	1,300	630	4,090			< 10	na	< 10	1,920	1,640				0.0	0.0	0.0							na				na	na	na		na	< 10	< 10	34.6	< 10														
Lead	15	15	15			< 10	< 10	< 10	< 10	46.2				na	na	na							< 10				na	na	na		na	< 10	< 10	< 10	< 10														
Manganese	ne	ne	ne			na	na	na	na	na				58,700	23,800	21,400											11,900	na	95,700		26,100	na	na	na	na														
Nickel	100	310	2,040			522	na	467	501	472				na	na	na							na				na	na	na		na	< 20	205	53.2	584														
Zinc	2,000	4,700	nc			154	na	< 20	1,920	1,360				na	na	na							77.3				na	na	na		na	< 20	< 20	88.8	28.8														

[a] "nr" = Analytical reports not available to determine detection limits.
[v] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.

[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-5 28 to 58 ft bg																								MW-6 25 to 45 ft bg															
				Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10
Volatile Organics, Method 8260																																												
Acetone	4,000	nc[c]	nc	nr	< 2.6	< 100	< 10	na	< 100	< 100	< 5	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	69	< 500	56	na	< 100	< 100	< 5	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7	nr	< 0.3	< 2	0.22	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	7.1	12	49	41	22	16	37	16	5.3	7.4	< 5	6.2	< 5	< 5.0	< 5.0	< 5.0	< 5.0	5.5	12.0
Bromodichloromethane	100	nc	nc	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	nr	< 50	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc	nr	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100	< 10	< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	22 E	< 500	< 10	na	< 100	< 100	< 10	< 100	< 10	< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088	nr	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 50	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na
sec-Butylbenzene	5	626	4,088	nr	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 50	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na
Carbon disulfide	4,000	nc	nc	nr	na	< 10	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 50	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	4.9	10																		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0																		< 5.0	< 5.0
Chlorobenzene	100	27	136	nr	< 0.60	< 10	< 0.25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	0.416	< 50	1.0	< 5	< 5	< 5	23	52	9.0	17	22	52	< 5	< 5.0	24.0	< 5.0	15	49	86
Chloroethane	10	nc	nc	nr	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 400	< 1.3	< 25	1.5	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	nr	< 0.7	< 2	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	53 J	< 0.7	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	17	< 5	< 5	< 5	< 5	6.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	100	nc	nc	nr	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 0.6	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	na	< 50	NAV	50	73	60	na	15	8.8	20	8.3	9.7	< 5	< 5.0	7.3	< 5.0	< 5.0	5.8	6.9
1,3-Dichlorobenzene	600	nc	nc	nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	na	< 50	NAV	7	10	7	na	10	< 5	5	< 5	8.5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	9.9
1,4-Dichlorobenzene	75	35	73	nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	na	< 50	NAV	10	14	21	na	14	< 5	7	5.7	12	< 5	< 5.0	6.1	< 5.0	< 5.0	8.3	14.0
1,1-Dichloroethane	4,000	nc	nc	nr	< 0.8	< 2	< 0.15	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 0.8	< 10	< 0.15	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	5	1.6	2.9	nr	< 0.5	< 2	< 0.12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 0.5	< 10	0.83	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	7	103	524	nr	< 0.9	< 2	< 0.48	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 0.9	< 10	< 0.48	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	nr	na	2	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	550	na	873	739	399	na	480	140	82	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 5.0
trans-1,2-Dichloroethene	100	32	161	nr	na	< 2	< 0.23	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	320	na	< 10	9.5	6	5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	nr	< 1.3	4	< 0.23	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	320	1400	560	9.5	879	744	404	730	485	145	87	< 10	< 10	< 10	< 10	< 10	< 10	< 10	11.2	< 10
Ethylbenzene	700	nc	nc	nr	< 1.0	< 2	0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	110	28	83	58	63	45	83	56	14	31	25	50	< 5	< 5.0	24.0	< 5.0	7.2	32	90
Isopropylbenzene	5	207	nc	nr	na	< 10	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 50	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	5	200	1,010	nr	na	< 10	na	< 5	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 50	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na
Methylene chloride	5	nc	nc	nr	< 2.8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	340	< 2.8	< 25	< 5	< 5	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	20	nc	nc	nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 50	NAV	38	15	10	na	19	na	na	na	na	na	na	na	na	na	na	na
Styrene	100	nc	nc	nr	< 0.4	< 5	0.32	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	< 0.4	< 25	< 0.13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	5	1.3	3.9	nr	< 0.9	< 2	0.38	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 0.9	< 10	0.37	< 5	< 5	< 5	5.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc	nr	< 0.9	< 2	0.46	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	9.1	< 10	8.4	5	5	< 5	< 5	< 5	< 5	< 5	< 5	7.3	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.1
1,1,1-Trichloroethane	200	nc	nc	nr	< 0.4	< 2	< 0.25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 0.4	< 10	< 0.25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	5	nc	nc	nr	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	< 0.9	< 10	< 0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	nr	< 0.6	2	0.49	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	1.0 E	< 10	0.75	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	2,000	nc	nc	nr	na	< 10	< 0.22	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 200	na	< 50	< 0.22	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene				nr	na	< 10	na	< 5	< 5	< 5	na	25	na	na				na	na	na	na	na	na	na	na	na	na	na	na	na	< 50	na	24	20	14	na	21	na	na				na	na	na	na	na	na
1,3,5-Trimethylbenzene				nr	na	< 10	na	< 5	< 5	< 5	na	8	na	na				na	na	na	na	na	na	na	na	na	na	na	na	na	< 50	na	6	5	< 5	na	5	na	na				na	na	na	na	na	na
Vinyl Chloride	2	1.1	3.3	nr	< 1.7	< 10	< 0.61	< 2	< 2	< 2	< 5	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 400	< 1.7	< 50	4	3	11	7	< 5	7	< 5	20	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	4.1	< 2.0
m&p-Xylene	nc	nc	nc	nr	na	< 5	na	< 5	< 5	< 5	na	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	na	na	46	na	209	252	164	na	229	56	130	80	190	< 10	< 10	16.0	< 10	< 10	84	310
o-Xylene	nc	nc	nc	nr	na	< 5	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	72	na	71	75	57	na	69	20	45	27	60	< 5	< 5.0	8.1	< 5.0	6.1	24	100
Total Xylene	10,000	nc	nc	nr	< 0.2	< 5	1.38	< 5	< 5	< 5	< 5	< 15	< 5	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 15	na	580	120	520	280	327	221	350	298	76	175	107	250	< 15	< 15	24.1	< 15	6.1	108	410
Semi-Volatile Organics, Method 8270				nr	na						na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na						na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene	600	nc	nc			< 10	< 10	< 10	NASV	NASV																				30	33	49	NASV	NASV														
1,3-Dichlorobenzene	600	nc	nc			< 10	< 10	< 10	NASV	NASV																				< 10	< 10	< 10	NASV	NASV														
1,4-Dichlorobenzene	75	nc	nc			< 10	< 10	< 10	NASV	NASV																				< 10	< 10	10	NASV	NASV														
2,4-Dimethylphenol	700	nc	nc			< 10	< 10	< 10	< 10	< 10																				23	32	99	34	< 10														
Bis(2-Ethylhexyl)phthalate	6	nc	nc			< 10	< 10	< 10	< 10	< 10																				< 10	< 10	< 10	< 10	< 10														
2-Methylnaphthalene						< 10	< 10	< 10	< 10	< 10																				< 10	14	14	< 10	< 10														
2-Methylphenol (o-cresol)	10	nc	nc			< 10	na	< 10	< 10	< 10																				54	na	104	30	< 10														
4-Methylphenol (m&p-cresol)	10	nc	nc			< 10	na	< 10	< 10	< 10																				< 10	na	93	< 10	< 10														
Cresol (o,m,p)	10	nc	nc			< 20	< 10	< 20	< 20	< 20																				54	140	197	30	< 20														
Naphthalene	20	nc	nc			< 10	< 10	< 10	< 10	< 10																				< 10	62	59	< 10	< 10														
Metals, Method 6010B/7470A				nr														na	na	na	na	na	na	na	na	na	na	na					na														
Barium	2,000	nc	nc		< 2	< 10	< 200	na	25	< 20	39.4	< 20	< 20	< 20	< 20	< 20	< 20												< 2	70	< 200		158	147	62.4	51	53.7	67.6	60.0	44.4	51.9							
Cadmium	5	7.8	51		< 4	na	na	na	6	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5												< 4	na	na		< 5	6	< 10	< 5	< 5	7	< 5	< 5	< 5							
Chromium	100	47	310		< 3	< 10	na	na	< 10	< 10	< 10	< 10	< 10	< 10	10.5	23.5	< 10												< 3	< 10	na		< 10	< 10	< 10	< 10	< 10	17.4	< 10	< 10	< 10							
Copper	1,300	630	4,090		na	< 20	< 25	na	< 20	< 20	39.6	< 20	< 10	< 10	< 10	< 10	< 10												na	< 20	< 25		< 20	< 20	< 10	< 20	< 10	25.2	< 10	< 10	< 10							
Lead	15	15	15		< 19	< 25	na	na	< 10	< 10	12.1	< 10	< 10	< 10	< 10	< 10	< 10												< 19	< 25	na		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Manganese	ne	ne	ne		na	na	na	na	na	na	na	na	na	na	na	na	na												na	na	na		na	na	na	na	na	na	na	na	na							
Nickel	100	310	2,040		na	< 20	< 40	na	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20												na	40	80		80	62	39.1	100	< 20	61.1	< 20	65.1	< 20							
Zinc	2,000	4,700	nc		na	< 20	70	na	47	< 20	44.3	< 20	< 20	< 20	< 20	< 20	< 20												na	< 20	50		95	94	< 20	< 20	< 20	138	< 20	< 20	< 20							

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.

[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-6 25 to 45 ft bg							MW-7 35 to 55 ft bg											MW-7R 45 to 55 ft bg																	MW-8 35 to 55 ft bg										
				Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-08	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	May-05
Volatile Organics, Method 8260																																														
Acetone	4,000	nc[c]	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	< 2.6	< 100	< 10	na	< 100	< 100	< 5	< 100	na	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	22	< 100	< 10	na	< 100	< 100	< 5	< 100	< 20	< 20	< 50
Benzene	5	4.4	8.7	5.6	7.6	9.2	7.5	< 5.0	< 5.0	< 5.0	< 5	< 0.3	< 2	0.27	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	1.7	< 2	1.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100		< 10	< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100	< 10	< 10	< 5
n-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
sec-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 10	< 5	na	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 10	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Tetrachloride	5	4.9	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0																			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0												
Chlorobenzene	100	27	136	36	67	75.0	84.0	20	6	9.7	< 5	< 0.60	< 10	< 0.25	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	2.5	< 10	9.9	7	11	16	< 5	< 5	< 5	< 5	< 5
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	1.3 J	< 0.7	< 2	0.60	< 5	< 5	< 5	< 5	10		40	45	27	38	23	29	40	25	21	19	19	20	19	17	22	12	3.1 J	9.8	< 2	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	< 5	na		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	180	NAV	280	339	374	na	17	170	160	75
1,3-Dichlorobenzene	600	nc	nc	< 5.0	6.4	8.6	9.6	< 5.0	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	120	NAV	81	92	129	na	< 5	58	47	26
1,4-Dichlorobenzene	75	35	73	6.0	10	11	13	< 5.0	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	62	NAV	50	60	79	na	< 5	37	30	16
1,1-Dichloroethane	4,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.8	< 2	< 0.15	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	92	12	120	106	117	36	< 5	46	55	43	20
1,2-Dichloroethane	5	1.6	2.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.5	< 2	< 0.12	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	3.9	< 2	2.9	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	7	103	524	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.9	< 2	< 0.48	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	26	12	17	16	16	8	< 5	< 5	6.1	< 5	< 5
cis-1,2-Dichloroethene	70	156	1,020	6.2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	12	na	na	5	na	< 5	< 5	< 5	na	24		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	14,000	na	13,300	18,700	11,200	na	7,020	9,100	8,100	3,400
trans-1,2-Dichloroethene	100	32	161	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	< 2	< 0.23	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	200	170	111	154	92	na	23	90	59	27
Total 1,2-Dichloroethene[h]	105	192	1,160	11.2	< 10	< 10	< 10	< 10	< 10	< 10	< 5	4.5 E	7	< 0.23	< 10	< 10	< 10	< 10	29		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	21,000	14200	170	13411	18854	11,292	1,900	7043	9,190	8,159	3,427
Ethylbenzene	700	nc	nc	18	46	59	57	5.2	< 5.0	< 5.0	< 5	< 1.0	< 2	< 0.34	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	2.6 E	< 2	1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	< 5.0	5.8	< 5.0	< 5.0	< 5.0	na	na	< 10	na	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 10	na	8	10	5	na	< 5	< 5	< 5	< 5
p- Isopropyl toluene	5	200	1,010	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
Methylene chloride	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 7.1	6.9 E	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	11 B	7.5 E	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	20	nc	nc	na	na	na	na	na	na	na	na	na	< 10	NAV	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	NAV	< 5	< 5	< 5	na	< 5	na	na	na
Styrene	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	1.3	3.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.5	1.7 E	< 2	0.51	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	790	1,800	180	112	200	616	280	6	170	81	100
Toluene	1,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.9	< 2	0.5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	3.5	< 2	1.8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,1-Trichloroethane	200	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.4	< 2	< 0.25	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	3.3	7	1.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	2.8 E	< 2	1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethene	5	18	35	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	5.1	< 2	0.62	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	4,600	4,500	880	362	481	1,210	240	28	310	360	200
Trichlorofluoromethane	2,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	< 10	< 0.22	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	< 10	< 0.22	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene				na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na				na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
1,3,5-Trimethylbenzene				na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na				na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
Vinyl Chloride	2	1.1	3.3	< 2.0	< 2.0	< 2.0	<2.0	<2.0	< 2.0	< 2.0	< 10	< 1.7	< 10	< 0.61	< 2	< 2	< 2	< 5	< 2		< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 10	17	< 10	8	7	13	6	< 5	< 2	< 5	< 5	< 2
m&p-Xylene	nc	nc	nc	25	190	170	120 J	< 5.0	< 5.0	< 5.0	na	na	< 5	na	< 5	< 5	< 5	na	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	na	na	< 5	na	< 5	< 5	< 5	na	< 10	< 5	< 10	< 10
o-Xylene	nc	nc	nc	15	60	63	51	< 5.0	< 5.0	< 5.0	na	na	< 5	na	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 5	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5
Total Xylene	10,000	nc	nc	40	250	233	171	<10	< 10	< 10	na	0.8 E	< 5	0.76	< 5	< 5	< 5	< 5	< 15		< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	na	5.2	< 5	2.8	< 5	< 5	< 5	< 5	< 15	< 5	< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na																																				
1,2-Dichlorobenzene	600	nc	nc										< 10	< 10	< 10	NASV	NASV																					140	150	171	NASV	NASV						
1,3-Dichlorobenzene	600	nc	nc										< 10	< 10	< 10	NASV	NASV																					< 100	49	80	NASV	NASV						
1,4-Dichlorobenzene	75	nc	nc										< 10	< 10	< 10	NASV	NASV																					< 100	35	59	NASV	NASV						
2,4-Dimethylphenol	700	nc	nc										< 10	< 10	< 10	< 10	< 10																					< 100	< 10	12	< 10	< 10						
Bis(2-Ethylhexyl)phthalate	6	nc	nc										20	< 10	< 10	< 10	< 10																					< 100	< 10	< 10	< 10	< 10						
2-Methylnaphthalene													< 10	< 10	< 10	< 10	< 10																					< 100	< 10	< 10	< 10	< 10						
2-Methylphenol (o-cresol)	10	nc	nc										< 10	na	< 10	< 10	< 10																					< 100	na	< 10	< 10	< 10						
4-Methylphenol (m&p-cresol)	10	nc	nc										< 10	na	< 10	< 10	< 10																					< 100	na	< 10	< 10	< 10						
Cresol (o,m,p)	10	nc	nc										< 20	< 10	< 20	< 20	< 20																					< 200	< 10	< 20	< 20	< 20						
Naphthalene	20	nc	nc										< 10	< 10	< 10	< 10	< 10																					< 10	< 10	< 10	< 10	< 10						
Metals, Method 6010B/7470A				na	na	na	na	na	na	na	na				na																																
Barium	2,000	nc	nc								710	60	< 200		125	74	34.1	147	819	66.8	82.7	86.3	48.4	85.7													230	70	< 200	na	75	165	36.3	521	26.4	40.3	na
Cadmium	5	7.8	51								< 4	na	na		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5													< 4	na	na	na	< 5	< 5	< 10	69	< 5	< 5	na
Chromium	100	47	310								30	< 10	na		< 10	< 10	< 10	< 10	17.6	< 10	< 10	12.7	12.4	23.3													40	< 10	na	na	< 10	29	< 10	154	< 10	44.0	< 10
Copper	1,300	630	4,090								na	< 20	< 25		< 20	< 20	< 10	< 20	23.6	< 10	< 10	< 10	< 10	12.3													na	< 20	40	na	< 20	79	26.1	705	19.6	32.4	na
Lead	15	15	15								80	< 25	na		11	< 10	< 10	10	46.2	< 10	< 10	< 10	< 10	< 10													< 19	< 25	na	na	13	25	11.7	107	23.5	21.8	16.8
Manganese	ne	ne	ne								na	na	na		na	na	na	na	na	na	na	na	na	na													na	na	na	na	na	na	na	na	na	na	na
Nickel	100	310	2,040								na	< 20	< 40		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20													na	210	880	na	879	679	226	989	1,140	1,380	na
Zinc	2,000	4,700	nc								na	30	30		37	< 20	< 20	29	181	< 20	20.4	< 20	< 20	41.2													na	60	200	na	119	314	124	1,130	265	312	na

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.
[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-8 35 to 55 ft bg																		MW-9a 17 to 27 ft bg													MW-9b 53.5 to 58.5 ft bg													MW-10 24 to 34 ft bg	
				Jul-06	Apr-07	May-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Nov-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr 10 - Apr 14	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr 10 - Apr 14	Dec-01	May-02
Volatile Organics, Method 8260																															ns												ns		
Acetone	4,000	nc[c]	nc	< 50	250	93	< 50	< 50	260 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50		< 100	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50		< 100	< 100
Benzene	5	4.4	8.7	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Bromodichloromethane	100	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1,100 E	< 5.0	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 10	< 10	< 10	< 50	< 10	< 50	< 50		< 100	< 100	< 10	< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50		< 100	< 100
n-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	< 5	7	na	na	na	na	na	na	na	na	na		< 5	< 5
sec-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na		< 5	< 5
Carbon disulfide	4,000	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	33	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	13
Carbon Tetrachloride	5	4.9	10									< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0																										
Chlorobenzene	100	27	136	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	473	218	380	490	400	270	220	180	370	110	18	203	455	300	300	270	480	120	100	250	220	250		< 5	< 5
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	< 5	5.1	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0		17	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Dibromochloromethane	100	nc	nc	41	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	26	< 5	< 5	< 5	< 5	< 5.0	< 5.0		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
1,2-Dichlorobenzene	600	nc	nc	110	130	66	68	76	16 J	48	42	20	54	71.0	68	49	78	54	77	23	53	35	58	24	73	60	74	20	15	46	18	< 5.0	10	20	26	56	41	18	7	5.8	12.0	8.5	7.1		< 5	< 5
1,3-Dichlorobenzene	600	nc	nc	34	36	19	10	12	< 5.0	6.6	9.9	5.6	14.0	17.0	7.5	5.3	9.1	8.3	10	7	14	33	26	37	44	42	30	33	18	55	18	< 5.0	13	33	17	18	14	31	11	8	17	18.0	19		< 5	< 5
1,4-Dichlorobenzene	75	35	73	21	24	12	9.5	10	< 5.0	6.7	7.2	5.6	11.0	14.0	9.1	6.8	9.6	9.3	9.9	5.6	11	49	38	56	64	57	43	47	25	76	27	< 5.0	23	54	28	35	24	50	18	13	28	30.0	28		< 5	< 5
1,1-Dichloroethane	4,000	nc	nc	44	59	39	38	73	47	48	32	14	37	44.0	53	41	83	43	89	22	32	< 5	< 5	< 5	< 20	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
1,2-Dichloroethane	5	1.6	2.9	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
1,1-Dichloroethene	7	103	524	6.3	< 5	< 5	< 5	7.5	5.3	6.1	< 5.0	< 5.0	< 5.0	< 5.0	6.8	< 5.0	9.3	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
cis-1,2-Dichloroethene	70	156	1,020	9,300	< 5	< 5	4,000	4,800	6,300	8,300	4,800	1,500	4,500	8,000	18,000 E	6,100	11,000	5,000	13,000	2,400	4,600	51	52	130	38	34	23	75	17	15	7.8	5.5	222	334	1,000	1,500	1,100	200	56	10	13	16	< 5		< 5	< 5
trans-1,2-Dichloroethene	100	32	161	60	< 5	< 5	33	32	38	50	36	12	39	46	42	32	63	27	68	15	28	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	5.8	12	10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Total 1,2-Dichloroethene[h]	105	192	1,160	9360	< 10	< 10	4,033	4,832	6,338	8,350	4,836	1,512	4,539	8,046	18,042	6,132	11,063	5,027	13,068	2,415	4,628	56	57	135	43	39	28	80	22	20	12.8	10.5	227	339	1005.8	1,512	1,110	205	61	15	18	21	< 10		< 10	< 10
Ethylbenzene	700	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	10	6	< 5	5.5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	37	64	85	< 5	< 5	31	35	14	30	20.0	22		< 5	< 5
Isopropylbenzene	5	207	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	6.1	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	7	6.5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
p- Isopropyl toluene	5	200	1,010	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na		< 5	< 5
Methylene chloride	5	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Naphthalene	20	nc	nc	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	14	19	na	na	na	na	na	na	na	na	na		< 5	< 5
Styrene	100	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Tetrachloroethene	5	1.3	3.9	60	< 5	< 5	10	11	< 5.0	6.7	18	20	27	17	12	9	8.3	6.9	8.5	18.0	16	28	68	32	28	14	26	< 5	24	15.0	57.0	90	17	9	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Toluene	1,000	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	5	9	< 5	< 5	6.2	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
1,1,1-Trichloroethane	200	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
1,1,2-Trichloroethane	5	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Trichloroethene	5	18	35	130	< 5	< 5	22	20	14	18	27	21	28	20	23	21	19	12	24	17	16	5	39	7.2	10	7.8	12	9	< 5.0	11.0	11.0	5.2	7	7	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	27	12		< 5	< 5
Trichlorofluoromethane	2,000	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
1,2,4-Trimethylbenzene								na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na				na	na	na		13	26	na	na				na	na	na	na		< 5	8
1,3,5-Trimethylbenzene								na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na				na	na	na		< 5	8	na	na				na	na	na	na		< 5	< 5
Vinyl Chloride	2	1.1	3.3	7.1	< 2	< 2	4.1	5.9	3.8	6.0	3.5	< 2.0	3.5	3.3	5.9	3.8	12	2.5	11	2	3.7	< 2	< 2	< 5	< 5	< 5	< 2	< 2	3.7	< 2	< 2	< 2	3	7	10	15	< 5	2.8	24	6.7	7.7	9.1	2.8		< 2	< 2
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	11	18	< 10	< 10	< 10	< 10	< 10	< 10	< 10	40	66	200	< 10	< 10	13	21	< 10	< 10	< 10	< 10		< 10	< 10
o-Xylene	nc	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	< 5	5.9	7.5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	33	65	120	24	22	7.2	12	< 5.0	< 5.0	< 5.0	< 5.0		< 5	< 5
Total Xylene	10,000	nc	nc	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 10	< 10	5	< 10	16.9	25.5	< 10	< 15	< 15	< 15	< 15	< 15	< 10	73	131	320	24	22	20.2	33	< 15	< 15	< 15	< 15		< 10	< 10
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	ns	na	na	na	na	na	na	na	na	na	na	ns	na	na
1,2-Dichlorobenzene	600	nc	nc																																											
1,3-Dichlorobenzene	600	nc	nc																																											
1,4-Dichlorobenzene	75	nc	nc																																											
2,4-Dimethylphenol	700	nc	nc																																											
Bis(2-Ethylhexyl)phthalate	6	nc	nc																																											
2-Methylnaphthalene																																														
2-Methylphenol (o-cresol)	10	nc	nc																																											
4-Methylphenol (m&p-cresol)	10	nc	nc																																											
Cresol (o,m,p)	10	nc	nc																																											
Naphthalene	20	nc	nc																																											
Metals, Method 6010B/7470A										na						na		na				na	na	na	na	na	ns															na	na	ns		
Barium	2,000	nc	nc	63.8	< 20	46	< 20	< 20f	na		na	0.0	0.0	0.0	0.0		na		na	na	na	402	63	< 20	25.9	< 20	< 20	27.1					55	40	276	143	140	34.1	49.7	na	na				57	25
Cadmium	5	7.8	51	< 5	7.6	11.8	30.8	< 5.0	< 5.0		na	0.0	0.0	0.0	0.0		na		na	na	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5					< 5	< 5	na	< 5	< 5	< 5	< 5	na	na				< 5	< 5
Chromium	100	47	310	< 10	165	83.2	< 10	38.5	na		na	0.0	0.0	0.0	0.0		na		na	na	na	57	< 10	< 10	< 10	< 10	< 10	< 10					< 10	< 10	30.2	25.7	68.9	21.9	307	na	na				< 10	< 10
Copper	1,300	630	4,090	46.8	2,800	1970	1,470	520	na		na	0.0	0.0	0.0	0.0		na		na	na	na	72	< 20	< 10	< 10	< 10	< 10	< 10					< 20	< 20	53.8	25.6	18.7	< 10	13	na	na				< 20	< 20
Lead	15	15	15	18.4	20.4	< 10	< 10	< 10	12.1		na	na	na	na	na		na		na	na	na	28	< 10	< 10	< 10	< 10	< 10	< 10					< 10	< 10	19.6	25.1	15.7	< 10	< 10	< 10	< 10				< 10	< 10
Manganese	ne	ne	ne	na	na	na	na	na	na		na	6,920	12,600	16,900	15,600		16,800		15,700	11,100	11,600	na	na	na	na	na	na	na					na	na	na	na	na	na	na	na	na				na	na
Nickel	100	310	2,040	1,070	482	301	1,130	857	na		788	na	na	na	na		na		na	na	na	96	55	41.7	45.6	28.3	32.4	46.9					123	125	547	3,530	3,000	176	389	na	na				33	< 20
Zinc	2,000	4,700	nc	249	91	85.4	372	156	na		na	na	na	na	na		na		na	na	na	222	37	< 20	< 20	< 20	< 20	< 20					34	< 20	207	265	140	57.6	43	na	na				35	< 20

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.
[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-10 24 to 34 ft bg															MW-11 28 to 38 ft bg																			MW-12 36 to 46 ft bg								
				Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	May-07	Oct-07	Apr-08
Volatile Organics, Method 8260				na																																		ns							
Acetone	4,000	nc[c]	nc		< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 5.0	< 5.0	< 50	< 50	< 50	< 50	< 50	< 50	< 100		< 20	< 20	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Bromodichloromethane	100	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
2-Butanone	2,000	nc	nc		< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 10	< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100		< 10	< 10	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5		na	na	na	na	na	na	na
sec-Butylbenzene	5	626	4,088		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	13		na	na	na	na	na	na	na
Carbon disulfide	4,000	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Carbon Tetrachloride	5	4.9	10								< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 30								
Chlorobenzene	100	27	136		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	62	25	6.3	40	40	41	170	< 5.0	190	6.8	56	9.3	130	22.0	250	79.0	180	13	37	30	13		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Chloroethane	10	nc	nc		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Dibromochloromethane	100	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
1,2-Dichlorobenzene	600	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	9	5	< 5	< 5	< 5	< 5	5.8	< 5.0	6.1	< 5.0	< 5.0	< 5.0	5.8	< 5.0	7	< 5.0	6.5	< 5.0	< 5.0	< 5.0	63		41	28	15	22	16	36	17
1,3-Dichlorobenzene	600	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6	< 5	< 5	< 5	< 5	< 5	11	< 5.0	11.0	< 5.0	5.0	< 5.0	7.6	< 5.0	12	< 5.0	12	< 5.0	< 5.0	< 5.0	13		11	7	< 5	6	< 5	8.7	< 5.0
1,4-Dichlorobenzene	75	35	73		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	10	5	< 5	6.5	6.2	6.7	20	< 5.0	22.0	< 5.0	8.1	< 5.0	14	< 5.0	25	11	22	< 5.0	5.9	< 5.0	11		7.6	< 5	< 5	< 5	< 5	6.4	< 5.0
1,1-Dichloroethane	4,000	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		11	< 5	5.9	< 5	< 5	< 5	< 5.0
1,2-Dichloroethane	5	1.6	2.9		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
1,1-Dichloroethene	7	103	524		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
cis-1,2-Dichloroethene	70	156	1,020		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	13.0	< 5.0	< 5.0	6.9	56	< 5.0	69	10	8.9	< 5.0	45	23	3,830		120	990	390	1,200	1,400	2,000	180
trans-1,2-Dichloroethene	100	32	161		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	6.6	< 5	9	9.6	13	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	11.9	61	< 10	74	15	13.9	< 10	50	23	3,857		125	996.6	395	1209	1410	2013	185
Ethylbenzene	700	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		24	13	11	5.8	< 5	< 5	< 5.0
Isopropylbenzene	5	207	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		53	67	38	38	31	18	21	20
p-Isopropyl toluene	5	200	1,010		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	18		na	na	na	na	na	na	na
Methylene chloride	5	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Naphthalene	20	nc	nc		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	69		na	na	na	na	na	na	na
Styrene	100	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Tetrachloroethene	5	1.3	3.9		< 5	< 5	7	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	7	< 5	7	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	8.4	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.7	5.6	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Toluene	1,000	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
1,1,1-Trichloroethane	200	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
1,1,2-Trichloroethane	5	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Trichloroethene	5	18	35		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	5.7	< 5.0	< 5.0	< 5.0	11	< 5.0	13	< 5.0	< 5.0	< 5.0	10.0	<5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
Trichlorofluoromethane	2,000	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0
1,2,4-Trimethylbenzene				na					na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na			na	na	na	na			na	na	na	na	na	397		na	na					na
1,3,5-Trimethylbenzene				na					na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na	na			na	na	na	na			na	na	na	na	na	91		na	na					na
Vinyl Chloride	2	1.1	3.3		< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	40		< 5	39	32	64	64	69	21
m&p-Xylene	nc	nc	nc		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15		14	< 10	< 10	< 10	< 10	< 10	< 10
o-Xylene	nc	nc	nc		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	5.6	< 5.0	5.4	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	17		14	12	7.6	6.2	< 5	6.1	< 5.0
Total Xylene	10,000	nc	nc		< 10	< 10	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 15	< 5	< 15	< 15	< 15	5.6	< 15	5.4	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 10	32		28	12	7.6	6.2	< 15	6.1	< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	ns	na	na	na	na	na	na	na
1,2-Dichlorobenzene	600	nc	nc																																											
1,3-Dichlorobenzene	600	nc	nc																																											
1,4-Dichlorobenzene	75	nc	nc																																											
2,4-Dimethylphenol	700	nc	nc																																											
Bis(2-Ethylhexyl)phthalate	6	nc	nc																																											
2-Methylnaphthalene																																														
2-Methylphenol (o-cresol)	10	nc	nc																																											
4-Methylphenol (m&p-cresol)	10	nc	nc																																											
Cresol (o,m,p)	10	nc	nc																																											
Naphthalene	20	nc	nc																																											
Metals, Method 6010B/7470A									na	na	na	na	na	na	na	na	na	na	na								na	na	na	na	na	na	na	na	na	na	na		ns							na
Barium	2,000	nc	nc	20.3	30.1	31.1	31	39.4												118	192	66.9	57.5	131	54.3	194													1,210		22	38.5	28.9	38.2	42.2	87.1	
Cadmium	5	7.8	51	< 5	< 5	< 5	< 5	< 5												< 5	< 5	< 5	< 5	< 5	< 5	< 5													< 5		< 5	< 5	< 5	< 5	< 5	< 5	
Chromium	100	47	310	< 10	11.3	< 10	< 10	< 10												14	31	< 10	< 10	< 10	< 10	43.6													193		< 10	< 10	15.7	15.7	< 10	< 10	
Copper	1,300	630	4,090	< 10	12.5	< 10	< 10	< 10												< 20	31	< 10	< 10	< 10	< 10	19.4													298		< 10	< 10	< 10	< 10	< 10	< 10	
Lead	15	15	15	< 10	< 10	< 10	< 10	< 10												< 10	< 10	< 10	< 10	< 10	< 10	< 10													64		< 10	< 10	< 10	< 10	< 10	< 10	
Manganese	ne	ne	ne	na	na	na	na	na												na	na	na	na																na		na	na	na	na	na	na	
Nickel	100	310	2,040	< 20	24.7	< 20	< 20	29.3												83	66	62.5	49.7	37.9	35.2	76.1													267		28	43.0	34.3	31	31.5	71.9	
Zinc	2,000	4,700	nc	< 20	26.2	< 20	45.7	37.6												36	67	< 20	< 20	< 20	< 20	99.9													451		< 20	< 20	< 20	< 20	< 20	< 20	

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.

[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-12 36 to 46 ft bg											MW-13a 35 to 50 ft bg			MW-13aR 46 to 56 ft bg														MW-13b 78.5 to 83.5 ft bg															
				Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12
Volatile Organics, Method 8260									ns		ns						ns											ns																	ns	
Acetone	4,000	nc[g]	nc	< 50	< 50	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 100	< 100		< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 100	< 100		< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100	< 10	< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088	na	na	na	na	na		na		na	na	na	< 5	< 5		na	na	na	na	na	na	na	na	na	na	na		na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na
sec-Butylbenzene	5	626	4,088	na	na	na	na	na		na		na	na	na	< 5	< 5		na	na	na	na	na	na	na	na	na	na	na		na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	4.9	10			< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0											< 5.0	< 5.0	< 5.0														< 5.0	< 5.0	< 5.0		< 5.0
Chlorobenzene	100	27	136	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		15	12	19	13	20	27	24	23	< 5.0	7.9	16		19	18	8.3	< 5	5	14	28	30	36	26	24	32	27	30	34	19	24		23
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	21	12	5.6	8.5	10.0		11		7.4	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	600	nc	nc	6.4	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	4,000	nc	nc	< 5.0	< 5.0	< 5.0	6.4	< 5.0		< 5.0		< 5.0	5.0	5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	5	1.6	2.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	7	103	524	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	170	120	23	360	200		140		110	49	21	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	100	32	161	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	175	125	28	365	205		145		115	54	21	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	700	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	5	207	nc	17.0	23	9	26	13		< 5.0		6.3	10.0	11	< 5	< 5		< 5	< 5	< 5	< 5	na	na	na	na	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	5	200	1,010	na	na	na	na	na		na		na	na	na	< 5	< 5		na	na	na	na	na	na	na	na	na	na	na		na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na
Methylene chloride	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	20	nc	nc	na	na	na	na	na		na		na	na	na	< 5	< 5		na	na	na	na	na	na	na	na	na	na	na		na	na	na	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na
Styrene	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	5	1.3	3.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	200	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	< 5.0	6.9	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	2,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene				na	na	na	na	na		na		na	na	na	< 5	< 5										na	na	na		na	na	na												na	na	na
1,3,5-Trimethylbenzene				na	na	na	na	na		na		na	na	na	< 5	< 5										na	na	na		na	na	na												na	na	na
Vinyl Chloride	2	1.1	3.3	9.2	4.6	< 2.0	25	6.8		10		6.9	4.0	<2	< 2	< 2		< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10	< 10	< 10		< 10		< 5.0	< 5.0	< 5.0	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-Xylene	nc	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	10,000	nc	nc	< 15	< 15	< 15	< 15	< 15		< 15		<10	< 10	< 10	< 15	< 15		< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10		< 15	< 15	<10	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	ns	na	ns	na	na	na	na	na	ns	ns	na	na	na	na	na	na	na	na	na	ns	na	na	na	na	na	na	na	na	na	na	na	na	na	ns	na		na
1,2-Dichlorobenzene	600	nc	nc																																											
1,3-Dichlorobenzene	600	nc	nc																																											
1,4-Dichlorobenzene	75	nc	nc																																											
2,4-Dimethylphenol	700	nc	nc																																											
Bis(2-Ethylhexyl)phthalate	6	nc	nc																																											
2-Methylnaphthalene																																														
2-Methylphenol (o-cresol)	10	nc	nc																																											
4-Methylphenol (m&p-cresol)	10	nc	nc																																											
Cresol (o,m,p)	10	nc	nc																																											
Naphthalene	20	nc	nc																																											
Metals, Method 6010B/7470A				na	na				ns		ns	ns					ns							na					ns																	ns	
Barium	2,000	nc	nc			0.0	0.0	0.0		0.0		na	na	na	412	344		150	185	261	480	na	na	na																							
Cadmium	5	7.8	51			0.0	0.0	0.0		0.0		na			< 5	< 5		< 5	< 5	< 5	< 5	na	na	na																							
Chromium	100	47	310			0.0	0.0	0.0		0.0		na			25	25		< 10	15.9	36.5	951	563 J	< 10.0	na																							
Copper	1,300	630	4,090			0.0	0.0	0.0		0.0		na			< 20	23		< 10	< 10	13.6	72.8	na	na	na																							
Lead	15	15	15			na	na	na		na		na			16	17		< 10	< 10	< 10	< 10	na	na	na																							
Manganese	ne	ne	ne			8,970	7,170	8,110		8,110		10,000			na	na		na	na	na	na	na	na	na																							
Nickel	100	310	2,040			na	na	na		na		na			< 20	< 20		< 20	< 20	22	603	na	na	< 20																							
Zinc	2,000	4,700	nc			na	na	na		na		na			67	94		< 20	< 20	60	117	na	na	na																							

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.

[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-13b 78.5 to 83.5 ft bg		MW-14 40 to 50 ft bg						MW-14b 70 to 80 ft bg																MW-15 5 to 15 ft bg	MW-16 27 to 37 ft bg		MW-17 37 to 47 ft bg																	
				Oct-12	Apr-13	Jun-02	Sep-03	May-04	Jul-06	Apr 07 - Oct 09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Jan-08	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Jun 02 - Apr 14	Jun-02	Sep 03 - Apr 14	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
Volatile Organics, Method 8260							na			ns				ns	ns	ns												ns		ns															ns		
Acetone	4,000	nc[g]	nc	< 50	< 50	< 20		< 20	< 20				< 50				< 50	< 50	< 50	< 50	< 50			< 50	< 50	< 50	< 50	< 50		< 20		< 20	< 20	< 20	< 50	< 20	< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50
Benzene	5	4.4	8.7	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Bromodichloromethane	100	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.1	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
2-Butanone	2,000	nc	nc	< 50	< 50	< 10		< 10	< 10				< 50				< 50	< 50	< 50	< 50	< 50			< 50	< 50	< 50	< 50	< 50		< 10		< 10	< 10	< 10	< 50	< 10	< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50
n-Butylbenzene	5	626	4,088	na	na	na		na	na				na				na	na	na	na	na			na	na	na	na	na		na		na	na	na	na	na	na		na	na	na	na	na	na	na		na
sec-Butylbenzene	5	626	4,088	na	na	na		na	na				na				na	na	na	na	na			na	na	na	na	na		na		na	na	na	na	na	na		na	na	na	na	na	na	na		na
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Carbon Tetrachloride	5	4.9	10	< 5.0	< 5.0							< 5.0	< 5.0										< 5.0	< 5.0	< 5.0	< 5.0	< 5.0													< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Chlorobenzene	100	27	136	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Chloroethane	10	nc	nc	< 10	< 10	< 5		< 10	< 10			< 10					< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10		< 5		< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Chloroform	100	nc	nc	24	15	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				11	18	20	13	14	< 5.0	8.2	8.2	8.3	< 5.0	< 5.0	< 5.0		59		35	34	7.8	6.6	13	6.6		11.0	12	12	8.6	7.7	6.1	< 5.0		< 5.0
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,2-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	na		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,3-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	na		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,4-Dichlorobenzene	75	35	73	< 5.0	< 5.0	na		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,1-Dichloroethane	4,000	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,2-Dichloroethane	5	1.6	2.9	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0		< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,1-Dichloroethene	7	103	524	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
cis-1,2-Dichloroethene	70	156	1,020	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
trans-1,2-Dichloroethene	100	32	161	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	< 10	< 10	< 10		< 10	< 10		< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10		< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Ethylbenzene	700	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	na		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
p- Isopropyl toluene	5	200	1,010	na	na	na		na	na				na				na	na	na	na	na			na	na	na	na	na		na		na	na	na	na	na	na		na	na	na	na	na	na	na		na
Methylene chloride	5	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Naphthalene	20	nc	nc	na	na	na		na	na				na				na	na	na	na	na			na	na	na	na	na		na		na	na	na	na	na	na		na	na	na	na	na	na	na		na
Styrene	100	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Tetrachloroethene	5	1.3	3.9	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Toluene	1,000	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5			< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,1,1-Trichloroethane	200	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,1,2-Trichloroethane	5	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Trichloroethene	5	18	35	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Trichlorofluoromethane	2,000	nc	nc	< 5.0	< 5.0	na		< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
1,2,4-Trimethylbenzene				na	na								na													na	na													na	na	na	na	na	na		na
1,3,5-Trimethylbenzene				na	na								na													na	na													na	na	na	na	na	na		na
Vinyl Chloride	2	1.1	3.3	< 2.0	< 2.0	< 5		< 5	< 5		< 2.0	< 2.0	< 2.0				< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 5		< 5	< 5	< 5	< 2	< 2	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0
m&p-Xylene	nc	nc	nc	< 10	<5.0	< 5		< 10	< 10		< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0		< 5		< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 5.0
o-Xylene	nc	nc	nc	< 5.0	< 5.0	< 5		< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0
Total Xylene	10,000	nc	nc	< 15	<10	< 5		< 15	< 15		< 15	< 15	< 15				< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10		< 5		< 15	< 15	< 15	< 15	< 15	< 15		< 15	< 15	< 15	< 15	< 15	< 15	< 15		< 10
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	ns	na	na	na	ns	ns	ns	na	na	na	na	na	na	na	na	na	na	na	ns	na	ns	na	na	na	na	na	na	ns	na	na	na	na	na	na	ns	na	na
1,2-Dichlorobenzene	600	nc	nc																																												
1,3-Dichlorobenzene	600	nc	nc																																												
1,4-Dichlorobenzene	75	nc	nc																																												
2,4-Dimethylphenol	700	nc	nc																																												
Bis(2-Ethylhexyl)phthalate	6	nc	nc																																												
2-Methylnaphthalene																																															
2-Methylphenol (o-cresol)	10	nc	nc																																												
4-Methylphenol (m&p-cresol)	10	nc	nc																																												
Cresol (o,m,p)	10	nc	nc																																												
Naphthalene	20	nc	nc																																												
Metals, Method 6010B/7470A				na	na					ns	na	na	na	ns	ns	ns	na	na		na	na	na	na	na	na	na	na	ns		ns								na	ns	na	na	na	na	na	ns	na
Barium	2,000	nc	nc			0.157	208	200	117										na										0.273		20.1	98.8	63.1	47.1	376												
Cadmium	5	7.8	51			< 0.005	< 5	< 5	< 5										< 5										< 0.005		na	< 5	< 5	< 5	< 5												
Chromium	100	47	310			< 0.010	12.3	10.5	142										< 10										0.039		14.3	< 10	14.8	< 10	34.4												
Copper	1,300	630	4,090			0.02	< 10	< 10	13.7										na										0.09		17.5	< 10	< 10	< 10	25.5												
Lead	15	15	15			< 0.010	14.3	< 10	< 10										< 10										0.029		< 10	< 10	< 10	< 10	10.5												
Manganese	ne	ne	ne			na	na	na	na										na										na		na	na	na	na	na												
Nickel	100	310	2,040			< 0.020	< 20	< 20	152										na										0.057		< 20	< 20	< 20	< 20	< 20												
Zinc	2,000	4,700	nc			0.039	73.6	52.1	43.4										na										0.213		< 20	< 20	< 20	< 20	266												

[a] "nr" = Analytical reports not available to determine detection limits.

[v] "na" = Not analyzed for this parameter or by this method.

[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)

[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.

[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.

= Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.

[f] NASV = Not reported as a semi-volatile. See volatile result.

[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.

[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.

[i] "E" indicates the concentration is estimated.

[j] "ne" = Standard not established as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-18 54 to 64 ft bgs							MW-19 31 to 41 ft											
				Aug-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct 09 - Apr 14	Jan-08	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
Volatile Organics, Method 8260										ns												
Acetone	4,000	nc[g]	nc	< 50	< 50	< 20	< 50	< 50	< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	100	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc	< 50	< 50	< 10	< 50	< 50	< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088	na	na	na	na	na	na		na	na	na	na	na	na	na	na	na	na	na	na
sec- Butylbenzene	5	626	4,088	na	na	na	na	na	na		na	na	na	na	na	na	na	na	na	na	na	na
Carbon disulfide	4,000	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	4.9	10													< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	100	27	136	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	100	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		31	17	75	< 5.0	5.0	< 5.0	7.1	< 5.0	35.0	< 5.0	24	< 5.0
1,3-Dichlorobenzene	600	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		5.1	< 5.0	13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.5	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		8.6	5	19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	11.0	< 5.0	7.9	< 5.0
1,1-Dichloroethane	4,000	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	5	1.6	2.9	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	7	103	524	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	6.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	100	32	161	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	11.7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	700	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	5	207	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	5	200	1,010	na	na	na	na	na	na		na	na	na	na	na	na	na	na	na	na	na	na
Methylene chloride	5	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	20	nc	nc	na	na	na	na	na	na		na	na	na	na	na	na	na	na	na	na	na	na
Styrene	100	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	5	1.3	3.9	< 5	5.7	5.7	< 5.0	< 5.0	< 5.0		< 5	< 5.0	5.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	200	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	5	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	2,000	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene																na	na	na	na	na	na	na
1,3,5-Trimethylbenzene																na	na	na	na	na	na	na
Vinyl Chloride	2	1.1	3.3	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0		< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0
o-Xylene	nc	nc	nc	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0		< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	10,000	nc	nc	< 15	< 15	< 15	< 15	< 15	< 15		< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	ns	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene	600	nc	nc																			
1,3-Dichlorobenzene	600	nc	nc																			
1,4-Dichlorobenzene	75	nc	nc																			
2,4-Dimethylphenol	700	nc	nc																			
Bis(2-Ethylhexyl)phthalate	6	nc	nc																			
2-Methylnaphthalene																						
2-Methylphenol (o-cresol)	10	nc	nc																			
4-Methylphenol (m&p-cresol)	10	nc	nc																			
Cresol (o,m,p)	10	nc	nc																			
Naphthalene	20	nc	nc																			
Metals, Method 6010B/7470A							na	na	na	ns		na	na	na	na	na	na	na	na	na	na	na
Barium	2,000	nc	nc	111	< 20	< 20					73.6											
Cadmium	5	7.8	51	< 5	< 5	< 5					< 5											
Chromium	100	47	310	359	< 10	13.3					11.8											
Copper	1,300	630	4,090	64.6	12.6	< 10					< 10											
Lead	15	15	15	< 10	< 10	< 10					< 10											
Manganese	ne	ne	ne	na	na	na					na											
Nickel	100	310	2,040	176	77	71.2					84.3											
Zinc	2,000	4,700	nc	64.8	< 20	< 20					44											

Parameter	MW-20 33 to 43 bgs			MW-21 47 to 57 ft bgs	OW-72 107 to 135 ft bg																			
	Apr-13	Oct-13	Apr-14	Apr-14	Apr-01	May-01	Nov-01	May-02	Nov-02	May-03	May-04	Nov-04	May-05	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11
Volatile Organics, Method 8260																								
Acetone	< 50	<50	<50	<50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 5.0	<5.0	<5.0	<5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	<50	<50	<50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	130.0
n-Butylbenzene	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	na	na	na	na	na	na	na	na	na	na	na
sec- Butylbenzene	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	na	na	na	na	na	na	na	na	na	na	na
Carbon disulfide	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	<5.0	<5.0	<5.0																	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 10	<10	<10	<10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	< 5.0	<5.0	<5.0	<5.0	36	41	16	< 10	< 10	< 10	< 10	< 50	< 50	8.0	7.9	8	< 5.0	11	< 5.0	< 5.0	11	17	9.4	12.0
1,3-Dichlorobenzene	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	<5.0	<5.0	<5.0	43	43	17	12	4	3	< 2	< 10	< 10	12	9.6	9.8	8.7	14	6.8	10	16	14	9.7	10.0
1,2-Dichloroethane	< 5.0	<5.0	<5.0	<5.0	8	7	7	11	< 2	4	< 2	2.8 J	< 10	6.8	< 5	9.1	6.4	7.8	5.9	< 5	< 5.0	< 5.0	< 5.0	5.6
1,1-Dichloroethene	< 5.0	<5.0	<5.0	<5.0	11	10	< 2	6	< 2	< 2	2	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	<5.0	<5.0	<5.0	2,600	2,900	1,300	660	270	180	400	150	490	1100	1200	750	530	1100	600	960	1,500	1,100	1,200	1,100
trans-1,2-Dichloroethene	< 5.0	<5.0	<5.0	<5.0	28	31	51	< 2	< 2	< 2	5	< 10	< 10	7.6	10	< 5	< 5.0	10	< 5.0	7.4	12	12	7.4	6.7
Total 1,2-Dichloroethene[h]	< 10	< 10	< 10	< 10	2,628	2,931	1,351	662	272	182	405	160	500	1107.6	1210	755	535	1110	605	967.4	1,512	1,112	1,207	1106.7
Ethylbenzene	< 5.0	<5.0	<5.0	<5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	na	na	na	na	na	na	na	na	na	na	na
Methylene chloride	< 5.0	<5.0	<5.0	<5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	na	na	na	na	na	na	na	na	na	na	na
Styrene	< 5.0	<5.0	<5.0	<5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	<5.0	<5.0	<5.0	88	91	60	37	17	12	18	4 J	13	21	20	20	9.4	23	5.0	14	13	20	11	17
Toluene	< 5.0	<5.0	<5.0	<5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	20.0	< 5.0	< 5.0
1,1,1-Trichloroethane	< 5.0	<5.0	<5.0	<5.0	< 2	< 2	< 2	< 2	< 2	< 2	9	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	<5.0	<5.0	<5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	<5.0	<5.0	<5.0	360	360	250	140	49	45	72	23	54	92	93	67	43	80	29	44	58	71	44	47
Trichlorofluoromethane	< 5.0	<5.0	<5.0	<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	na	na	na	na																	na	na	na	na
1,3,5-Trimethylbenzene	na	na	na	na																	na	na	na	na
Vinyl Chloride	< 2.0	<2.0	<2.0	<2.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	2.2	7.4	< 2.0	< 2.0
m&p-Xylene	< 5.0	<5.0	<5.0	<5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-Xylene	< 5.0	<5.0	<5.0	<5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	<10	<10	<10	<10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Semi-Volatile Organics, Method 8270	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene																								
1,3-Dichlorobenzene																								
1,4-Dichlorobenzene																								
2,4-Dimethylphenol																								
Bis(2-Ethylhexyl)phthalate																								
2-Methylnaphthalene																								
2-Methylphenol (o-cresol)																								
4-Methylphenol (m&p-cresol)																								
Cresol (o,m,p)																								
Naphthalene																								
Metals, Method 6010B/7470A	na	na	na	na													na	na	na	na	na	na	na	na
Barium					60	60	60	50	50	60	60	60	70	74.0	64	62.9								
Cadmium					8	6	< 5	< 5	< 5	10	< 5	20	< 5	< 5	< 5	< 5								
Chromium					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Copper					130	200	160	120	60	50	50	30	30	75.3	51.4	60.9								
Lead					20	30	15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 10								
Manganese					na	na	na	na	na	na	na	na	na	na	na	na								
Nickel					1,200	1,600	740	490	200	190	410	160	280	555	483	477								
Zinc					260	390	140	150	230	230	80	130	70	61.5	86.5	58.9								

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
(orange shading) = Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.

[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not establshed as parameter not regulated under HSRA.

Table 3-3. Historical Groundwater Sampling Detections for 1998-2014
Former Olympic Manufacturing Site, Smyrna, GA

Concentration, ug/L

Parameter	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	OW-72 107 to 135 ft bg					OW-74A 42 to 81 ft bg							
				Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Apr-01	May-01	Nov-01	May-02	Nov-02	May-03	May-04	Nov-04
Volatile Organics, Method 8260																
Acetone	4,000	nc[g]	nc	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 200
Benzene	5	4.4	8.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
Bromodichloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 200
n-Butylbenzene	5	626	4,088	na	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
sec-Butylbenzene	5	626	4,088	na	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Carbon Tetrachloride	5	4.9	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0								
Chlorobenzene	100	27	136	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Chloroform	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
1,2-Dichlorobenzene	600	nc	nc	10	9.1	7.0	18	19	10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
1,3-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
1,4-Dichlorobenzene	75	35	73	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
1,1-Dichloroethane	4,000	nc	nc	10	8.2	9.4	14	15	10	3	2	2	< 2	< 2	< 2	< 4
1,2-Dichloroethane	5	1.6	2.9	6.4	6.5	6.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
1,1-Dichloroethene	7	103	524	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
cis-1,2-Dichloroethene	70	156	1,020	1,000	910	870	1,800	1,711	790	350	150	140	97	190	190	180
trans-1,2-Dichloroethene	100	32	161	6.3	<5.0	5.8	10.0	11.0	4	2	2	< 2	< 2	< 2	2	< 4
Total 1,2-Dichloroethene[h]	105	192	1,160	1006.3	915	875.8	1,810	1,810	794	352	152	142	99	192	192	184
Ethylbenzene	700	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
p-Isopropyl toluene	5	200	1,010	na	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Methylene chloride	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Naphthalene	20	nc	nc	na	na	na	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
Styrene	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Tetrachloroethene	5	1.3	3.9	15	12	11	15	15	23	10	8	7	5	5	6	5
Toluene	1,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
1,1,1-Trichloroethane	200	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
1,1,2-Trichloroethane	5	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4
Trichloroethene	5	18	35	41	34	31	49	46	130	60	33	31	22	25	28	24
Trichlorofluoromethane	2,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
1,2,4-Trimethylbenzene				na	na	na	na	na								
1,3,5-Trimethylbenzene				na	na	na	na	na								
Vinyl Chloride	2	1.1	3.3	2.0	<2.0	<2.0	< 2.0	< 2.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
m&p-Xylene	nc	nc	nc	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
o-Xylene	nc	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Total Xylene	10,000	nc	nc	< 15	< 15	<10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene	600	nc	nc													
1,3-Dichlorobenzene	600	nc	nc													
1,4-Dichlorobenzene	75	nc	nc													
2,4-Dimethylphenol	700	nc	nc													
Bis(2-Ethylhexyl)phthalate	6	nc	nc													
2-Methylnaphthalene																
2-Methylphenol (o-cresol)	10	nc	nc													
4-Methylphenol (m&p-cresol)	10	nc	nc													
Cresol (o,m,p)	10	nc	nc													
Naphthalene	20	nc	nc													
Metals, Method 6010B/7470A				na	na	na	na	na								
Barium	2,000	nc	nc						60	60	80	70	80	70	7	70
Cadmium	5	7.8	51						< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chromium	100	47	310						< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Copper	1,300	630	4,090						50	30	< 20	< 20	< 20	< 20	< 20	< 20
Lead	15	15	15						30	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Manganese	ne	ne	ne						na	na	na	na	na	na	na	na
Nickel	100	310	2,040						370	140	80	70	60	60	70	60
Zinc	2,000	4,700	nc						180	200	< 20	60	40	20	5	< 20

Parameter	OW-74A 42 to 81 ft bg (cont.)																
	May-05	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14
Volatile Organics, Method 8260																	
Acetone	< 100	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 100	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	< 10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
sec-Butylbenzene	< 10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Carbon disulfide	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride									< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	4	31	170	180	120	150	64	120	150	210	200	180	120	100	74	180	160
trans-1,2-Dichloroethene	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	6	36	175	185	125	155	69	125	155	215	205	185	125	105	79	185	165
Ethylbenzene	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyl toluene	< 10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Methylene chloride	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	< 10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Styrene	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 2	< 5	8	5.8	< 5.0	5.4	< 5.0	< 5.0	< 5.0	6.5	< 5.0	5.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 2	5.6	32	24	17	23	11	14	16	28	16	21	16	14	7.7	13	14
Trichlorofluoromethane	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene									na	na	na	na	na	na	na	na	na
1,3,5-Trimethylbenzene									na	na	na	na	na	na	na	na	na
Vinyl Chloride	< 10	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
m&p-Xylene	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0
o-Xylene	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	< 5	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 10
Semi-Volatile Organics, Method 8270	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene																	
1,3-Dichlorobenzene																	
1,4-Dichlorobenzene																	
2,4-Dimethylphenol																	
Bis(2-Ethylhexyl)phthalate																	
2-Methylnaphthalene																	
2-Methylphenol (o-cresol)																	
4-Methylphenol (m&p-cresol)																	
Cresol (o,m,p)																	
Naphthalene																	
Metals, Method 6010B/7470A					na	na	na	na	na	na	na	na	na	na	na	na	na
Barium	30	32.1	80.2	86.5													
Cadmium	< 5	< 5	< 5	< 5													
Chromium	< 10	< 10	< 10	< 10													
Copper	< 20	26.1	< 10	< 10													
Lead	< 15	< 10	< 10	< 10													
Manganese	na	na	na	na													
Nickel	< 20	< 20	62.8	59.1													
Zinc	1,700	505	< 20	< 20													

Parameter	OW-74B 76 to 180 ft bg								MW-A 30-40 ft	MW-B 32-42 ft	MW-C 34-44 ft	MW-D 34-44 ft
	Apr-01	May-01	Nov-01	May-02	Nov-02	May-03	May-04	Nov-04	Sep-06	Jul-06	Jul-06	Jan-08
Volatile Organics, Method 8260												
Acetone	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	na	na	< 20	< 20
Benzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	20
Bromodichloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5
2-Butanone	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	na	na	< 10	< 10
n-Butylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	
sec-Butylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	
Carbon disulfide	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5
Carbon Tetrachloride												
Chlorobenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	12
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 10	< 10
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5
Dibromochloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5
1,2-Dichlorobenzene	24	14	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	16
1,3-Dichlorobenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5
1,4-Dichlorobenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	5.2
1,1-Dichloroethane	26	18	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5
1,2-Dichloroethane	5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5
1,1-Dichloroethene	5	3	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5
cis-1,2-Dichloroethene	1,800	1,300	15	18	32	170	< 2	200	na	na	< 5	19
trans-1,2-Dichloroethene	7	5	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5
Total 1,2-Dichloroethene[h]	1,807	1,305	17	20	34	172	< 4	202	na	na	< 10	24
Ethylbenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	65
Isopropylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	6.1
p-Isopropyl toluene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 5	< 5
Naphthalene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	na
Styrene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 5	< 5
Tetrachloroethene	45	29	< 2	< 2	< 2	6	< 2	5	110	< 5	< 5	< 5
Toluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	7.1
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5
Trichloroethene	210	160	4	4	6	30	4	26	450	< 5	< 5	< 5
Trichlorofluoromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5
1,2,4-Trimethylbenzene												
1,3,5-Trimethylbenzene												
Vinyl Chloride	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 2
m&p-Xylene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 10	75
o-Xylene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 5	220
Total Xylene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 15	295
Semi-Volatile Organics, Method 8270	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene												na
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
2,4-Dimethylphenol												
Bis(2-Ethylhexyl)phthalate												
2-Methylnaphthalene												
2-Methylphenol (o-cresol)												
4-Methylphenol (m&p-cresol)												
Cresol (o,m,p)												
Naphthalene												
Metals, Method 6010B/7470A												na
Barium	20	20	20	20	20	50	30	50	na	na	101	
Cadmium	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Chromium	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	10.2	
Copper	50	70	< 20	< 20	< 20	< 20	< 20	< 20	na	na	16	
Lead	280	220	< 15	< 15	< 15	< 15	< 15	< 15	na	na	14.2	
Manganese	na	na	na	na	na	na	na	na	na	na	na	
Nickel	800	730	< 20	< 20	30	130	< 20	110	655	54	192	
Zinc	160	140	< 20	90	90	40	40	< 20	na	na	26.9	

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current method of reporting. Original laboratory not available to confirm.)
[d] "NAV" = Not analyzed as a volatile. See semi-volatile result.
[e] "ns" indicates the well was not sampled during the event as it was not yet installed, or because there was insufficient water or well damage.
(shaded) = Exceeds Type 1, Type 2, Type 3, and Type 4 RRSs.

[f] NASV = Not reported as a semi-volatile. See volatile result.
[g] "nc" = Not calculated because Type 1 and 3 are already met, or because the RRS is based on the sum and not the individual isomers.
[h] Computed as Sum. RRS for cis- and trans- isomers still must be met.
[i] "E" indicates the concentration is estimated.
[j] "ne" = Standard not establshed as parameter not regulated under HSRA.

Table 3-4. Recent Groundwater Geochemical Results
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, mg/L																														
	MW-4a[a]						IW-4[a]								MW-6		MW-8														
	Apr-07	Apr-10	Oct-10	Apr-11	Oct-13	Apr-14	Apr-08	Oct-08	Apr-09	Oct-09	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14
Methane	0.400	0.055	0.170	0.036	0.077	0.160	0.048	0.210	0.069	0.013	0.130	0.290	ns	0.190	0.130	0.160	0.160	na	0.063	0.062	0.110	0.032	0.033	0.047	0.130	0.690	0.094	na	0.082	0.021	0.053
Nitrate	0.54	< 2.5	< 0.25	< 0.25	<1.2	<0.25	< 2.5	na	< 2.5	< 0.25	< 0.25	< 1.2	ns	<2.5	<0.25	<0.25	< 5.0	na	< 2.5	< 0.25	< 0.25	< 0.25	< 0.25[UJ]	< 2.5	< 0.25	< 1.2	< 0.5	na	<1.2	<0.25	<0.25
Sulfate	58	280	67	97	110	130	280	na	190	210	45	26	ns	230[J]	2.7	3.4	150	na	150	130	120	97	51[J]	99	110	110	120	na	120	65	81
Total Organic Carbon	37.2	52.4	31.0	33.1	32.5	33.0	57.6	na	42.0	37.5	21.0	27.9	ns	34.6	3.21	2.10	< 100	na	54.7	36.9	48.5	26.9	19.6	24.0	27.0	31.1	43.3	na	60.2	15.6	19.9
Manganese	4.09	58.7	23.8	21.4	na	na	50.3	na	na	1.62[J]	11.9	95.7	ns	26.1	na	na	185	14.8	11.1	25.1	na	12.1[J]	6.92	12.60	16.9	15.6	16.8	na	15.7	11.1	11.6
pH (S.U.)	7.18[e]	6.88	6.63	6.63	6.48	6.56	6.76	7.41	6.92	6.48	6.68	6.90	ns	6.41	6.31	6.30	6.89[e]	6.4	6.47	6.30	6.49	6.42	6.49	6.64	6.73	6.54	6.50	6.71	6.27	6.51	6.54
Dissolved Oxygen	8.41[e]	2.69	0.17	4.45	0.32	0.17	0.33	7.03	0.47	0.65	14.79	3.52	ns	0.14	0.28	0.30	8.4[e]	0.65	0.40	1.08	0.54	0.56	0.31	0.30	3.91	4.86	0.19	0.15	0.24	0.31	0.26
Potassium Permanganate	< 0.89	na	na	na	na	na	270	12	< 0.89	< 0.89	na	na	ns	na	na	na	800	1.8	< 0.89	1	< 0.89	< 0.89	na	na	na	na	na	na	na	na	na
Ferrous Iron	< 0.1	< 0.100	< 1.0[UJ]	< 0.100	< 0.1[UJ]	1.28	< 10	na	< 0.100	< 0.100	< 0.100	< 0.100	ns	0.609[J]	1.06	2.05	< 100	na	< 0.1	< 1.00	< 0.100[UJ]	< 0.100	<0.100	< 0.100	< 0.100	< 0.100	< 0.100	na	<0.100	<0.100	<0.100
Oxidation-Reduction Potential (millivolts)	369.2			35	-130	-142	688						ns	-83	0	57	696	270									118	na	-52	45	58.8

Parameter	Concentration, mg/L																									
	MW-12[b]																	MW-19								
	Apr-07	May-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Apr-13	Oct-13	Apr-14	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13
Methane	0.74	0.74	na	0.13	ns[d]	0.130	0.054	0.310	1.100	0.210	ns	na	ns	0.027	0.027	0.170	0.110	< 0.004	0.021	< 0.004	0.015	<0.004	0.140	0.033	0.140	0.023
Nitrate	< 0.25	< 0.25	na	< 0.25	ns	< 0.25[UJ]	< 0.25	< 0.25	< 0.25	< 0.25	ns	na	ns	<0.25	<0.25	<0.25	<0.25	< 0.25[UR]	< 0.25	< 0.25	< 0.25	< 0.25	<0.25	<0.25	<0.25	<0.25
Sulfate	< 1.0	< 1.0	na	1.3	ns	6.9	11	32	< 1.0	< 10.0	ns	na	ns	19	19	10	13	65	51	37	31	24	25	23	29	21
Total Organic Carbon	6.07	6.07	na	6.49	ns	8.90	12.6	7.98	2.90	4.11	ns	na	ns	8.92	8.92	5.17	2.77	5.32	5.66	6.21	2.10	2.26	5.38	3.1	5.81	3.93
Manganese	7.63	7.63	8.45	7.02	ns	na	7.83	8.97	7.17	8.11	ns	na	ns	10.0	10.0	na	na	na	na	na	na	na	na	na	na	na
pH (S.U.)	6.33[e]	6.33[e]	6.16	6.30	ns	6.39	6.51	6.38	6.49	6.61	ns	6.38	ns	6.37	6.37	6.66	6.52	4.72	5.58	5.71	6.18	5.82	6.36	5.87	6.1	5.98
Dissolved Oxygen	8.05[e]	8.05[e]	0.96	0.44	ns	2.45	1.32	0.38	0.35	3.91	ns	1.02	ns	0.31	0.31	0.28	0.29	1.40	0.69	0.37	0.42	1.40	2.26	0.20	0.2	4.01
Potassium Permanganate	12	12	14	< 0.89	ns	2.2[J]	< 0.89	na	na	na	ns	na	ns	na	na	na	na	na	na	na	na	na	na	na	na	na
Ferrous Iron	46.3	46.3	na	52.4	ns	49.3[J]	51.3	0.464	30.5	30.8	ns	na	ns	38.4	38.4	26.4	4.6	2.25[J]	8.51	< 10.0	9.60	7.55	2.80	8.66[J]	3.75	3.41
Oxidation-Reduction Potential (millivolts)	-133		-85										ns	-98	-98	-138	-136	239	-22						-127	54

[a] MW-4a had been dry or had inadequate sample volume from May 2007 to Oct 2009, in Oct 2011, and in April 2013 due to regional drought. Thus, IW-4 was sampled as a surrogate for MW-4a during that period. In October 2008, the limited sample volume available in IW-4 prevented analysis for TOC, nitrate, sulfate, manganese, and ferrous iron. In October 2012, IW-4 and MW-4a were not sampled due to insufficient water.

[b] MW-12 not sampled in Oct 2011 because unable to obtain access to well from CSX Transportation, or in October 2012 due to insufficient water.

[c] "na" indicates parameter not analyzed for.

[d] "ns" indicates well not sampled in this event due to insufficient water.

[e] Water quality parameters measured at the lab in spring 2007. All other results measured using a field instrument.

[UJ] Value qualified as undetected with an estimated limit of detection.

[UR] Value qualified as unusable due to sample hold time exceedance.

[J] Value qualified as estimated.

Table 5-1. Brown and Caldwell Billing and Services from December 12, 2013 to June 12, 2014
Former Olympic Manufacturing Site, Smyrna, Georgia

Month, Person	Role	Hours Billed	Services Provided
December 12-31, 2013			
Trish	Project Manager	28.00	Data Analysis & Report Prep, Communication w/Airgas
Greg, Jeff W.	Senior Hydrogeologists (2)	5.00	Groundwater Modeling
Brian	Project Geologist	7.25	Data Analysis & Report Preparation
Brent	Managing Geologist	3.00	Data Analysis & Report Preparation
Theresa	Senior Engineer	0.50	Data Analysis & Report Preparation
Rob	Managing Engineer	0.25	Data Analysis & Report Preparation
George	Geologist I	2.00	Table and Figure Preparation
Elaine, Lavana	Admin Assistants (2)	3.50	Data Analysis & Report Preparation
Rhona	Project Assistant	1.00	Data Analysis & Report Preparation
	Labor Subtotal, Hours	**50.50**	
	Subs and Expenses	**$208.00**	
Jan. 2014			
Trish	Project Manager	22.75	Comm & Coord w/EPD, Well Permit Applic'n, Comm w/CSX, Airgas, CCWS, Project Comm's & Mgmt
Greg	Senior Hydrogeologist	22.00	Address EPD Comments on Groundwater Modeling
Sarah	Scientist III	2.00	Data Analysis
Elaine, Dee	Admin Assistant	0.25	Administrative
Rhona	Project Assistant	2.00	Administrative
	Labor Subtotal, Hours	**49.00**	
	Subs and Expenses	**$458.50**	
Feb. 2014			
Trish	Project Manager	16.50	Installation & Sampling of MW-21, Address EPD Comments, Project Comm's & Mgmt
Ryan	Scientist II	25.00	Installation & Sampling of MW-21
Tamanda, Rhona	Project Assistants (2)	1.25	Administrative
Doretha	Financial Manager	0.25	Administrative
Dale	Senior Reviewer	0.50	Subcontract Review
	Labor Subtotal, Hours	**43.50**	
	Subs and Expenses	**$5,008.38**	
March 2014			
Trish	Project Manager	6.75	Inst'n & Sampling of MW-21, Comm w/CSX, Project Mgmt
Dale	Senior Reviewer	0.25	Subcontract Review
Sarah	Scientist III	0.50	Data Validation
Ryan	Scientist II	0.75	Installation and Sampling of MW-21
Lydia	Health & Safety Risk Mgr.	1.50	HASP Review
Doretha	Financial Manager	0.25	Administrative
Rhona	Project Assistant	0.75	Administrative
	Labor Subtotal, Hours	**10.75**	
	Subs and Expenses	**$3,423.53**	

Table 5-1. Brown and Caldwell Billing and Services from December 12, 2013 to June 12, 2014 Former Olympic Manufacturing Site, Smyrna, Georgia			
Month, Person	**Role**	**Hours Billed**	**Services Provided**
April 2014			
Trish	Project Manager	24.50	Groundwater Sampling, Comm re. Olympic Assoc, ELUCs
Sarah	Scientist III	1.25	Data Validation
Juan	Engineer II	3.50	Table and Figure Preparation
Brian	Geologist II	30.00	Groundwater Sampling
George	Geologist I	31.75	Groundwater Sampling
Dale	Senior Reviewer	0.50	Project Management
Eileen	Scientist II	3.25	Data Analysis & Report Prep
Carol	Regional Biller	1.75	Billing
Elaine	Admin Assistant	0.75	Administrative
Rhona	Project Assistant	2.00	Administrative
	Labor Subtotal, Hours	**99.25**	
	Subs and Expenses	**$3,057.11**	
May 2014			
Trish	Project Manager	19.75	Comm. w/Airgas re. Valve Vault, ELUC Support, Data Analysis & Report Prep
Dale	Senior Reviewer	1.25	Senior Oversight
Neil	Engineer III	1.00	Table and Figure Preparation
Ryan	Scientist II	1.00	Data Management, Data Analysis & Report Prep
Brian	Geologist II	5.25	Data Analysis & Report Prep
George	Geologist I	7.50	Table and Figure Preparation
Daniel	Geologist II	4.75	Table and Figure Preparation
Carol	Regional Biller	1.25	Billing
Rhona	Project Assistant	1.50	Administrative
	Labor Subtotal, Hours	**43.25**	
	Subs and Expenses	**$2,995.08**	
June 1-12, 2014			
Trish	Project Manager	11.75	Data Analysis & Report Prep, Follow-up on Airgas Valve Vault
Dale	Senior Reviewer	0.50	Data Analysis & Report Prep
Theresa	Senior Engineer	1.00	Data Analysis & Report Prep
Brian	Geologist II	7.00	Report Prep, Follow-up on Airgas Valve Vault
Ryan	Scientist II	2.50	Report Prep, Follow-up on Airgas Valve Vault
Elaine	Admin Assistant	1.25	Report Prep
Rhona	Project Assistant	1.50	Administrative
	Labor Subtotal, Hours	**25.50**	
	Subs and Expenses	**$102.00**	

Appendix A: Response to Comments in EPD's November 25, 2013 Letter

Appendix A

Response to November 25, 2013 EPD Letter

1. *The Risk Reduction Standards (RRSs) presented in the Summary of Risk Reduction Standards table in Appendix F of the December 2010 VRP semiannual report, and the Delineation Concentrations presented in Table 2-3 of the same report, are acceptable to EPD, with the following exceptions:*

   a. *The Type 1 Soil RRS for 1,1-dichloroethane should be 400 milligrams per kilogram (mg/kg).*

   b. *The Type 4 groundwater RRS for 1,3-dichlorobenzene should be 0.0073 milligrams per liter (mg/L).*

   c. *The Type 1 soil RRS for cis-1,2,-dichloroethene (DCE) should be 7 mg/kg.*

   d. *The Type 1 groundwater RRS for cis-1,2-DCE should be 0.070 mg/L.*

   e. *The delineation concentration for cadmium in soil should be the Type 1 RRS of 2 mg/kg.*

   f. *Manganese is not regulated under HSRA. Accordingly, an RRS for that substance has not been established.*

   g. *The Type 3 soil RRS for zinc, for both surface and subsurface soils, should be 2,800 mg/kg.*

   Response: EPD's comments have been reviewed and incorporated. The updated delineation and cleanup levels for the Site are shown in Tables 2-1 and 2-2 of this report, and the other tables and figures included in the report reflect these final delineation and cleanup concentrations.

2. *Remedial requirements for soil in the former sump area have been satisfied. Soil sample EX-6B-1, obtained from a depth of 20 to 22 feet below ground surface (BGS) at a former sump area in 2010, had a PCE concentration of 0.560 milligrams per kilogram (mg/kg). That concentration exceeded the Type 1 soil RRS for PCE of 0.5 mg/kg (the Type 1 RRS is the least stringent RRS value for soil PCE on this site). Airgas Refrigerants, prospective purchaser of the Diversey property, conducted soil sampling o site on December 17, 2013, as a condition of a limitation of liability issued by EPD on October 31, 2012. Soil sampling was conducted at the former location of soil boring EX-6B-1. A soil sample obtained from a depth of 21 feet BGS had a PCE concentration of 0.023 mg/kg, which is below the Type 1 RRS for that substance.*

   Response: Thank you for forwarding these results and confirming that the remedial requirements for soil in the former sump area have been satisfied.

3. *EPD agrees that horizontal delineation of contaminated soil, as required under the VRP Act, is complete.*

   Response: Thank you for confirming your concurrence.

4. *Pursuant to our email of October 16, 2013, to Trish Reifenberger of Brown and Caldwell, the following wells have been removed from the VRP groundwater-monitoring itinerary, based upon their history of analytical non-detects or detections below the applicable RRSs: MW-1R, MW-3R, MW5, MW-7R, MW-*

10, MW-13ar,M W-13b, MW-14, MW-14B,M W-17, MW-18,and MW-19. Pursuant to our follow-up email of October 18, 2013, to Trish Reifenberger, resampling of those wells to certify to RRSs will not be necessary.

Response: Thank you for confirming EPD approval to remove the above wells from the groundwater monitoring program and that these wells will not need to be resampled to certify compliance with the RRSs.

5. *Given the historical lack of constituents of concern (COCs) in well MW-19, please discontinue sampling of that well for MNA geochemical parameters.*

   Response: Hillshire and Rathon will discontinue sampling monitoring well MW-19 for MNA geochemical parameters.

6. *Please continue monitoring for manganese in groundwater at a minimum of one well where the concentrations are currently high.*

   Response: Hillshire and Rathon will continue monitoring for manganese in groundwater in at least one well where the concentrations are currently high.

7. *Please install at least one additional well to complete horizontal delineation of groundwater contamination. The distance between the OW-74 well cluster and the OW-77 well cluster is close to 1,000 feet. In addition to lack of data on the plume width, if data from the OW-77 wells were to be used for horizontal delineation, covenants restricting groundwater usage would be required from all of the intervening properties between Diversey and the OW-77s.*

   Response: As described in Chapter 2 of the June 2014 report, Hillshire and Rathon have installed a monitoring well on the Cobb County road easement along South Atlanta Road in front of the S&S property.

8. *As previously stated, EPD believes that the former Diversey facility is the likely source of contamination in the wells on the adjoining Olympic Associates warehouse property (we note that wells MW-9a and MW-9b on the warehouse property have not been sampled recently). Should Olympic Associates agree to come into the VRP as a qualifying property under Diversey, the installation of additional wells on the warehouse property may not be necessary. An existing well on the southern part of the warehouse property could possible serve as a delineation well.*

   Response: As noted in Section 2 of the June 2014 report, Hillshire and Rathon contacted OA's attorney to present the above approach. Initial conversation was by telephone, and these discussions were confirmed in a letter to OA's attorney on April 25, 2014. The letter requested that OA agree to 1) to enroll the OA property as a qualifying property respecting the Former Olympic Manufacturing Site's existing VRP application; 2) allow sampling of the southernmost well on their property to serve as a delineation well, and 3) agree to execute and record an environmental covenant that would prohibit the installation of a groundwater well on the OA property. To date OA has not responded. Hillshire and Rathon are in the process of direct communcation to OA. If there is no response, we will so notify EPD.

9. *In Section 4.1.2 of the June 2012 and the December 2012 VRP semiannual progress reports, historical analytical data from off-site wells MW-9a and MW-9b is referenced to demonstrate horizontal delineation of benzene to the south. Given that those two wells have not been sampled since October 2009, analytical data from them should not be referenced in conjunction with current analytical data from other wells on site.*

Response: Analytical data from monitoring wells MW-9a and MW-9b will not be referenced in comparison to current data from other wells on-site.

10. *Regarding the Groundwater Modeling Technical Memorandum, presented in Appendix F of the June 2013 semiannual report, EPD has the following comments:*

    a. *Please provide the data quality objectives (DQOs) for the flow and solute-transport models. The DQOs were referenced in Section 1.3 of the technical memorandum, but were not specified.*

       Response: The primary DQOs were as follows:

       - Develop a diagnostic level groundwater flow model, using MODFLOW that reasonably represents groundwater flow conditions within the upper portion of the bedrock aquifer system.
       - Develop a diagnostic level transport model, using MT3D, which reasonably predicts the transport behavior of trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE) within the upper portion of the bedrock aquifer system to be used to evaluate risks associated with the point of compliance.

    b. *Section 1.2.2 of the technical memorandum references an observed downward vertical gradient on site. Has the observed vertical gradient been measured in on-site wells, or simply theorized? If the vertical gradient has been measured, please provide the wells utilized, the date of the measurements, and the calculated vertical gradient.*

       Response: Vertical gradients have been observed between the saprolite and the upper bedrock system in the following monitoring well couplets.

       - MW-4a to MW-4b – June 2004, July 2006 to April 2007, October 2008, October 2009 to April 2011: average vertical gradient downward 0.06 ft/ft
       - MW-9a and MW-9b - December 2001 to June 2004, October 2007 to April 2011, April 2012 to October 2012; average vertical gradient downward 0.01 ft/ft
       - MW-13aR and MW-13b – October 2007 to 2011, April 2012 to October 2012; average vertical gradient downward 0.07 ft/ft
       - OW-74A and OW-74B – June 2004 to December 2004; average vertical gradient downward 0.04 ft/ft

       In addition to these specific dates, a downward vertical gradient is indicated on Cross-sections A-A', B-B', and D-D' provided in the *Voluntary Remediation Program Application* submitted to EPD in March 2010.

    c. *Please provide a comprehensive tabulated list of the data inputs to run the fate and transport model MT3DMS. Specify whether the inputs were default literature values, in which case the sources should be cited, or from field data. Data inputs provided to EPD should include, where applicable, physical, chemical, and hydraulic properties of the aquifer and COCs. Examples of data inputs to be provided could include transmissivity, aquifer thickness, saturated thickness of aquifer, fractional organic carbon, soil-organic carbon partition coefficient, etc.*

       Response: The following parameters were used in the fate and transport modeling effort:

       - The weathered unit was observed to vary between 20 and 40 feet in thickness. A uniform thickness of 30 feet was selected and used for layer 1. (Based on field data)
       - Hydraulic conductivities associated with the weathered bedrock zone ranged from 2.9 ft/day to 11 ft/day, with a geometric mean value of 5.2 ft/day. The average hydraulic conductivity of 5.2 ft/day was uniformly used throughout layer 1. (Based on field data)

- Average porosity of the weathered bedrock was estimated to be 5 percent. This estimate of porosity was based on varying Site parameters to obtain a reasonable match to Site concentration distributions. A porosity range of 0.1 to 10 percent is generally typical of fractured crystalline rock (Freeze and Cherry, *Groundwater*, 1979).
- Based on the above, the longitudinal dispersivity was estimated to be 2.5 ft. The transverse and vertical dispersivity were estimated to be 0.25 ft and 1.1 ft, respectively. These estimates of dispersivity were based on varying site parameters to obtain a reasonable match to site concentration distributions. (approach presented in Anderson, M.P. and W.W. Woessner, 1992, *Applied Groundwater Modeling, Simulation of Flow and Advective Transport*, Academic Press, San Diego, California).
- A decay rate is typically used to model the reduction of chemical of concern (COC) mass based on biotic processes. A method for estimating decay rates based upon the distribution of plume concentrations along the axis and downgradient of the source area in conjunction with groundwater flow rates and retardation factors was developed by Bushcheck, O'Really, and Nelson (1993). Based on the axial plume concentrations and a groundwater flow rate of 1,060 ft/year, a decay rate of 105 days for TCE was estimated (see attached calculations). Based on simulating concentrations similar to those observed at OW-72 and OW-74A, a decay rate of 200 days was used for TCE in the transport model.
- For cis-1,2-DCE, a decay rate of 26 days was estimated based on the axial plume concentrations and the groundwater flow rate of 1,060 ft/year (see attached calculations). A decay rate of 75 days was used in the transport model based on concentration matching at OW-72 and OW-74A.
- Fractional organic carbon content was set to 0.002 (Farhat, S.K. et. Al., *Matric Diffusion Toolkit, ESTCP Manual*, 2012).
- TCE Koc = 72.4 L/Kg; cis-1,2-DCE Koc = 38.0 L/Kg (Montgomery, J.H., *Groundwater Chemicals Desk Reference*, 2000).

d. *No information on calibration of the solute-transport model was included in the technical memorandum. Please provide a detailed narrative on calibration procedures, with accompanying figures and tables depicting projected contaminant concentrations over time versus concentrations measured in the field. EPD also noticed that no sensitivity analysis was included. If literature values are used as data inputs when calibrating the model, a sensitivity analysis is advisable to determine those data inputs to which the solute-transport model is not sensitive, and which will therefore most affect the projected length of the plume. Uncertainty regarding the value of a sensitive data input contributes to the overall uncertainty of the model.*

Response: Calibration of transport models is frequently confounded by lack of knowledge concerning the release (release time, total mass released), the absence of continuous concentration data over time throughout the plume, and site-specific transport parameters. Therefore, transport models are developed to represent the most likely site conditions that would govern the behavior of the COCs within the groundwater system, coupled with an understanding of the inherent uncertainty associated with the selection of reasonable ranges of transport parameters.

A considerable amount of COC concentration data over time has been collected for this site within and near the source area (1988 to present). Additionally, downgradient monitoring wells were installed In 2001 and these wells and the source area wells have been consistently sampled from 2001 to the present. These data allowed for a quasi-calibration of the transport model to project the behavior of

COCs within the shallow fractured bedrock in relation to the downgradient Point of Compliance. Figure 1 (TCE) and Figure 2 (cis-1,2-DCE) present the quasi-calibration results for measured and modeled concentrations for select monitoring wells near the axis of the plume in 2001 and 2011-2012. As can be seen on the figures, the transport model provides a reasonable calibration between the measured and modeled concentrations for the selected time periods.

A sensitivity analysis has been completed to provide an understanding of the uncertainties associated with the transport model. The sensitivity analysis was conducted by varying the primary transport parameters within reasonable upper and low bounds for the fractured bedrock system. The following parameters were varied as described below as part of the sensitivity analysis:

- Longitudinal Dispersivity (αx) was varied between 1 and 50 ft.
- Half-lives (λ) were varied from +/- 25%
- Porosity was varied from +/- 25%

The results of the sensitivity analysis for TCE and cis-1,2-DCE are presented on Figure 3 and Figure 4, respectively. The sensitivity analysis indicated that porosity was the most sensitive parameter, with longitudinal dispersivity being the less sensitive. The variation between the quasi-calibrated and varied parameters for TCE resulted in relatively tightly group series of results (see Figure 3). Figure 4 presents the variation between the quasi-calibrated and the varied parameters for cis-1,2-DCE. Though there was a higher degree of variability between the sensitivity results for cis-1,2-DCE, the overall variation was within reason. The results of the sensitivity analysis provides a reasonable understanding of the transport model uncertainty and indicates that the quasi-calibrated transport model can be relied on for making risk decision associated with the Point of Compliance.

e. *A sodium-permanganate solution was injected into the site subsurface at the source area in 2007 and 2008, as part of an in-situ chemical oxidation (ISCO) pilot test. Accordingly, the analytical data used to calibrate the fate-and-transport model may not be reflective of natural attenuation processes. Additional data may need to be collected to determine what, if any, impact the ISCO injections have on the current groundwater and how that may be incorporated in MT3DMS.*

Response: The intent of the pilot test was to evaluate the effectiveness of using sodium permanganate to reduce Site COC concentrations in the vicinity of the source area. Based on the a comparison of Site COC concentrations in monitoring wells IW-4 and MW-8, the pilot test resulted in reductions in PCE and TCE concentration of approximately 1 order of magnitude. Continued monitoring following the pilot test indicates that Site COC concentrations have remained relatively constant, and thus the model assumed a continuing low concentration source. Additionally, dissolved oxygen levels in the pilot test monitoring wells (MW-4a, MW-4b, MW-8, and MW-12) have fallen to concentrations of less than 1 mg/L, indicating that groundwater conditions within the test area have returned to anaerobic conditions.

Prior to the pilot test, natural attenuation processes, as indicated by the presence of both anaerobic conditions and daughter products, had been observed throughout the plume. Dissolved oxygen levels increased following the pilot test, and since have declined. Anaerobic conditions have subsequently returned within the test area, and the presence of daughter products has continually been observed throughout the downgradient portion of the plume. Based upon the available information, it is reasonable to assume that natural attenuation processes are occurring and are continuing the keep the COC plume in a state of equilibrium. Additionally, the purple color that characterizes permanganate is no longer observed in the groundwater; which is consistent with an oxidant that is highly reactive and would have been used up by the oxygen demand of the groundwater COCs, other

naturally organic matter, and oxidant scavengers in the aquifer materials (ITRC 2005, *Technical and Regulatory Guidance for In Situ Chemical Oxidation of Contaminated Soil and Groundwater*).

f. In Section 3.2, the first bullet item states that no retardation factor was assumed in the transport model. However, in Attachment A: Decay Rate Calculations, a retardation faction of 3 was used for both TCE and cis-1,2-DCE. Please explain.

Response: In the text of Section 3.2 it was indicated that the calculated decay rates for TCE and cis-1,2-DCE were 105 and 26 days, respectively. These calculated decay rates were based on a retardation factor of 1, which assumes no retardation factor was used, which is consistent with the transport model. The corrected decay rate calculation sheets based on no retardation for TCE and cis-1,2-DCE are attached.

g. Please clarify how the decay rates in Attachment A were calculated. Include equations and definitions of the terms within those equations.

Response: The decay rates were calculated as follow:

$$k_T = S_L V_x$$

Where:
k_T = Total Decay Rate (per year)
S_L = $[k_t/V_x]$ = Slope (Nature log Concentration vs. Distance from Source)
V_x = Seepage Velocity (ft/year)

$$k_B = \left(\left(1 + (2D_x\, S_L)\right)^2\right)\left(V_{xr}\ /4/_{D_x}\right)$$

Where:
k_B = Decay Rate due to Biogradation (per year)
D_x = Longitudinal Dispersivity (ft)
V_{xr} = $V_x R$ = Retarded Seepage Velocity (ft/year)
R = Retardation Factor (unitless)

$$\lambda = \frac{\ln(2)}{k}$$

Where:
λ = Half-life (years)

h. During sequential first-order decay of chlorinated ethenes, as a compound degrades, it is also being produced by the preceding compound in the sequence. An increasing concentration of vinyl chloride would be expected as cis-1,2-DCE degrades, but the solute-transport model does not account for an increasing concentration of that substance. Please explain.

Response: Vinyl chloride (VC) in groundwater can degrade through multiple pathways such as nitrate, manganese, iron, and sulfide reduction; humic acid reduction; methanogenesis; and reductive dechlorination. VC half-lives associated with these reductive mechanisms have been observed to range from 8 to 93 days (Aronson, D. and P. Howard, 1997, *Anaerobic Biodegradation of Organic Chemicals in Groundwater: A Summary of Field and Laboratory Studies*, American Petroleum Institute, et. al.). A review of cis-1,2-DCE concentration trends suggests that cis-1,2-DCE is degrading to VC and is not accumulating in the aquifer system, and VC concentrations in the vicinity of the source area have

generally been observed at less than 10 µg/L. Further, VC has been detected only rarely in downgradient monitoring wells (only twice in monitoring well OW-72 and not at all in wells OW-74A and OW-74B). The distribution of VC strongly suggests that VC is degrading rapidly; with anticipated half-life on the order of 8 to 15 days. This effectively demonstrates that VC does not present a risk downgradient of source zone; nor does VC pose a risk to the Point of Compliance.

11. *EPD has reviewed the executed site-access agreement between Airgas Industries and the responsible parties (RPs), pursuant to a request made by the RPs' attorney during a September 19, 2013 meeting with EPD. EPD has no comments on the agreement, other than that EPD is not bound by a contact between two private parties. Airgas must allow the RPs and EPD access to the property, pursuant to Condition 2 of our limitation of liability letter to Airgas, dated October 31, 2012.*

    Response: Hillshire and Rathon appreciate EPD's review of the access agreement with Airgas. The agreement was provided to keep the EPD informed of commitments related to the Site and the remediation. We understand that EPD is not a party to the agreement, and that Airgas must allow Hillshire and Rathon and EPD access to the property pursuant to EPD's limitation of liability letter to Airgas.

12. *The draft environmental covenant need not restrict property use to non-residential purposes (Item 4 in the draft covenant, "Activity and Use Limitation(s)"). The restriction on groundwater use in Item 5 fulfills the covenant's purpose. The rest of the language in the draft covenant is acceptable to EPD.*

    Response: Hillshire and Rathon appreciate EPD's review of the draft environmental covenant and the clarification you provided regarding required property and groundwater use restrictions. We will contact you in the event any issues on content of the environmental covenant arise in hoped for discussions with the neighboring property owners.

ESTIMATE ATTENUATION CONTRIBUTION DUE TO DEGRADATION
TCE

Well Name						
Distance Down-gradient	0	313	609	695	829	900
Concentration	50	40	30	20.0	10.0	5.0
Log of Concentration	3.912	3.689	3.401	2.996	2.303	1.609

Seepage Velocity	1062	ft/yr		
Retardation Factor	1			
Retarded Seepage Velocity	1062	ft/yr		
X DirectionDisperivity	1	ft.		
k/v_x	-0.00227	ft^{-1}		
Total Attenuation				
First Order Decay Rate	-2.40824	$years^{-1}$		
Haft-Life (years)	-0.29	years		
			Percent Due to Degradation	
Attenuation Due to Degradation			100%	
First Order Decay Rate	-2.40278	$years^{-1}$		
Haft-Life (years)	-0.29	years	-105.27	days
r^2	0.77168			

ref: Buscheck, O'Reilly and Nelson, 1993 "Evaluation of Intrinsic Bioremediation at Field Sites" from Proceedings, Petroleum Hydrocarbons and Organic Chemicals in Groundwater: Prevention, Detection and Restoration, NWGA/API

ESTIMATE ATTENUATION CONTRIBUTION DUE TO DEGRADATION
cis-1,2-DCE

Well Name						
Distance Down-gradient	0	208	350	611	645	700
Concentration	5,000	1,000	100	70.0	10.0	5.0
Log of Concentration	8.517	6.908	4.605	4.248	2.303	1.609

Seepage Velocity	1062	ft/yr		
Retardation Factor	1			
Retarded Seepage Velocity	1062	ft/yr		
X DirectionDisperivity	1	ft.		
k/v_x	-0.00908	ft^{-1}		
Total Attenuation				
First Order Decay Rate	-9.6392	$years^{-1}$		
Haft-Life (years)	-0.07	years		
			Percent Due to Degradation	
Attenuation Due to Degradation			99%	
First Order Decay Rate	-9.55171	$years^{-1}$		
Haft-Life (years)	-0.07	years	-26.48	days
r^2	0.923208			

ref: Buscheck, O'Reilly and Nelson, 1993 "Evaluation of Intrinsic Bioremediation at Field Sites" from Proceedings, Petroleum Hydrocarbons and Organic Chemicals in Groundwater: Prevention, Detection and Restoration, NWGA/API

Figure 1 - Measured vs. Modeled TCE Concentration

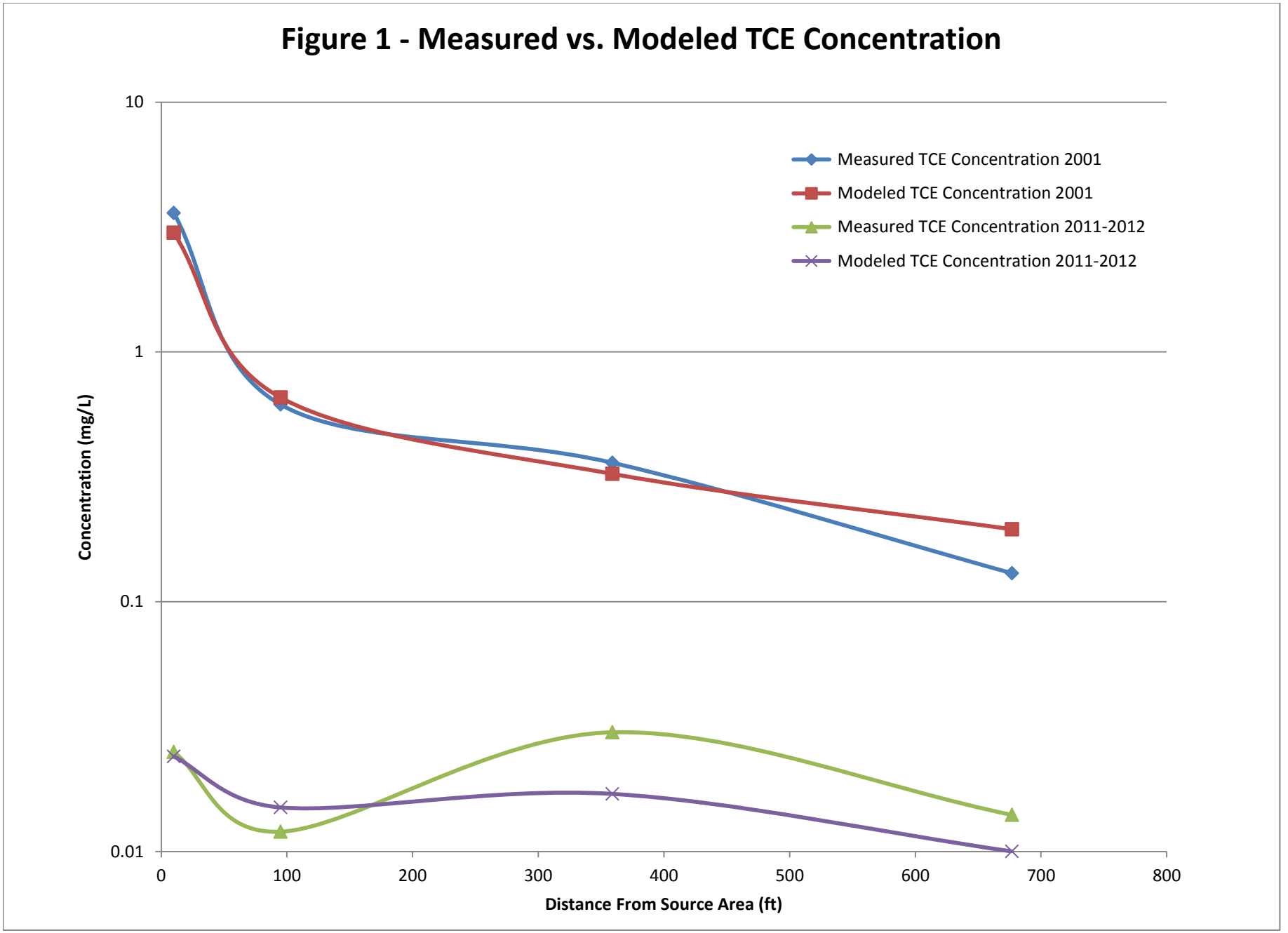


Figure 2 - Measured vs. Modeled cis-1,2-DCE Concentration

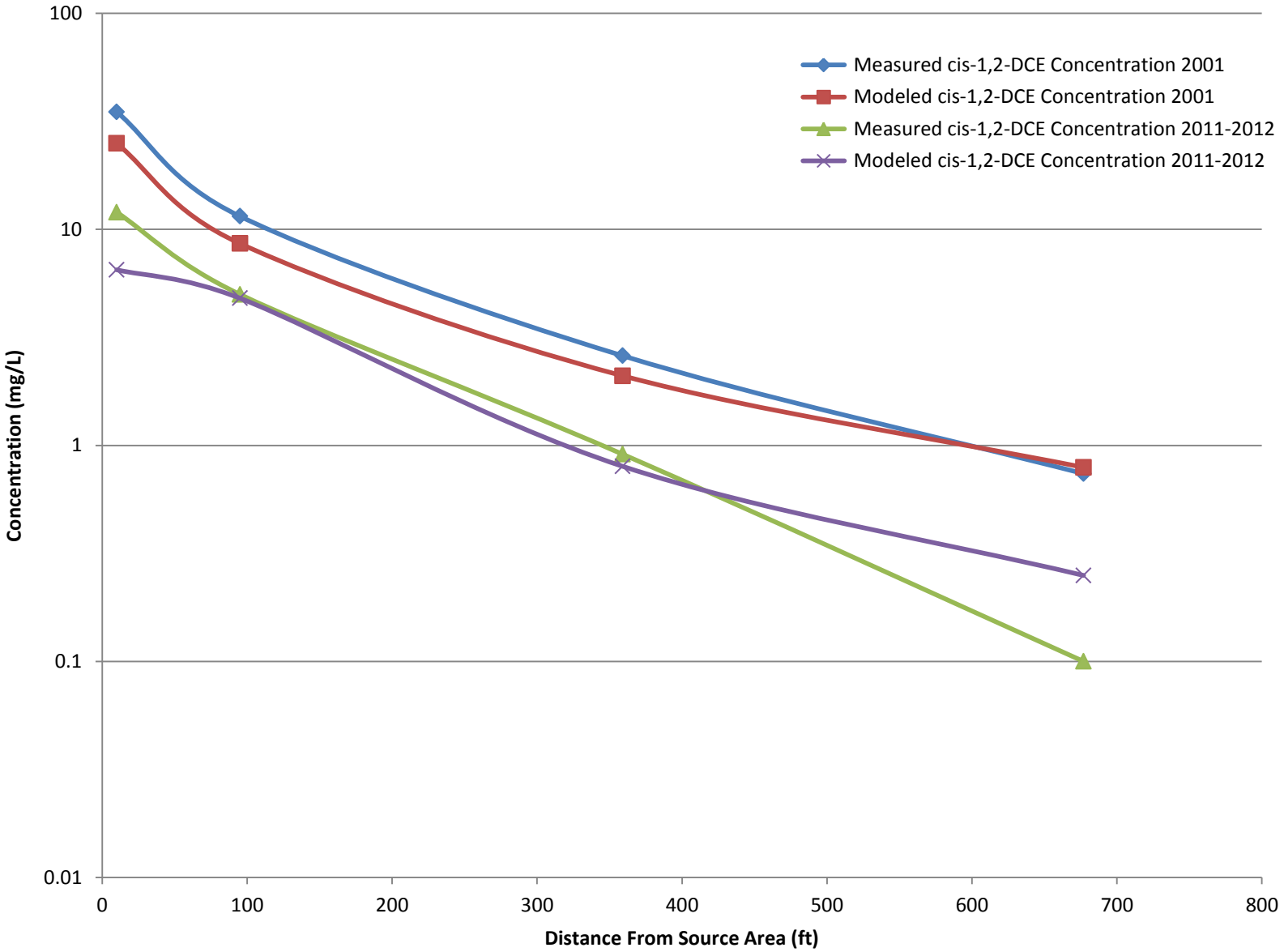


Figure 3 - Modeled TCE Sensitivity Evaluation

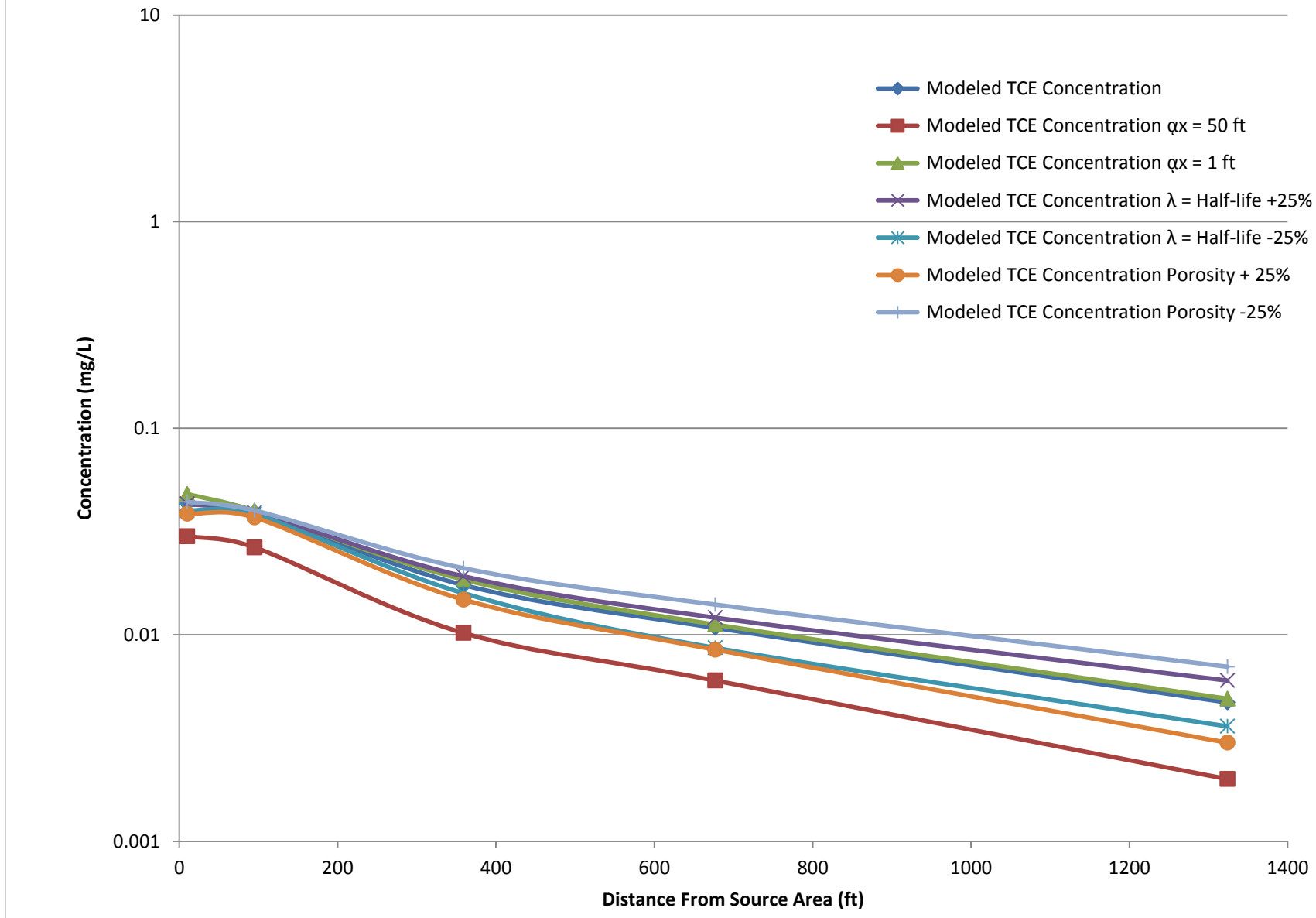
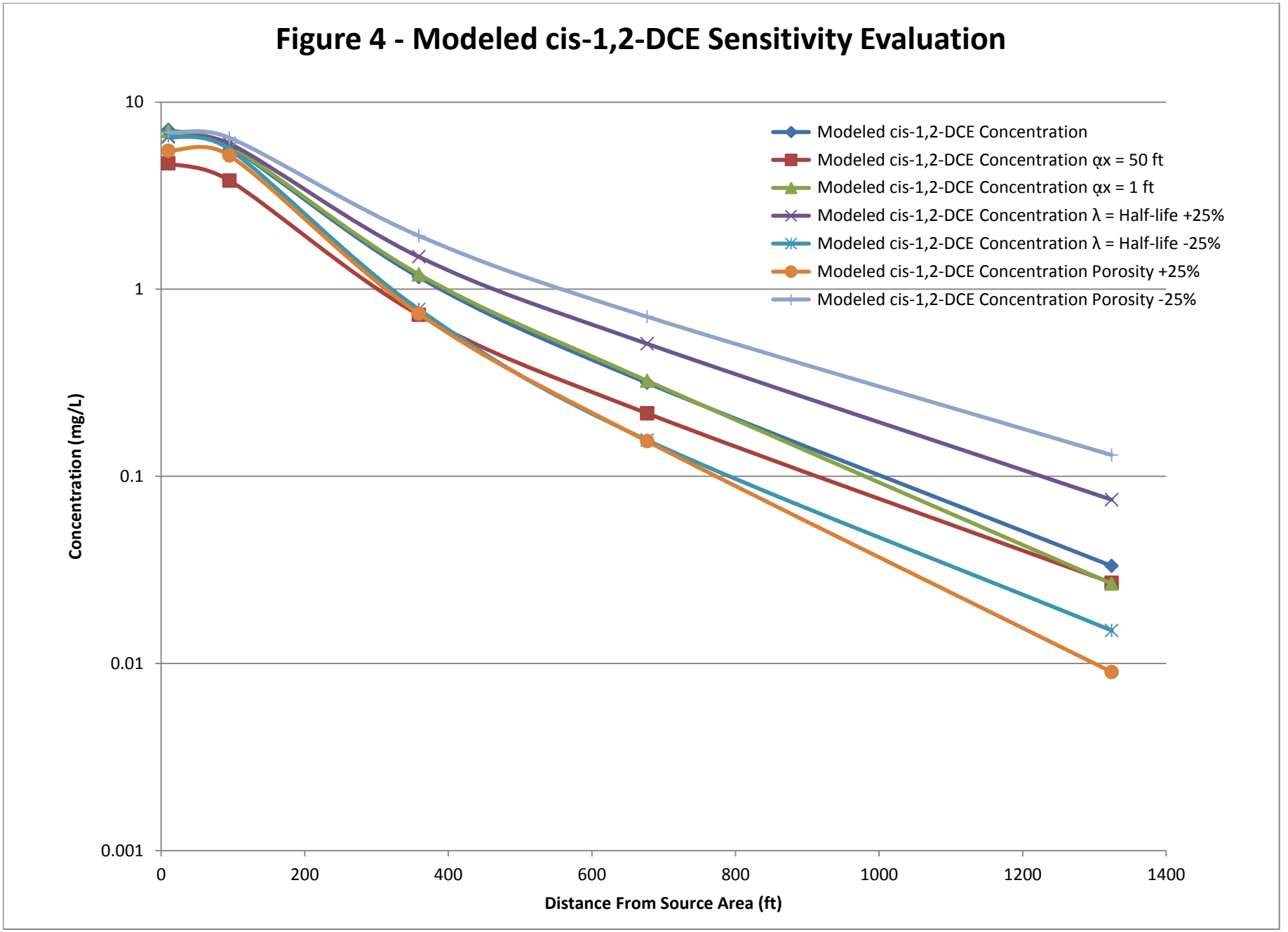


Figure 4 - Modeled cis-1,2-DCE Sensitivity Evaluation



Compare Measured and Modeled Concentrations and Sensitivity Evaluation

Former Olympic Manufacturing Site

61 L/Kg 0.005 0.305 3.05E-04

		Measured TCE Concentration 2001	Modeled TCE Concentration 2001	Measured TCE Concentration 2011-2012	Modeled TCE Concentration 2011-2012		Measured cis-1,2-DCE Concentration 2001	Modeled cis-1,2-DCE Concentration 2001	Measured cis-1,2-DCE Concentration 2011-2012	Modeled cis-1,2-DCE Concentration 2011-2012	
MW-4B	10	3.6	3	0.025	0.024		35	25	12	6.5	
MW-8	95	0.616	0.657	0.012	0.015		11.5	8.6	5	4.8	
OW-72	359	0.36	0.325	0.03	0.017		2.6	2.1	0.91	0.8	
OW-74b	677	0.13	0.195	0.014	0.01		0.74	0.791	0.1	0.25	

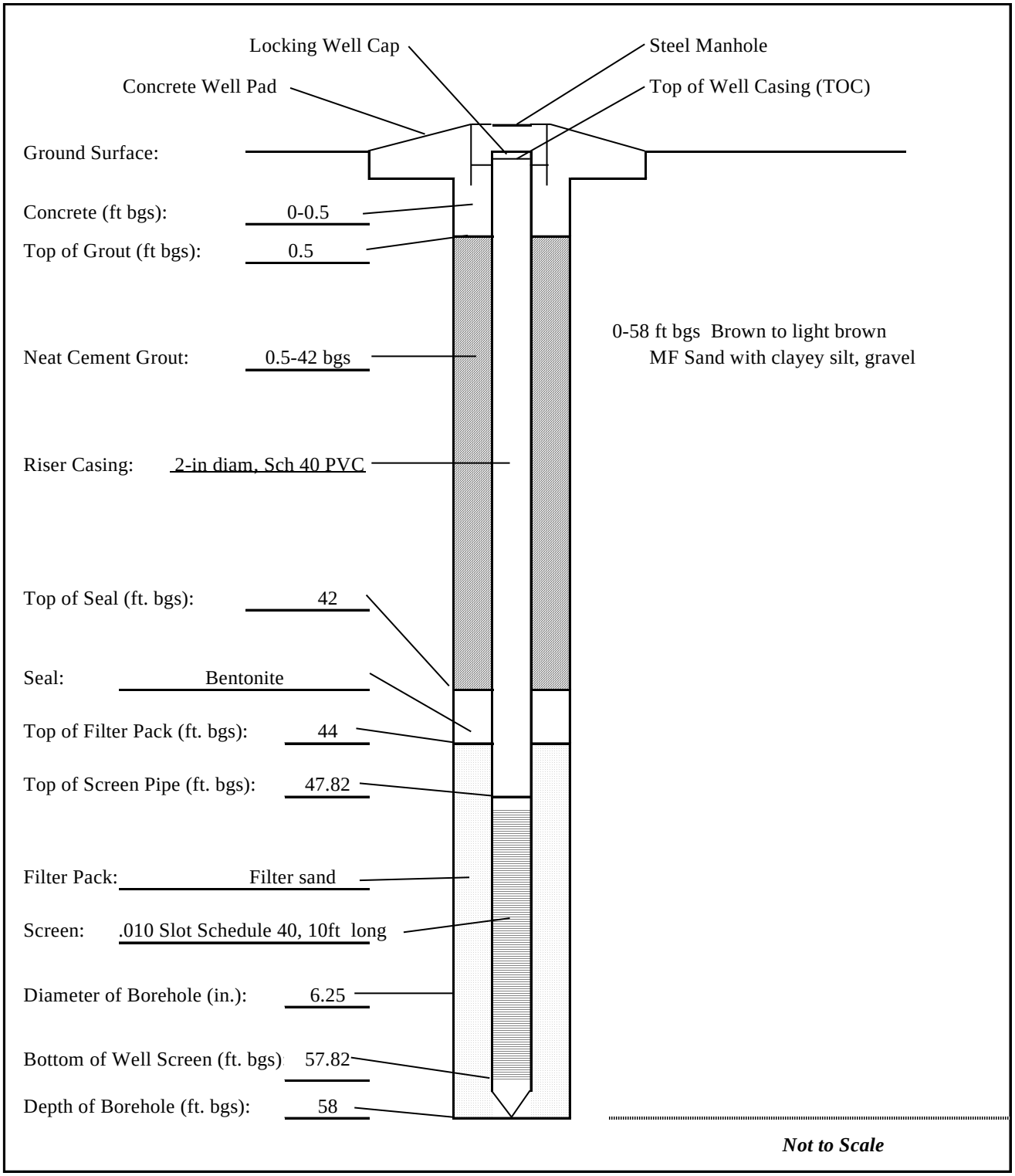
		Modeled TCE Concentration	Modeled TCE Concentration α_x = 50 ft	Modeled TCE Concentration α_x = 1 ft	Mod λ = Half-life +2	Mod λ = Half-life -25%	Modeled TCE Concentration Porosity + 25%	Modeled TCE Concentration Porosity -25%		
MW-4B	10	0.043	0.03	0.048	0.043	0.04	0.0385	0.044		
MW-8	95	0.0392	0.0265	0.0399	0.039	0.0384	0.037	0.04		
OW-72	359	0.0174	0.0102	0.0185	0.0192	0.0159	0.0148	0.021		225
OW-74b	677	0.0108	0.006	0.0112	0.0121	0.00864	0.00847	0.014		300
MW-20	1324	0.0047	0.002	0.0049	0.006	0.0036	0.003	0.007		375

		Modeled cis-1,2-DCE Concentration	Modeled cis-1,2-DCE Concentration α_x = 50 ft	Modeled cis-1,2-DCE Concentration α_x = 1 ft	Modeled cis-1,2-DC Concentration λ = Half-life +2	Modeled cis-1,2-DC Concentration λ = Half-life -25%	Modeled cis-1,2-DCE Concentration Porosity +25%	Modeled cis-1,2-DCE Concentration Porosity -25%		
MW-4B	10	7.1	4.71	7	6.5	6.6	5.5	6.87		
MW-8	95	5.8	3.81	5.87	6	5.6	5.18	6.45		
OW-72	359	1.16	0.73	1.2	1.49	0.78	0.74	1.93		
OW-74b	677	0.316	0.217	0.324	0.511	0.156	0.154	0.713		
MW-20	1324	0.0332	0.027	0.0267	0.075	0.015	0.009	0.13		

Appendix B: Well Construction Diagram for MW-21

BORING LOG and WELL COMPLETION DIAGRAM

PROJECT NAME:	Former Olympic Mfg Site	WELL NUMBER:	MW-21
PROJECT NO.:	145686	DATE COMPLETED:	2/27/14
LOCATION:	Smyrna, Georgia	PREPARED BY:	RJ, TR
Subcontractor:	Geo Lab		
Drilling Method:	HSA to 58 ft bgs		
Well Type:	2-inch Flush Mount		



Appendix C: Groundwater Sampling Field Data Sheets *(on CD Rom)*

February 2014 MW-21 Sampling

GROUNDWATER SAMPLING FIELD DATA SHEET

Brown AND Caldwell

WELL ID: MW-21

1. PROJECT INFORMATION

Project Number: 141054 Task Number: _____ Area of Concern: _____

Client: Sara Lee Personnel: Ryan Jones

Project Location: Smyrna, GA Weather: 40° F Sunny

2. WELL DATA

Date Measured: 2-28-14 Time: 0815 Temporary Well: ☐Yes ☒No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Total Depth of Well: 57.82 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Static Water: 38.28 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Product: — feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Length of Water Column: ~~57.82~~ feet 19.54 Well Volume: 3.19 gal Screened Interval (from GS): 47.8 - 57.8

Note: 1-in well = 0.041 gal/ft 2-in well = 0.163 gal/ft 4-in well = 0.653 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 2-27-14/2-28-14 Time: 2-27-14; 1509

Equipment Model(s)

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____ 1. Horiba U-53

Materials: Pump/Bailer ☐ Polyethylene ☑Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☑ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable 2. Geo Sub

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☑Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable 3. Heron WLM

4. _____

Volume to Purge (minimum): 3 well volumes or 9.56 gallons

Was well purged dry? ☑ Yes ☐ No Pumping Rate: < 0.1 gal/min Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
2-28-14 0824	<0.5	5.48	17.69	0.244	179	2.51	71000		S.N.y
0845	1.0	6.02	16.17	0.215	113	1.86	499	50.81	clearing up
0915	2.0	6.18	17.34	0.219	81	1.68	214	50.76	
0945	3.0	6.23	17.64	0.217	74	1.84	146	50.79	
1015	4.0	6.23	17.66	0.217	70	1.98	110	50.78	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☑Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☑ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☑Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: 50.78 Field Filtered? ☐ Yes ☑ No

Sample ID: 14054-MW-21 Sample Date: 2-28-14 Sample Time: 1315 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☐ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☑ Yes ☐ No ID: 14054-EB # of Containers: 2

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

well developed on 2-27-14, well went dry repeatedly prior to development completion. Equipment blank collected after decon following development. Pump set @ 50 ft bgs. 2-28-14

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

FORM GW-2 (Rev 051812 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-21

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1045	5.0	6.24	18.55	0.215	68	2.9	90	50.84	
1115	6.0	6.23	18.41	0.215	67	1.99	70	50.79	
1145	7.0	6.24	18.52	0.214	65	1.95	48	50.79	
1215	8.0	6.23	18.48	0.213	66	1.89	31	50.78	
1245	9.0	6.23	18.56	0.214	65	1.90	20	50.79	
1300	9.5	6.22	18.61	0.214	69	1.68	12.4	50.77	
1315	10.0						9.2	50.78	
	Low flow with turbidity is sm may cause temp increase								
		Sample @ 1315							

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 051812 - sej)

April 2014 Semiannual Sampling

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-2

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: BK

Project Location: Smyrna GA Weather: Rain ~ 72 °F

2. WELL DATA

Date Measured: 4.14.14 Time: 1200 Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches — Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches — Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 40 feet — From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 28.49 feet — From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: — feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 11.51 feet — Well Volume: 1.92 gal — Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4.14.14 Time: 1357

Equipment Model(s)

1. QED Bladder Pmp
2. YSI-556
3. Dr T-15CE
4.

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or 5.76 gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1407	0.50	5.60	17.79	0.148	-5.8	1.05	145	30.47	
1417	1.10	5.68	17.82	0.148	-4.4	0.96	169.3	31.40	
1427	1.75	5.74	17.97	0.151	0.2	0.91	154.3	31.95	
1437	2.50	5.78	18.06	0.156	3.5	0.85	102.8	32.25	
1447	2.75	5.79	18.07	0.158	6.6	0.78	87.4	32.33	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: 4104-MW-2 Sample Date: 4.14.14 Sample Time: 1550 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Intake at ~ 39.0 ft

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1457	3.50	5.82	18.00	0.162	9.5	0.71	85.4	32.45	
1507	4.00	5.86	17.99	0.165	11.3	0.67	119	32.52	
1517	4.50	5.84	17.90	0.167	18.2	0.63	119.7	32.66'	
1527	5.00	5.86	17.70	0.170	22.8	0.61	125.0	32.86'	
1537	5.50	5.90	17.87	0.171	25.3	0.57	151	32.89'	
1547	6.00	5.89	17.88	0.173	27.9	0.55	147	32.93	
1550	collect sample								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 11.March.10 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4a

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna GA Weather: Sunny ~ 50°F

2. WELL DATA

Date Measured: 4-16-14 4.16.14 Time: AM Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 46 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 40.69 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 5.31 feet Well Volume: 0.87 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4.16.14 Time: 0815

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or 2.61 gallons 5x = 4.35

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. QED Bladder
2. YSI-556
3. DRT-15CE
4.

Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0825	0.50	6.57	16.57	1.012	-116.4	0.92	24.2	41.00'	
0835	1.00	6.51	15.24	1.057	-113.6	0.55	13.7	40.98'	
0845	1.25	6.52	15.18	1.057	-117.7	0.42	8.08	40.98'	
0855	1.50	6.53	15.29	1.030	-121.7	0.35	5.64	41.00'	
0905	1.75	6.53	14.92	1.012	-123.4	0.32	3.95	41.02'	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: 4106-MW-4a Sample Date: 4.16.14 Sample Time: 1100 # of Containers: 7

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Intake @ ~ 45'.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

FORM GW-2 (Rev 11.March.10 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4a

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0915	2.00	6.54	15.18	0.996	-127.6	0.29	3.39	41.03'	
0925	2.25	6.55	15.21	0.985	-130.2	0.27	2.30	41.05'	
0935	2.50	6.55	15.19	0.972	-132.4	0.25	1.82	41.08'	
0945	2.75	6.55	15.16	0.963	-134.0	0.23	1.73	41.09	will keep purging
0955	3.00	6.55	15.25	0.955	-135.8	0.23	1.09	41.07	spec. cond trending
1005	3.25	6.55	15.53	0.942	-134.2	0.21	0.99	41.08	down. Not stable.
1015	3.50	6.55	15.43	0.938	-138.1	0.21	0.80	41.09	
1025	3.75	6.54	15.49	0.930	-138.9	0.19	0.78	41.09	
1035	4.00	6.56	15.63	0.924	-138.8	0.19	0.75	41.09	
1045	4.25	6.55	15.59	0.920	-141.9	0.18	0.73	41.09	
1055	4.50	6.56	15.56	0.917	-142.4	0.17	0.72	41.09	5 well vol.
		* Purged 5 well volumes b/c spec Cond							
		was not stable							

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 11.March.10 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4b

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: Brian Steele

Project Location: Smyrna GA Weather: Cloudy, chance of Rain

2. WELL DATA

Date Measured: 4.14.14 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 101 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: ~~43.13~~ 43.14 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: — feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casjng ☐Other:

Length of Water Column: 57.86 feet Well Volume: 9.66 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4.14.14 Time: 1019

Equipment Model(s)

1. QED Bladder
2. YSI-556
3. DRT-15CE
4.

Purge Method: ☐ Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: _____ gal/min Calibrated? ☑Yes ☐No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1019	0	6.78	18.35	0.360	-123.4	0.72	>1000	43.60'	
1029	0.25	8.33	18.24	0.386	-176.6	0.43	124	44.56'	
1041	0.50	8.46	19.15	0.387	-191.9	0.32	25.6	46.40	
1051	1.00	8.27	19.07	0.387	-194.6	0.27	12.8	48.00	
1101	1.25	8.02	19.23	0.386	-200.2	0.22	8.70	49.20	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: 4104-MW-4b Sample Date: 4.14.14 Sample Time: 1155 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☑Yes ☐No ID: 4104-EB @ 1215 # of Containers: 2

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Water very turbid at start

Well was micro purged due to slow flow rate & volume.

Intake at ~100 ft

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4b

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1112	1.5	7.77	19.08	0.384	-210.5	0.19	7.13	51.15	
1121	1.75	7.64	19.05	0.382	-221.8	0.19	6.70	52.70'	
1131	2.25	7.60	19.08	0.380	-229.0	0.20	6.15	54.05'	
1141	2.75	7.59	19.16	0.379	-235.1	0.21	4.74	56.07	
1151	3.00	7.60	19.13	0.379	-241.0	0.22	4.56	57.13'	
1155	collect sample								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 11.March.10 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-6

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: M

Project Location: Smyrna GA Weather: ~60° Rain

2. WELL DATA

Date Measured: 4-14-14 Time: AM Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 45 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 20.41 feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: 4.10 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4-14-14 Time: 1445

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or 12.31 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI
2. Grosub
3. QED
4.

Calibrated? ☐ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1450	2.0	6.07	19.86	.121	72.5	.87	456	22.18	
1455	3.5	6.19	19.83	.156	13.0	.63	391	22.21	
1500	7.0	6.27	19.80	.172	32.7	.34	10.8	22.21	
1505	9.0	6.28	19.82	.172	40.4	.30	8.79	22.21	
1510	11.0	6.30	19.83	.172	50.3	.30	6.11	22.21	
1515	13.0	6.30	19.82	.173	56.5	.30	4.23		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: 4104-MW-6 Sample Date: 4-14-14 Sample Time: 1515 # of Containers: 5

Duplicate Sample Collected? ☐ Yes ☑ No ID: — # of Containers: —

Equipment Blank Collected? ☐ Yes ☑ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-8

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna GA Weather: cloudy ~50°F

2. WELL DATA

Date Measured: 4.15.14 4.14.14 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 55 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 42.13 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: — feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 12.87 feet Well Volume: 2.14 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4.15.14 Time: 1204

Equipment Model(s)

1. QED Bladder
2. YSI-556
3. DRT-15CE
4.

Purge Method: ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): 3 well volumes or 6.44 gallons

Was well purged dry? ☐Yes ☑No Pumping Rate: gal/min

Calibrated? ☑Yes ☐No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1214	0.60	6.54	16.82	0.755	45.8	0.74	236	42.40'	
1224	1.25	6.52	16.80	0.707	59.8	0.58	62.3	42.40'	
1234	1.75	6.51	16.84	0.708	67.4	0.48	36.3	42.45'	
1244	2.30	6.52	17.04	0.735	67.6	0.42	23.7	42.45'	
1255	3.00	6.53	17.08	0.763	69.8	0.38	16.3	42.45	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: 1410-MW-8 Sample Date: 4.15.14 Sample Time: 1410 # of Containers: 8

Duplicate Sample Collected? ☑Yes ☐No ID: 1410-DUP @ 1200 # of Containers: 3

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Initial DTW ~ 54 FT

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-8

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1305	3.50	6.53	16.79	0.782	72.9	0.36	12.3	42.45'	
1315	4.00	6.55	16.90	0.795	73.6	0.33	9.12	42.45'	
1325	4.50	6.54	16.85	0.801	74.6	0.32	7.13	42.45'	
1335	5.00	6.54	16.97	0.804	69.2	0.30	5.23	42.45'	
1345	5.50	6.54	16.88	0.810	70.1	0.29	5.26	42.45'	
1355	6.00	6.54	16.93	0.813	69.5	0.28	4.13	42.45'	
1405	6.50	6.54	17.48	0.816	58.8	0.26	3.20	42.45'	
1410	collect	A	sample						

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 11.March.10 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-11

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: Kala

Project Location: Smyrna GA Weather: ~70° Rain

2. WELL DATA

Date Measured: 4-14-14 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 38 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 20.23 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 17.77 feet Well Volume: 2.97 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4-15-14 Time: 0820

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or 8.90 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI
2. DRT
3. GedSub
4.

Calibrated? ☑Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0825	2.5	6.91	17.41	.327	-115.4	2.35	9.81	21.03	
0830	4.0	6.47	17.47	.336	-130.7	1.07	7.89	21.03	
0835	6.0	6.44	17.45	.336	-143.5	1.06	6.89	21.03	
0840	7.5	6.45	17.38	.336	-148.0	.67	4.19	21.17	
0845	8.5	6.45	17.18	.336	-147.8	.65	2.17	22.31	
0850	10.0	6.45	17.23	.336	-149.8	.68	3.21		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: 141054-MW-11 Sample Date: 04-15-14 Sample Time: 0850 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-12

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna GA Weather: light rain

2. WELL DATA

Date Measured: 4.15.14 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches — Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches — Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 46 feet — From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 37.53 feet — From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: — feet — From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 8.47 feet — Well Volume: 1.41 gal — Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4.15.14 Time: 0853

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

1. QED Bladder

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

2. YSI-556

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

3. DRI-ISLE

4.

Volume to Purge (minimum): 3 well volumes or 4.24 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Calibrated? ☑Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0853	0.5	6.38	16.76	0.375	-92.8	0.39	91.53	37.65	
0913	1.00	6.39	16.59	0.376	-106.6	0.40	58.1	37.75'	
0923	1.5	6.42	16.52	0.377	-114.6	0.44	28.0	37.80'	
0933	2	6.45	16.69	0.377	-112.9	0.43	17.8	37.90'	
0943	2.5	6.48	16.63	0.373	-117.1	0.37	6.22	37.90	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: 4105-MW-12 Sample Date: 4.15.14 Sample Time: 1025 # of Containers: 7

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Intake at 45'.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-12

Ca

3. PURGE DATA (continued from page ( ))

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0953	3	6.50	16.73	0.370	-119.0	0.34	5.23	37.90'	
1003	3.5	6.50	16.71	0.367	-125.3	0.32	3.32	37.90'	
1013	4	6.52	16.72	0.363	-133.7	0.30	2.50	37.90'	
1023	4.5	6.52	16.62	0.361	-136.1	0.29	2.15	37.90'	
1025	collect sample								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 11.March.10 - sej)

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-20

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: MJ

Project Location: Smyrna GA Weather: ~60° overcast

2. WELL DATA

Date Measured: 4-14-14 Time: am Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 45 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 32.42 feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 12.58 feet Well Volume: 2.10 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4-4-14 Time: 1155

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

1. Geo Sub

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☑ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

2. YSI

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

3. DRI

4.

Volume to Purge (minimum): 3 well volumes or 6.30 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1200	1.5	6.70	16.51	.493	30.2	1.82	<1000	11-32.43	
1205	2.0	6.24	16.90	.274	60.6	2.62	<1000	32.43	
1210	2.5	5.69	17.08	.171	84.3	4.73	719	32.46	
1215	3.0	5.12	17.50	.078	114.3	6.52	222	32.51	
1220	5.0	5.00	17.07	.057	114.4	6.86	68.1	32.51	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☑ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: 14104-mw20 Sample Date: 4-14-14 Sample Time: 1235 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: ~ # of Containers: ~

Equipment Blank Collected? ☐ Yes ☑ No ID: ~ # of Containers: ~

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

VOCs only

Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-20

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1225	6.0	5.03	17.10	.055	117.1	6.90	54.0	32.51	
1230	7.0	5.03	16.97	.055	124.2	6.91	52.0	32.51	
1235	8.0	5.03	16.92	.055	126.4	6.91	53.9	32.51	
		pH, Spec Cond, DO, Turb stable. Sample							
		at 1235 due to turb being stable &							
		VOC only analyte sampled							

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 11.March.10 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-21

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ Area of Concern: _____

Client: Sam Lee Personnel: Skala

Project Location: _____ Weather: ~60° Rain

2. WELL DATA

Date Measured: 4-14-14 Time: 0m Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches — Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: 2 inches — Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: 57.62 feet — From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: 38.91 feet — From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: — feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: 18.91 feet — Well Volume: 3.15 gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4-14-14 Time: 1350

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☑ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or 9.47 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. YSI
2. GeoSub
3. DRT
4. _____

Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1355	2.5	6.01	18.82	.244	158.1	.67	730	52.31	.244 Spec
1400	3.0	6.06	18.37	.237	162.5	1.09	-	53.08	slowed to minimum
			Well DRY at 1400. TD = 53.18						

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 1404-MW21 Sample Date: 4-14-14 Sample Time: 1405 # of Containers: _____

Duplicate Sample Collected? ☐ Yes ☑ No ID: — # of Containers: —

Equipment Blank Collected? ☐ Yes ☑ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

T. Reifenberger says not analyze sample and to sample on a later date w/ additional purging + Stability.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Skala
Signature

FORM GW-2 (Rev 11.March.10 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-21

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ Area of Concern: _____

Client: Stark Lee Personnel: [illegible] Kala

Project Location: _____ Weather: ~52° Sunny

2. WELL DATA

Date Measured: 4-14-14 Time: AM Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: ~~57.87~~ 53.18 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: 38.91 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: 18.91 feet Well Volume: ~~3.15~~ 2.38 gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4-14-14 Time: 0830

Purge Method: ☐ Bailer, Size: _____ ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☑ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or ~~9.47~~ 7.14 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. YSI
2. 1 3/4 Bladder
3. ORT
4. _____

Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0840	.5	6.32	17.30	.281	201.8	1.91	153	39.81	TD=53.18
0855	1.75	6.19	17.69	.265	178.9	1.61	159	44.26	slow to 2 LPM
0910	2.5	6.15	17.11	.263	171.3	1.56	180	45.00	
0925	3.0	~~6.18~~	17.28	.261	166.6	1.53	89	48.70	
0940	4.0	6.10	17.40	.253	160.0	1.40	63	50.00	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☑ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 14106-MW-21 Sample Date: 4-16-14 Sample Time: 1140 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Resampled after initial purging (4/14/14) to achieve additional purging + stabilized parameters.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

FORM GW-2 (Rev 11.March.10 - sej)

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-21

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0955	4.40	6.12	17.00	.252	155.9	1.58	50	50.11	1 GPM
1010	4.60	6.13	16.62	.260	155.4	1.87	59	48.91	
1025	5.00	6.11	16.79	.256	154.6	1.93	35	48.83	
1040	5.25	6.08	16.62	.259	155.5	2.08	28	48.11	2 GPM
1055	5.75	6.14	17.70	.259	144.4	1.62	16	48.78	
1110	6.50	6.11	17.92	.259	138.2	1.62	10.6	49.23	1 GPM
1125	6.90	6.11	17.53	.259	137.3	1.62	9.93	49.71	
1140	7.20	6.12	17.51	.259	137.1	1.62	5.23	—	
			1140	Sample pH, Spec, ORP, DO, Turb					

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 11.March.10 - sej)

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-72A

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: SKala

Project Location: Smyrna GA Weather: ~50 overcast

2. WELL DATA

Date Measured: 4-14-14 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 135 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 74.41 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 60.59 feet Well Volume: 10.11 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4-15-14 Time: 1350

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or 30.36 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI
2. DRT
3. Geosub
4.

Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1400	4.0	6.13	17.81	.241	6.6	.18	17.9	85.05	
1410	7.0	6.06	18.27	.372	-43.4	.20	8.6	86.11	
1420	11.0	6.04	18.19	.389	-50.4	.30	3.18	89.00	
1430	15.0	6.03	18.12	.422	-55.1	.26	2.91	89.88	
1440	19.0	6.03	18.17	.434	-58.7	.22	.72	91.03	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: 141054-OW-72A Sample Date: 4-15-14 Sample Time: 1510 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

SKala

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-72A

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1450	23.0	6.02	18.05	.443	-62.7	.19	.31	92.81	
1500	27.0	6.02	18.10	.442	-63	.20	.08	93.12	
1510	31.0	6.02	19.04	.442	-63.4	.18	.03	93.76	
				1510	sample				
				pH	spc	ORP	DO		

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 11.March.10 - sej)

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-74A

1. PROJECT INFORMATION

Project Number: 141054 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: dj

Project Location: Smyrna GA Weather: ~50 Rain

2. WELL DATA

Date Measured: 4-16-14 Time: Am Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 81 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 16.41 feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 64.59 feet Well Volume: 10.79 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 4-15-14 Time: 0955

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): 3 well volumes or 32 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s): 1. YSI 2. QED 3. Geosub 4.

Calibrated? ☑ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1000	3.0	5.67	16.50	.164	24.8	2.43	111	16.79	
1005	5.0	5.67	16.77	.197	22.4	1.54	78	16.79	
1010	6.0	5.65	16.66	.209	18.4	.95	33	16.79	Tub.ng fell off
1020	8.0	5.64	16.83	.234	9.1	.66	11.08	16.79	
1030	11.0	5.64	17.07	.246	-3.4	.45	3.21	16.79	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: 14105-EB Sample Date: 4-15-14 Sample Time: 1255 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☐ No ID: # of Containers:

Equipment Blank Collected? ☑ Yes ☐ No ID: 14105-EB # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-74A

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1040	13.0	5.63	17.7	.243	-15.8	.60	2.01	16.68	issue w/ pump
1050	15.0		YSI	stopped working at 15 gal					
			AIR	to bring new one.					
1210			Resume	Purge w/	new YSI				
1220	18.0	5.60	16.79	.244	116.6	.60	.73	16.51	
1230	22.0	5.60	16.76	.245	114.0	.38	.61	16.66	
1240	27.0	5.60	16.85	.245	110.9	.37	1.01	16.72	
1250	30.0	5.61	16.75	.245	116.1	.31	.33	16.81	
1255	32.0	5.61	16.77	.245	116.7	.31	.21	16.81	
			1255	Sample,	pH,	Spec,	DO		
			1410S-	EB at	1305				

Purge data continued on next sheet? ☐

Signature

Appendix D: Current and Historical Purging Data *(on CD Rom)*

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-1	Mar/96	2	1.0		53.3 F	6.60		0.002
		4	2		55.8 F	6.59		0.002
		6	3		60.3 F	6.59		0.002
	Nov/97	0	0	195	21 C	7.50		0.260
		20	10	48	21 C	6.40		0.190
		30	15	19.8	21 C	5.60		0.200
		40	20	28.9	21 C	5.80		0.200
		45	22.5	19.5	21 C	5.80		0.200
	Dec/98	1	0.5		61.6 F	6.17		2.300
		2.5	1.25		65.8 F	6.23		0.402
		3.5	1.75		65.6 F	6.36		0.263
		6	3		66.1 F	6.34		0.253
		8	4		66.3 F	6.32		0.251
	Apr-01	2	1	19	22.9 C	5.98	1.62	0.216
		4	2	10	22.8 C	6.07	0.34	0.203
		6	3	5	22.7 C	6.06	0.29	0.200
	May-02	2	1	369	21.2 C	5.26	0.05	0.208
		4	2	999	21.2 C	4.79	0.07	0.204
		6	3	243	21.2 C	5.14	0.06	0.204
	Sep-03	1.4	0.7	122	21.6 C	6.37	1.27	0.187
		2.8	1.4	74	21.5 C	6.18	0.63	0.185
		4	2	56.3	21.8 C	6.00	0.74	0.176
		5	2.5	17.4	21.8 C	5.96	1.02	0.172
		5.5	2.8	8.5	21.8 C	5.98	1.02	0.171
MW-1R	May-04	1	1.08	534	25.72 C	6.38	0.84	0.241
		2	2.15	139	26.85 C	6.33	0.64	0.234
		2.5	2.69	73.4	27.57 C	6.31	0.54	0.225
		4	4.30	29.1	27.87 C	6.28	0.60	0.220
		5	5.38	8.4	27.29 C	6.28	0.94	0.219
	Jul-06	4	4.30	106	26.93 C	7.67	2.15	0.290
		5	5.38	92	26.54 C	7.23	2.56	0.350
		6	6.45	72	26.41 C	7.41	2.62	0.360
		7	7.53	44	26.51 C	7.34	2.60	0.390
		9	9.68	31	26.48 C	7.39	2.59	0.360
	Apr-07	0.1	0.09	364.3	21.17 C	6.46	0.87	0.395
		1	0.92	88.5	21.3 C	6.62	0.42	0.392
		1.2	1.10	18.4	21.26 C	6.65	0.45	0.391
		1.5	1.38	12.5	21.33 C	6.64	0.46	0.391
		3	2.75	8.5	21.69 C	6.69	0.43	0.390
		3.3	3.03	6.3	21.89 C	6.70	0.42	0.388
	Oct-07[a]	0.1	0.14	above range	18.16 C	6.74	3.30	0.389
		1	1.41	630	23.67 C	6.59	0.94	0.365
		1.25	1.76	560	22.98 C	6.61	0.69	0.369
		1.3	1.83	340	22.52 C	6.60	0.44	0.371
		1.37	1.93	300	22.28 C	6.61	0.33	0.376
		1.45	2.04	400	24.85 C	6.62	0.27	0.374
		2.2	3.10	1080	26.07 C	6.57	0.19	0.364
		2.57	3.62	373	23.45 C	6.51	1.89	0.358
		2.7	3.80	223	24.04 C	6.53	2.64	0.356
		2.8	3.94	871	24.97 C	6.53	2.78	0.355
		2.9	4.08	436	24.86 C	6.54	2.86	0.353
	Apr-08[a]	0.5	0.47	338	22.72 C	6.32	0.46	0.468
		1.25	1.17	145	22.91 C	6.39	0.57	0.464
		1.75	1.64	125	23.75 C	6.41	0.37	0.465
		2.25	2.10	74.3	24.27 C	6.47	0.31	0.469
		2.75	2.57	78.6	24.03 C	6.43	0.23	0.466
		3.25	3.04	77.9	24.79 C	6.46	0.31	0.465
		3.75	3.50	99.8	24.21 C	6.43	0.43	0.463
		4.25	3.97	265	24.07 C	6.45	0.62	0.463
		4.75	4.44	386	23.92 C	6.46	0.60	0.463
		5	4.67	230	23.9 C	6.39	0.46	0.463
		5.25	4.91	180	23.58 C	6.44	0.61	0.462
		5.5	5.14	183	23.73 C	6.45	0.16	0.463
	Oct-08[a]	0.1	0.15	276	21.78 C	6.18	1.11	0.435
		0.2	0.31	232	22 C	6.03	1.15	0.435
		0.25	0.38	207	22.23 C	5.97	1.14	0.435
		0.3	0.46	131	22.32 C	5.93	1.11	0.435
		0.4	0.62	78.1	22.35 C	5.90	1.06	0.434
		0.5	0.77	44.8	22.41 C	5.89	1.02	0.433
		0.6	0.92	43.6	22.24 C	5.87	0.97	0.433
		0.7	1.08	37.6	22.07 C	5.86	0.90	0.432
		0.77	1.18	42.1	21.8 C	5.84	0.86	0.431
		0.85	1.31	43.2	21.24 C	5.81	0.82	0.430
		0.95	1.46	45.5	20.99 C	5.80	0.80	0.431
		1.05	1.62	42.7	20.24 C	5.81	0.75	0.429
		1.15	1.77	41.9	20 C	5.79	0.70	0.429
		1.25	1.92	43	19.72 C	5.79	0.69	0.429
		1.35	2.08	40.9	19.62 C	5.77	0.65	0.427
		1.45	2.23	36.7	19.18 C	5.76	0.64	0.426

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-1R		1.55	2.38	37.6	19.04 C	5.75	0.64	0.424
		1.65	2.54	42.5	18.99 C	5.76	0.65	0.424
		1.75	2.69	31.5	18.97 C	5.75	0.64	0.423
		1.85	2.85	33.4	18.98 C	5.75	0.63	0.423
		1.9	2.92	32.7	18.97 C	5.75	0.63	0.422
		1.95	3.00	32.5	18.97 C	5.76	0.62	0.422
	Apr-09[a]	0.1	0.10	506	21.91 C	6.49	1.92	0.318
		0.3	0.31	733	22.59 C	6.49	0.57	0.324
		0.5	0.52	181	23.38 C	6.45	0.44	0.320
		0.7	0.72	85.3	23.74 C	6.46	0.47	0.320
		1	1.03	63.5	23.47 C	6.43	0.59	0.321
		1.4	1.44	39.2	24.00 C	6.42	0.67	0.322
		1.7	1.75	35.3	23.81 C	6.41	0.73	0.323
		1.9	1.96	24.6	23.81 C	6.40	0.73	0.324
		2.1	2.16	321	24.33 C	6.41	0.78	0.325
		2.3	2.37	223	24.05 C	6.40	0.89	0.324
		2.7	2.78	298	25.03 C	6.45	1.45	0.325
		3.2	3.30	210	24.13 C	6.42	0.45	0.325
		3.75	3.87	145	23.96 C	6.43	0.30	0.327
		4.5	4.64	198	24.91 C	6.45	0.41	0.332
		5	5.15	225	24.23 C	6.40	1.11	0.325
		5.05	5.21	390	18.85 C	6.48	3.08	0.345
		5.3	5.46	305	19.56 C	6.42	4.81	0.322
		5.4	5.57	213	19.14 C	6.40	4.31	0.320
		5.5	5.67	163	18.32 C	6.38	4.17	0.318
		5.55	5.72		17.70 C	6.37	7.13	0.318
		5.6	5.77	154	17.38 C	6.36	6.78	0.318
		5.65	5.82		17.35 C	6.35	3.33	0.317
		5.65	5.82	115	17.50 C	6.35	3.35	0.318
		5.7	5.88	86.4	17.60 C	6.35	3.29	0.317
		5.75	5.93	69.2	17.77 C	6.35	3.08	0.317
		5.8	5.98	58.7	17.85 C	6.35	2.89	0.317
		5.8	5.98	55.6	17.99 C	6.35	2.86	0.317
		5.8	5.98	59.1	18.02 C	6.35	2.87	0.317
	Oct-09	0.25	0.22	183.5	21.37 C	6.74	0.66	0.240
		1	0.86	52.5	21.72 C	6.73	0.57	0.222
		1.35	1.16	30.4	21.90 C	6.66	0.50	0.222
		1.6	1.38	21.5	21.94 C	6.65	0.41	0.220
		1.9	1.64	12.8	22.01 C	6.65	0.36	0.221
		2.05	1.77	10.06	22.07 C	6.64	0.33	0.220
		2.2	1.90	9.96	22.11 C	6.65	0.33	0.220
	Apr-10	0.5	0.39	179	21.56	5.89	0.52	0.194
		1	0.78	100.8	21.93	5.96	0.56	0.193
		1.5	1.17	35.3	22.13	6.06	0.50	0.194
		2	1.56	24.5	22.37	6.08	0.39	0.193
		2.5	1.95	8.78	22.64	6.08	0.32	0.185
		3	2.34	7.94	22.45	6.05	0.29	0.176
		3.5	2.73	6.66	22.50	6.00	0.27	0.175
		4	3.13	17.1	22.54	6.01	0.27	0.172
		4.5	3.52	40.6	22.59	5.96	0.28	0.176
		4.75	3.71	60.2	22.95	6.03	0.24	0.177
		5	3.91	55.9	23.05	6.04	0.63	0.184
		5.5	4.30	28.1	22.64	6.10	0.37	0.193
		5.75	4.49	23.8	22.75	6.11	0.35	0.194
		5.9	4.61	23	22.77	6.13	0.37	0.194
	Oct-10	0.5	0.5	5.85	22.73	6.28	0.39	0.298
		4.25	3.9	384	39.61	6.23	0.59	0.258
		5.25	4.9	31.3	24.85	6.29	2.96	0.252
		5.5	5.1	24.1	25.04	6.27	3.28	0.252
		5.75	5.3	29.8	24.34	6.25	3.37	0.252
	Apr-11[a]	0.75	0.6	33.1	22.49	6.31	3.08	0.221
		1.5	1.3	40.2	23.56	6.31	1.72	0.221
		3.5	2.9	188	22.96	6.34	1.51	0.213
		4.5	3.8	61.8	24.21	6.33	2.34	0.205
		5	4.2	113	24.94	6.33	2.08	0.212
		5.25	4.4	33.7	23.78	6.38	2.05	0.217
		6	5.0	22.1	23.37	6.39	1.00	0.227
		6.25	5.2	20.9	23.58	6.37	1.02	0.227
		6.5	5.4	28.1	24.04	6.36	1.11	0.225
		6.75	5.6	29.1	24.1	6.39	1.45	0.225
	Oct-11	0.25	0.3	108	22.03	5.63	1.58	0.266
		0.75	0.9	69.5	21.88	5.93	0.61	0.262
		1.25	1.5	109	22.00	5.96	0.56	0.261
		1.5	1.8	301	22.16	6.15	0.82	0.262
		1.75	2.1	594	22.98	6.25	0.7	0.266
	Apr-12	0.5	0.6	124	21.86	6.35	1.17	0.254
		1	1.1	120	22.06	6.33	1.30	0.254
		1.25	1.4	117	22.25	6.34	1.32	0.254
		2	2.2	18.6	22.53	6.32	1.03	0.253

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-1R		2.5	2.8	11.1	22.59	6.32	0.77	0.252
		3	3.3	17.8	22.55	6.31	0.61	0.252
		3.25	3.6	49.4	22.55	6.30	0.55	0.252
		3.5	3.9	33.3	22.23	6.26	0.54	0.251
	Oct-12	0.25	0.4	364	24.35	6.23	0.81	0.278
		0.5	0.7	64.2	24.45	6.27	0.51	0.275
		0.75	1.1	19.1	25.26	6.48	0.39	0.274
		1	1.4	9.73	25.06	6.4	0.42	0.274
		1.25	1.8	9.6	25.87	6.43	0.35	0.273
		1.5	2.1	11.4	26.23	6.4	0.38	0.273
		1.75	2.5	31.2	26.1	6.4	0.36	0.273
		2.25	3.2	29.7	26.31	6.39	0.43	0.273
		2.5	3.5	40.25	26.44	6.42	0.35	0.273
		2.75	3.9	36.4	25.9	6.42	0.4	0.274
	Apr-13	0.5	0.5	178	22.31	6.19	0.42	0.181
		1.50	1.6	41.8	22.65	6.2	0.210	0.176
		2.00	2.2	29.4	22.72	6.19	0.190	0.177
		2.75	3.0	53.1	23.14	6.19	0.380	0.176
		3.00	3.2	205	23.65	6.19	0.740	0.175
		3.75	4.0	20.6	24.73	6.17	0.200	0.176
		4.25	4.6	14.7	23.86	6.16	0.140	0.179
		5.00	5.4	63	24.03	6.14	0.130	0.178
MW-2	Mar-96	3	1.2		48.3 F	5.66		0.265
		6	2.3		54.7 F	6.01		0.305
		8	3.1		57 F	6.05		0.310
	Nov-97	0	0.0	1080	17 C	6.70		0.270
		20	7.7	157	16 C	6.00		0.340
		30	11.5	21	16 C	6.10		0.370
		35	13.5	9.71	16 C	6.20		0.410
	Dec-98	1	0.4		59.8 F	5.77		5.490
		3	1.2		63.3 F	5.74		0.404
		5	1.9		64.1 F	5.75		0.324
		7	2.7		64.3 F	5.84		0.302
	Apr-01	3	1.2	4	19.9 C	5.28	0.45	0.200
		6	2.3	4	19.6 C	5.23	1.27	0.187
		9	3.5	3	19.6 C	5.25	1.43	0.187
	May-02	1	0.4	98	19.1 C	5.35	0.24	0.402
		2	0.8	67	19.2 C	5.73	0.52	0.512
		3	1.2	23	19.2 C	5.58	0.51	0.541
	Sep-03[b]	2.6	1.0	386	19.7 C	5.36	7.29	0.188
		5.2	2.0	113	20.0 C	5.70	3.91	0.222
		7.8	3.0	52.8	20.0 C	5.94	2.69	0.235
		11	4.2	29.8	20.5 C	6.17	1.38	0.263
		13	5.0	43.2	20.0 C	6.20	0.73	0.264
		15	5.8	35.9	20.3 C	6.23	0.83	0.278
		17	6.5	47.2	19.5 C	6.22	0.95	0.262
		18	6.9	56.5	19.4 C	6.27	1.00	0.285
	May-04	1	0.6	37.7	22.11 C	5.51	0.85	0.180
		1.5	0.9	22.2	24.79 C	5.58	1.16	0.194
		2	1.2	18.6	25.78 C	5.61	0.98	0.204
		2.5	1.5	11.4	27.32 C	5.64	1.17	0.216
		3	1.8	10.9	27.38 C	5.66	1.05	0.222
		3.5	2.1	8.2	26.25 C	5.76	1.02	0.232
		4	2.5	18.7	22.39 C	5.94	2.05	0.323
		4.5	2.8	15.6	23.4 C	5.92	1.85	0.316
		5	3.1	9.5	26.51 C	5.92	2.60	0.318
		5.5	3.4	8.9	27.22 C	5.97	1.96	0.318
		6	3.7	8.5	26.94 C	5.96	1.95	0.318
	Jul-06	2	1.2	164	20.67 C	7.17	0.35	0.193
		4	2.5	75.3	21.85 C	7.17	0.24	0.218
		6	3.7	37.2	21.4 C	7.19	0.42	0.266
		8	4.9	24.8	22.17 C	7.15	0.49	0.283
		10	6.1	9.9	22.38 C	7.18	0.75	0.278
	Apr-07	0.5	0.5	417	19.25 C	5.91	1.31	0.187
		1	1.0	159	19.44 C	6.08	0.45	0.212
		1.5	1.5	77.4	19.36 C	6.13	0.39	0.222
		2	2.1	40.2	19.54 C	6.26	0.52	0.270
		2.5	2.6	31.7	19.63 C	6.28	0.40	0.275
		4	4.1	17.8	19.54 C	6.31	0.71	0.303
		7.5	7.7	86.4	21.1 C	6.37	4.40	0.322
		10	10.3	64.5	20.71 C	6.40	4.67	0.334
		11	11.3	35.3	21.09 C	6.33	3.65	0.318
		11.25	11.6	21.3	21.07 C	6.33	3.62	0.318
		12	12.4	12.5	20.97 C	6.34	3.81	0.324
		12.25	12.6	8.3	20.83 C	6.34	3.73	0.325
	Oct-07	0.25	0.3	347.0	17.51 C	5.91	1.68	0.235
		0.50	0.6	231.0	18.01 C	5.72	1.36	0.241
		0.75	0.9	336.0	17.83 C	5.78	2.04	0.257
		1.00	1.1	153.0	17.92 C	5.81	4.02	0.269

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-2	Oct-07	1.50	1.7	401.0	17.72 C	5.91	1.56	0.287
		2.00	2.3	326.0	17.96 C	5.93	1.31	0.323
		2.50	2.9	305.0	18.29 C	5.95	2.26	0.343
		2.75	3.2	13.9	18.38 C	5.84	3.31	0.320
		3.50	4.0	21.3	18.35 C	5.83	2.45	0.319
		3.75	4.3	24.1	18.18 C	5.87	1.95	0.343
		4.00	4.6	20.6	18.25 C	5.89	1.95	0.349
		4.50	5.2	16.8	18.13 C	5.89	1.75	0.354
	Apr-08[a]	0.00	0.0	56.2	17.21 C	5.56	1.47	0.239
		0.45	0.4	62.5	17.84 C	5.65	1.31	0.210
		1.00	0.9	83.3	17.83 C	5.66	0.75	0.207
		1.25	1.2	83.3	17.76 C	5.67	0.67	0.208
		1.70	1.6	68.6	17.74 C	5.70	0.50	0.210
		2.00	1.9	58.2	17.76 C	5.72	0.46	0.214
		2.30	2.1	38.5	17.93 C	5.84	0.35	0.232
		2.80	2.6	24.7	18.06 C	5.92	0.31	0.246
		3.30	3.1	16.8	18.24 C	5.97	0.29	0.252
		3.35	3.1	14.4	18.09 C	6.00	0.32	0.256
		3.40	3.1	11.6	18.13 C	5.99	0.33	0.259
		3.50	3.2	9.31	18.04 C	6.02	0.28	0.262
	Oct-08	0.20	1.0	198.0	14.52 C	6.04	4.22	0.255
		0.40	2.0	81.6	15.22 C	6.15	3.49	0.249
		0.60	3.0	201.0	16.6 C	6.26	3.94	0.258
		0.80	4.0	198.0	16.1 C	6.22	3.62	0.274
		1.00	5.0	211.0	16.22 C	6.25	2.58	0.290
	Apr-09[a]	0.00	0.0		16.53 C	5.85	3.30	0.194
		0.15	0.1	46.2	16.45 C	5.80	3.03	0.192
		0.20	0.2	32.1	16.35 C	5.80	2.87	0.191
		0.25	0.2	24.7	16.19 C	5.75	2.81	0.190
		0.30	0.2	20.2	16.24 C	5.74	2.73	0.189
		0.35	0.3	16.3	16.34 C	5.73	2.73	0.189
		0.40	0.3	14.9	16.39 C	5.74	2.50	0.190
		0.45	0.3	12.3	16.46 C	5.74	2.42	0.192
		0.50	0.4	10.3	16.82 C	5.76	2.34	0.194
		0.50	0.4	10.2	17.04 C	5.76	2.33	0.195
		0.55	0.4	9.43	17.31 C	5.78	2.38	0.195
	Oct-09[a]	0.25	0.1	346.0	18.00 C	5.53	7.73	0.181
		0.60	0.3	262.0	18.04 C	5.40	1.80	0.184
		1.00	0.6	158.3	17.72 C	5.57	1.17	0.193
		1.50	0.8	194.0	17.97 C	5.61	1.00	0.195
		2.00	1.1	191.0	17.77 C	5.66	0.86	0.207
		2.35	1.3	211.0	18.49 C	5.69	0.78	0.217
		3.00	1.7	199.0	18.09 C	5.72	0.79	0.212
		3.35	1.9	197.0	18.31 C	5.86	0.69	0.221
		3.75	2.1	205.0	18.14 C	5.78	0.68	0.226
		4.25	2.4	192.0	18.52 C	5.86	0.71	0.235
		4.39	2.5	165.0	17.55 C	5.87	0.66	0.238
		4.55	2.6	109.0	18.24 C	5.90	0.50	0.247
		5.00	2.8	149.0	17.93 C	5.91	0.47	0.252
		5.25	3.0	63.2	17.39 C	5.94	0.57	0.257
		5.65	3.2	43.7	18.48 C	6.01	0.52	0.257
		6.15	3.5	35.7	17.61 C	5.84	0.62	0.257
		6.25	3.5	32.4	17.07 C	5.95	0.75	0.262
		6.35	3.6	29.5	17.43 C	6.02	0.57	0.264
		6.50	3.7	23.5	17.28 C	5.97	0.69	0.267
		7.10	4.0	48.5	18.11 C	6.19	0.88	0.265
		7.35	4.2	17.9	17.81 C	5.95	1.05	0.263
		7.50	4.2	14.6	17.38 C	5.94	0.76	0.267
		8.00	4.5	38.5	18.60 C	6.17	0.63	0.271
		8.30	4.7	115.0	18.50 C	6.07	0.74	0.264
		8.75	4.9	102.5	18.75 C	6.09	1.02	0.259
		8.95	5.1	110.1	17.99 C	6.01	1.08	0.261
		9.25	5.2	91.5	19.06 C	6.14	0.59	0.269
		9.55	5.4	109.7	17.91 C	5.80	0.77	0.266
		10.00	5.6	55.9	19.02 C	6.17	0.63	0.273
		10.10	5.7	142.5	18.89 C	6.14	0.95	0.261
		10.15	5.7	152.3	18.18 C	6.03	0.95	0.258
		10.50	5.9	285.0	19.15 C	6.02	0.69	0.265
	Apr-10[a]	0.50	0.2	above range	17.76	5.42	2.30	0.170
		1.50	0.6	above range	17.91	5.49	1.92	0.170
		2.00	0.8	above range	18.06	5.57	1.69	0.173
		3.00	1.1	764.0	18.04	5.58	1.61	0.174
		3.75	1.4	315.0	18.57	5.59	1.31	0.175
		4.50	1.7	351.0	18.52	5.61	1.60	0.177
		5.50	2.1	346.0	18.60	5.62	1.81	0.180
		6.50	2.5	216.0	18.69	5.66	1.86	0.184
		7.50	2.8	151.0	18.84	5.67	2.04	0.188
		8.50	3.2	101.7	18.87	5.69	2.32	0.194

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-2	Apr-10[a]	9.50	3.6	102.4	18.67	5.72	3.19	0.196
		11.00	4.2	137.0	18.88	5.74	4.24	0.201
		12.00	4.5	109.3	18.91	5.75	16.07	0.203
		13.00	4.9	150.0	18.92	5.71	18.42	0.194
		14.00	5.3	140.0	18.94	5.85	5.77	0.218
		15.00	5.7	262.0	18.91	5.80	13.94	0.213
		16.00	6.0	98.6	19.26	5.85	14.03	0.218
		17.00	6.4	37.5	19.27	5.85	14.55	0.224
		17.50	6.6	23.0	19.18	5.85	14.91	0.223
		18.00	6.8	18.2	19.10	5.85	13.60	0.222
		18.50	7.0	20.1	19.07	5.86	14.44	0.221
	Oct-10	0	0.0	447	17.77	5.15	3.11	0.177
		1.25	1.5	220	17.41	5.44	1.72	0.168
		2.2	2.6	53.8	17.86	5.63	1.01	0.184
		3.25	3.8	28.5	18.03	5.77	0.59	0.200
		4	4.7	21.5	18.22	5.83	0.49	0.206
		4.15	4.9	21.8	18.28	5.85	0.46	0.208
		4.3	5.1	21.6	18.32	5.86	0.46	0.208
	Apr-11[a]	0.5	0.4	344	19.12	5.65	1.41	0.180
		2.5	2.0	140	19.26	5.71	1.89	0.177
		3.5	2.8	124	19.31	5.78	1.64	0.184
		4.2	3.4	165	19.95	5.82	1.26	0.193
		5	4.0	64.8	19.7	5.84	1.34	0.199
		5.75	4.6	48.4	20.01	5.79	1.77	0.205
		6.25	5.0	38.8	20.22	5.72	1.94	0.209
		7.5	6.0	39.6	20.06	5.75	2.95	0.216
		8.5	6.8	38.8	20.39	5.76	2.34	0.221
		9.25	7.4	17.03	19.87	5.84	3.41	0.227
		10	8.0	17	20.28	5.85	3.90	0.231
		11	8.8	19.1	20.32	5.86	3.18	0.233
		11.5	9.2	15.4	19.84	5.88	4.07	0.235
		12	9.6	17.5	20.19	5.93	4.16	0.236
		12.5	10.0	17.9	20.32	5.93	3.54	0.237
	Oct-11	0.25	0.9	319	18.62	5.92	1.69	0.183
		0.5	1.9	233	18.78	6.12	0.94	0.199
		0.6	2.2	221	19.00	6.14	0.77	0.212
		0.7	2.6	208	18.98	6.22	0.74	0.219
		0.8	3.0	188	19.31	6.31	0.72	0.228
		0.9	3.3	146	20.05	6.37	0.59	0.234
		1	3.7	109	20.01	6.37	0.6	0.237
	Apr-12	0.75	0.7	59.8	20.59	5.05	1.44	0.173
		2	2.0	53.7	19.79	5.59	0.49	0.223
		3	2.9	74.8	19.37	5.61	0.41	0.246
		4	3.9	210	19.53	5.99	0.36	0.278
	Oct-12	0.75	3.2	185	20.56	6.25	3.88	0.391
		1.75	7.4	230	20.35	6.20	4.83	0.383
		2.35	10.0	509	22.72	6.59	2.96	0.383
		2.55	10.9	600	24.22	6.63	3.56	0.383
		2.7	11.5	815	25.3	6.65	3.29	0.387
		2.85	12.1	ABD	26.03	6.65	3.14	0.387
		2.95	12.6	ABD	26.48	6.65	3.34	0.389
		3.1	13.2	713	26.75	6.66	3.88	0.393
		3.25	13.8	ABD	26.9	6.67	3.88	0.396
		3.3	14.0	--	26.9	6.66	3.95	0.396
		3.35	14.3	ABD	26.7	6.65	4.02	0.397
	Apr-13	0.25	1.1	132	18.1	5.16	3.08	0.162
		0.75	3.2	116	18.61	5.52	2.36	0.161
		1	4.3	58.4	18.63	5.54	2.11	0.158
		1.25	5.3	43.3	18.66	5.54	1.32	0.156
		1.75	7.4	39.2	18.65	5.54	1.2	0.155
		2	8.5	24.8	18.61	5.58	0.98	0.158
		2.25	9.6	29.1	18.87	5.59	0.82	0.166
		2.5	10.6	24.5	19.12	5.68	0.67	0.176
		2.75	11.7	32	18.76	5.89	0.55	0.187
		3.25	13.8	31.3	19.05	5.9	0.53	0.206
		4	17.0	38	18.75	6.05	0.69	0.227
		5	21.3	-	19.02	5.8	1.11	0.212
	Oct-13	0	0.0	354	17.73	5.52	2.23	0.138
		0.5	2.1	116	17.76	5.60	1.27	0.133
		1	4.3	64.4	17.76	5.65	1.10	0.138
		1.5	6.4	30.5	17.78	5.69	1.02	0.142
		2	8.5	15.6	17.81	5.73	0.94	0.145
		2.5	10.6	27.1	17.80	5.77	0.87	0.148
		3	12.8	31.7	17.84	5.78	0.85	0.151
		3.5	14.9	28.7	17.83	5.81	0.80	0.154
		4	17.0	23.1	17.81	5.83	0.75	0.156
		4.5	19.1	22.1	17.00	5.85	0.75	0.158
		5	21.3	14.9	17.80	5.87	0.67	0.159
		5.5	23.4	13.9	17.77	5.88	0.65	0.16

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		6	25.5	9.48	17.79	5.89	0.61	0.161
MW-2	Apr-14	0.5	2.1	145	17.79	5.60	1.05	0.148
		1.1	4.7	169.3	17.82	5.68	0.96	0.148
		1.75	7.4	154.3	17.97	5.74	0.91	0.151
		2.5	10.6	102.8	18.06	5.78	0.85	0.156
		2.75	11.7	87.4	18.07	5.79	0.78	0.158
		3.5	14.9	85.4	18.00	5.82	0.71	0.162
		4	17.0	119	17.99	5.86	0.67	0.165
		4.5	19.1	119.7	17.9	5.84	0.63	0.167
		5	21.3	125	17.70	5.86	0.61	0.170
		5.5	23.4	151	17.87	5.90	0.57	0.171
		6	25.5	147	17.85	5.89	0.55	0.173
MW-3	Mar-96	1.5	1	18.87	50.4 F	6.75		0.131
		3	2	18.91	56.8 F	6.88		0.153
		5	3.3	18.88	57.5 F	6.92		0.150
	Nov-97	1	0.7	610	17 C	5.80		0.130
		3	2	97.2	18 C	6.00		0.130
		7	4.7	47.2	18 C	6.00		0.130
		14	9.3	22.8	18 C	6.10		0.130
		20	13.3	28.2	18 C	6.10		0.130
	Dec-98	1	0.7		62.2 F	6.08		3.640
		2	1.3		64.9 F	6.38		0.325
		3.5	2.3		65.3 F	6.45		0.207
		5	3.3		65 F	6.44		0.301
		6	4.0		64.9 F	6.42		0.277
	Apr-01	2	1.3	58	20.6 C	5.64	6.40	0.115
		4	2.7	71	20.6 C	5.61	6.46	0.114
		6	4.0	27	20.5 C	5.59	6.52	0.117
	May-03	not sampled due to well damage						
	Sep-03	not sampled due to well damage						
	May-04	replaced with MW-3R						
MW-3R	May-04	1.5	1.01	745	23.54 C	5.94	7.09	0.113
		2	1.34	208	24.98 C	5.74	6.15	0.111
		3	2.01	72.9	25.13 C	5.77	6.13	0.110
		3.5	2.35	21.1	25.81 C	5.77	5.86	0.110
		4	2.68	14.5	25.34 C	5.75	5.98	0.110
		5	3.36	9	25.32 C	5.70	6.12	0.110
		5.5	3.69	6.5	25 C	5.76	5.94	0.109
		6	4.03	6.1	25.25 C	5.69	5.90	0.109
		6.5	4.36	5.4	25.47 C	5.71	5.89	0.109
	Jul-06	1.7	1.14	> 999	22.29 C	5.90	4.55	0.080
		3.4	2.28	> 999	24.25 C	6.00	3.46	0.078
		4	2.68	> 999	24.34 C	5.90	6.43	0.080
		6	4.03	544	24.91 C	6.03	3.94	0.079
		8	5.37	347	24.6 C	6.06	3.78	0.078
		9	6.04	169	23.24 C	6.17	2.65	0.078
		11.5	7.72	54.6	22.25 C	6.27	1.22	0.077
		13	8.72	19.7	22.72 C	6.35	1.29	0.077
		14	9.40	4.5	22.97 C	6.41	0.79	0.077
	Apr-07	1.2	0.91	122	20.87 C	6.07	3.28	0.142
		1.8	1.36	22.1	20.74 C	6.14	3.71	0.143
		4	3.03	4.3	20.73 C	6.20	3.87	0.144
	Oct-07[a]	0.2	0.22	766	21.59 C	5.99	4.99	0.119
		1.6	1.73	324	21.76 C	6.03	4.36	0.122
		2.2	2.38	395	22.05 C	6.04	4.38	0.122
		2.8	3.03	270	22.39 C	6.06	4.09	0.123
		3.5	3.78	144	22.56 C	6.03	4.30	0.123
		4.2	4.54	74.2	22.76 C	6.06	4.33	0.123
		4.9	5.30	61.9	22.85 C	6.07	4.38	0.123
		5.3	5.73	46.1	22.97 C	6.04	4.30	0.124
		6.2	6.70	43.8	22.71 C	6.02	4.60	0.123
		6.5	7.03	43.2	22.17 C	6.00	4.62	0.123
		6.8	7.35	46.4	22.18 C	5.99	4.52	0.123
	Apr-08[a]	0	0.00	124	24.01 C	5.34	6.30	0.133
		0.125	0.18	183	22.65 C	4.65	5.47	0.119
		0.25	0.35	79.3	22.12 C	4.25	4.98	0.117
		0.5	0.70	60.1	21.60 C	4.31	5.20	0.118
		0.75	1.06	29.7	21.40 C	4.38	5.23	0.119
		1	1.41	18.4	21.17 C	4.86	4.92	0.121
		1.25	1.76	15.1	21.05 C	5.07	4.93	0.122
		1.5	2.11	22.8	20.63 C	5.15	5.16	0.121
		2	2.82	14.2	20.56 C	5.31	5.08	0.121
		2.125	2.99	13.4	20.47 C	5.38	5.22	0.122
		2.25	3.17	9.89	20.74 C	5.14	5.68	0.122
	Oct-08[a]	0.05	0.09	206	19.15 C	5.05	8.54	0.127
		0.15	0.26	163	19.31 C	5.77	6.03	0.125
		0.25	0.43	115	19.4 C	5.60	6.02	0.125
		0.4	0.69	59.8	19.44 C	5.53	5.96	0.124

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		0.6	1.03	20.7	19.86 C	5.48	6.00	0.125
		0.8	1.38	18.5	20.36 C	5.53	5.98	0.127
		1	1.72	16.5	20.03 C	5.58	5.94	0.127
		1.1	1.90	20.8	20.12 C	5.54	6.00	0.128
		1.15	1.98	18.2	19.83 C	5.51	6.07	0.128
		1.2	2.07	17.4	20.23 C	5.45	6.00	0.128
		1.3	2.24	11.3	20.14 C	5.41	6.02	0.128
		1.5	2.59	11.1	20.02 C	5.45	5.96	0.128
		1.6	2.76	12.3	20.08 C	5.40	5.86	0.128
		1.7	2.93	9.42	20.1 C	5.40	5.91	0.128
MW-3R	Apr-09[a]	0	0.00	870	18.2 C	6.06	6.40	0.120
MW-3R		0.15	0.26	408	18.21 C	5.80	6.84	0.083
		0.25	0.43	169	18.14 C	5.81	6.88	0.087
		0.4	0.69	168	18.38 C	5.86	6.77	0.096
		0.6	1.03	117	18.58 C	5.93	6.55	0.106
		0.8	1.38	90.7	18.71 C	5.95	6.51	0.109
		1	1.72	71.9	18.85 C	5.97	6.66	0.114
		1.2	2.07	88.7	18.97 C	6.00	6.55	0.114
		1.4	2.41	71	19.1 C	6.00	6.65	0.116
		1.45	2.50	75.2	18.88 C	5.88	7.63	0.116
		1.53	2.64	67.4	18.85 C	5.89	7.45	0.117
		1.57	2.71	52.9	18.83 C	5.92	7.30	0.118
		1.65	2.84	45.4	18.79 C	5.93	8.02	0.117
		1.75	3.02	37.6	18.84 C	5.98	8.02	0.117
		1.85	3.19	35.8	18.89 C	5.98	7.77	0.117
		1.95	3.36	28.9	18.89 C	6.00	7.67	0.119
		1.97	3.40	29.2	18.89 C	6.00	7.59	0.118
		2	3.45	27.5	18.9 C	5.99	7.50	0.118
	Oct-09[a]	0.3	0.34	70.4	20.75 C	5.70	6.28	0.126
		0.8	0.91	60.1	21.42 C	5.84	6.00	0.130
		1.05	1.19	48.6	21.75 C	5.87	6.01	0.131
		1.25	1.42	42.1	22.00 C	5.86	6.00	0.131
		1.4	1.59	41.9	21.64 C	5.84	6.00	0.131
		1.6	1.82	41.9	21.47 C	5.82	5.92	0.131
		1.9	2.16	36.7	21.36 C	5.81	5.93	0.131
		2.1	2.39	37.4	21.34 C	5.80	5.89	0.131
		2.25	2.56	29.9	21.08 C	5.77	5.85	0.132
		2.45	2.78	28.7	20.95 C	5.77	5.82	0.132
		2.75	3.13	29.6	20.88 C	5.79	5.81	0.132
		3.1	3.52	26.6	20.67 C	5.77	5.82	0.132
		3.2	3.64	26.5	20.38 C	5.74	5.91	0.132
		3.4	3.86	24.2	20.23 C	5.72	5.86	0.132
		3.6	4.09	24.8	20.22 C	5.73	5.84	0.132
	Apr-10	0.2	0.10	676	20.39	5.23	3.10	0.132
		0.3	0.16	364	20.06	5.32	3.04	0.128
		0.6	0.31	256	19.99	5.35	3.07	0.126
		0.9	0.47	168	19.96	5.37	3.05	0.125
		1.2	0.62	114	19.96	5.45	3.04	0.124
		1.5	0.78	71.4	19.97	5.43	3.03	0.123
		1.8	0.93	63.1	20.04	5.42	3.03	0.122
		2.3	1.19	55.1	20.04	5.43	3.03	0.121
		2.8	1.45	52	20.01	5.41	3.05	0.121
		3.3	1.71	40.8	20.09	5.45	3.06	0.122
		3.8	1.97	38.4	20.17	5.46	3.06	0.121
		4.3	2.23	34.6	20.22	5.48	3.12	0.121
		4.6	2.38	28	20.22	5.49	3.06	0.121
		5	2.59	25.3	20.23	5.49	3.04	0.120
		5.4	2.80	22.1	20.26	5.49	3.04	0.122
		5.8	3.01	21.9	20.29	5.49	3.02	0.121
		6.2	3.21	19.3	20.39	5.49	3.00	0.122
	Oct-10	0.25	0.1	399	21.92	5.83	6.60	0.137
		2.75	1.5	34.6	20.96	5.75	6.20	0.127
		5	2.8	10.8	22.68	5.97	5.79	0.128
		5.25	2.9	10.2	23.68	6.03	5.60	0.129
		5.5	3.1	9.73	24.01	6.06	5.58	0.130
	Apr-11	0.25	0.2	138	20.18	5.78	4.45	0.120
		0.35	0.3	129	20.12	5.76	4.15	0.120
		0.45	0.4	118	20.11	5.82	4.05	0.120
		0.55	0.5	72	20.26	5.81	3.98	0.120
		0.65	0.5	61.4	20.5	5.88	3.92	0.121
		0.75	0.6	37	20.64	5.91	3.89	0.122
		0.95	0.8	34.8	20.69	5.93	3.87	0.122
		1.1	0.9	33.4	20.78	5.95	3.84	0.123
		1.25	1.0	27.8	20.7	5.97	3.83	0.124
		1.4	1.2	20.9	20.52	5.95	3.82	0.124
		1.55	1.3	18.7	20.43	5.97	3.80	0.125
		1.7	1.4	15.9	20.53	5.97	3.77	0.125
		1.85	1.5	13.2	20.75	5.98	3.77	0.126
		2	1.7	15.8	20.97	6.00	3.74	0.126

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2.15	1.8	11.8	21.06	5.99	3.76	0.126
		2.3	1.9	9.19	20.79	6.00	3.77	0.126
	Oct-11	0.1	0.1	468	21.65	5.67	7.04	0.145
		0.13	0.1	556	23.01	5.81	6.51	0.126
		0.18	0.2	605	21.94	5.91	6.62	0.120
		0.25	0.3	429	21.48	5.86	6.28	0.120
		0.3	0.3	366	21.28	5.86	6.21	0.121
		0.4	0.4	261	21.30	5.90	5.99	0.120
		0.5	0.5	200	21.15	5.93	5.98	0.121
		0.95	1.0	162	21.14	5.94	5.81	0.122
		1.15	1.2	143	21.11	5.95	5.72	0.123
MW-3R	Oct-11	1.5	1.6	108	21.09	5.97	5.67	0.123
		1.65	1.7	65.6	21.26	5.97	5.54	0.122
		1.75	1.8	51.4	21.96	6.02	5.39	0.123
		1.85	1.9	48	21.59	6.04	5.47	0.125
		2	2.1	81.8	21.39	5.96	5.54	0.122
		2.25	2.4	79.9	21.37	5.93	5.54	0.118
		2.4	2.5	69.3	21.12	5.95	5.51	0.119
		2.8	2.9	47.4	21.63	6.00	5.39	0.120
		3	3.2	45.8	21.59	6.01	5.36	0.120
	Apr-12	0	0.0	663	22.13	6.14	4.73	0.141
		0.2	0.4	47.4	21.29	5.86	5.29	0.129
		0.25	0.5	31.6	21.07	5.89	5.46	0.127
		0.4	0.8	20.4	20.89	6.01	5.51	0.128
		0.55	1.0	15.6	20.84	6.03	5.60	0.130
		0.75	1.4	11.04	20.88	6.09	5.54	0.131
		0.85	1.6	10.21	21.01	6.17	5.56	0.130
		1	1.9	9.5	20.84	6.02	5.58	0.131
		1.15	2.2	8.62	20.86	6.08	5.56	0.131
		1.25	2.4	8.05	20.84	6.10	5.57	0.131
		1.4	2.6	7.13	20.92	6.06	5.60	0.131
		1.5	2.8	6.85	20.87	6.04	5.60	0.133
		1.65	3.1	6.05	20.84	6.06	5.63	0.132
	Oct-12	0.17	0.78	32.7	21.09	5.78	5.82	0.154
		0.21	1.0	--	21.10	6.20	5.58	0.151
		0.25	1.1	--	21.86	6.16	5.63	0.146
		0.30	1.4	--	21.97	6.19	5.73	0.146
		0.34	1.6	--	22.07	6.22	5.69	0.146
		0.38	1.7	--	23.78	6.24	5.53	0.146
		0.42	1.9	14.3	24.00	6.23	5.71	0.145
	Oct-12	0.45	2.0	--	24.07	6.23	5.86	0.145
		0.48	2.2	--	24.23	6.24	5.82	0.145
		0.50	2.3	7.37	24.41	6.23	5.50	0.145
		0.53	2.4	--	25.06	6.25	5.63	0.145
		0.55	2.5	--	25.33	6.25	5.70	0.145
		0.58	2.6	--	23.97	6.26	5.80	0.145
		0.61	2.8	--	26.21	6.26	5.63	0.145
		0.63	2.9	--	26.44	6.26	5.41	0.145
		0.66	3.0	5.54	26.52	6.26	5.53	0.145
	Apr-13	0.00	0.00	304.00	21.77	5.94	7.27	0.160
		0.20	0.91	233.00	21.44	5.34	5.43	0.128
		0.50	2.27	175.00	21.82	5.88	5.83	0.133
		0.80	3.64	72.50	21.87	5.81	5.97	0.134
		1.00	4.55	26.50	22.28	5.81	6.22	0.135
		1.10	5.00	18.90	22.21	5.87	6.37	0.135
		1.20	5.45	14.20	22.48	5.97	6.55	0.136
		1.30	5.91	7.15	23.02	6.00	6.90	0.136
		1.40	6.36	6.50	22.95	6.70	6.81	0.136
		1.50	6.82	5.90	23.03	5.96	6.73	0.136
MW-4	Mar-96	2	1	17.75	53.1 F	6.19		0.528
		4	2	19.15	57.4 F	5.95		0.587
		6	3	19.29	58.1 F	5.90		0.603
	Nov-97	7	3.5	600	17 C	6.70		0.540
		15	7.5	280	18 C	6.70		0.550
		30	15	100	18 C	6.70		0.550
		35	17.5	48	18 C	6.60		0.550
		40	20	34.5	18 C	6.70		0.550
	Dec-98	1	0.5		61.2 F	6.81		0.842
		2	1		62.1 F	6.73		0.775
		3	1.5		62 F	6.68		0.812
		4	2		61.9 F	6.77		0.814
	Apr-01	2	1	24	20.2 F	6.10	0.63	0.633
		4	2	20	20 F	6.10	0.27	0.642
		6	3	15	19.7 F	6.09	0.26	0.672
	May-03	not sampled due to well damage						
	Sep-04	not sampled due to well damage						
	May-04	Replaced with MW-4a						
MW-4a	May-04	0.5	1.39	9.6	20.27 C	6.41	1.16	0.747
	May-05	0.9	1.00	459	19.59 C	6.47	1.47	0.512

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-4a		1.8	2.00	322	20.05 C	6.46	1.02	0.523
		2	2.22	260	20.04 C	6.48	0.84	0.534
	Jul-06	1.5	1.67	98.6	21.57 C	7.48	0.27	0.334
		3	3.33	41.2	20.64 C	7.44	0.20	0.313
		4.5	5.00	40.1	20.63 C	7.46	0.26	0.341
		5.5	6.11	30.2	20.61 C	7.42	0.25	0.340
	Apr-07	0.3	0.63	22.5	19.19 C	7.32	1.42	1.168
		1.2	2.50	7.5	19.69 C	7.38	0.35	1.205
		1.8	3.75	3.2	19.71 C	7.40	0.53	1.209
	May-07			390	22.9 C	7.53	1.63	1.480
				55.4	22.7 C	7.57	0.78	1.520
	May-07			25.4	23.1 C	7.50	0.37	1.490
				21.8	24.6 C	7.45	0.44	1.490
				16.2	25.1 C	7.46	0.47	1.510
	Jun-07			15.3	29.6 C	7.35	0.22	1.420
				14.9	29.7 C	7.39	0.42	1.410
				13.5	29.7 C	7.42	0.44	1.410
	Oct-07	not sampled due to insufficient water in well						
	Apr-08	not sampled due to insufficient water in well						
	Oct-08	not sampled due to insufficient water in well						
	Apr-09	not sampled due to insufficient water in well						
	Oct-09	not sampled due to insufficient water in well						
	Apr-10	0.2	0.19	345	18.18	6.24	1.49	1.434
		0.3	0.28	129	18.25	6.49	2.14	1.443
		0.5	0.47	58.9	18.3	6.61	2.52	1.439
		0.7	0.65	32.2	18.36	6.7	2.71	1.423
		0.9	0.84	19.8	18.4	6.75	2.81	1.400
		1.1	1.03	13.7	18.42	6.81	2.78	1.379
		1.3	1.21	5.44	18.43	6.83	2.77	1.357
		1.5	1.40	4.33	18.45	6.85	2.75	1.337
		1.7	1.59	4.59	18.47	6.86	2.73	1.319
		1.9	1.78	3.12	18.49	6.87	2.72	1.303
		2.1	1.96	4.77	18.49	6.87	2.71	1.294
		2.3	2.15	3.2	18.53	6.88	2.71	1.289
		2.5	2.34	3.83	18.52	6.88	2.71	1.29
		2.7	2.52	2.64	18.5	6.88	2.69	1.293
	Oct-10	0	0.0	187	21.04	6.83	0.72	0.929
		1.35	2.5	1.68	20.35	6.65	0.19	0.925
		1.5	2.7	1.27	20.23	6.63	0.22	0.924
		1.65	3.0	1.33	20.19	6.63	0.19	0.922
		1.8	3.3	1.29	20.16	6.63	0.17	0.920
	Apr-11[a]	0.25	0.6	121	17.85	6.40	6.13	0.923
		0.4	1.0	14.6	18.01	6.57	6.10	0.918
		0.5	1.3	4.65	18.11	6.60	5.85	0.918
		0.6	1.6	4.03	18.12	6.62	5.25	0.920
		0.75	1.9	2.89	18.16	6.62	4.83	0.921
		0.9	2.3	2.09	18.17	6.63	4.70	0.922
		1.075	2.8	5.86	18.19	6.64	4.56	0.927
		1.225	3.2	39.2	18.26	6.64	4.47	0.929
		1.275	3.3	14	18.24	6.64	4.51	0.931
		1.325	3.4	6.11	18.23	6.65	4.44	0.931
		1.375	3.6	4.64	18.28	6.64	4.40	0.931
		1.425	3.7	2.7	18.34	6.64	4.33	0.932
		1.475	3.8	2.88	18.42	6.64	4.38	0.934
		1.575	4.1	5.26	18.48	6.64	4.34	0.936
		1.725	4.5	6.08	18.53	6.64	4.42	0.938
		1.8	4.7	5.98	18.57	6.63	4.42	0.938
		1.875	4.9	5.86	18.64	6.63	4.34	0.939
		1.95	5.1	9.87	18.65	6.63	4.45	9.400
	Oct-11	not sampled due to insufficient water in well						
	Apr-12	not sampled due to insufficient water in well						
	Oct-12	not sampled due to insufficient water in well						
	Oct-13	0	0	41.5	19.01	6.37	0.84	0.852
		0.2	0.5	0.58	19.11	6.42	0.76	0.855
		0.4	1.0	0.87	18.95	6.42	0.72	0.863
		0.6	1.6	0.52	18.92	6.43	0.64	0.868
		1	2.6	0.33	18.91	6.45	0.46	0.867
		1.4	3.6	0.21	18.89	6.47	0.37	0.861
		1.6	4.1	0.11	18.86	6.45	0.34	0.855
		1.8	4.7	0.15	18.84	6.48	0.32	0.854
	Apr-14	0.5	1.295336788	24.2	16.57	6.57	0.92	1.012
		1.0	2.590673575	13.7	15.24	6.51	0.55	1.057
		1.25	3.238341969	8.08	15.18	6.52	0.42	1.057
		1.5	3.886010363	5.64	15.29	6.53	0.35	1.030
		1.75	4.533678756	3.95	14.92	6.53	0.32	1.012
		2.0	5.18134715	3.39	15.18	6.54	0.29	0.996
		2.25	5.829015544	2.30	15.21	6.55	0.27	0.985
		2.5	6.476683938	1.82	15.19	6.55	0.25	0.972
		2.75	7.124352332	1.73	15.16	6.55	0.23	0.963

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3.0	7.772020725	1.09	15.25	6.55	0.23	0.955
		3.25	8.419689119	0.99	15.53	6.55	0.21	0.942
		3.5	9.067357513	0.8	15.43	6.55	0.21	0.938
		3.75	9.715025907	0.78	15.49	6.54	0.19	0.930
		4.0	10.3626943	0.75	15.63	6.56	0.19	0.924
		4.25	11.01036269	0.73	15.59	6.55	0.18	0.920
		4.50	11.66	0.72	15.56	6.56	0.17	0.917
MW-4b	May-04	0.1	0.012	7.4	20.89 C	10.62	8.56	0.343
		0.15	0.017	5	21.32 C	10.52	8.27	0.345
		0.2	0.023	4.4	21.44 C	10.47	7.99	0.345
		0.3	0.035	4.2	21.07 C	10.48	8.02	0.356
		0.5	0.058	4.1	21.28 C	10.47	7.74	0.353
		0.75	0.087	4.1	21.43 C	10.46	7.69	0.351
	Apr-07	5	0.400	138	19.87 C	9.64	2.33	0.190
		12	0.960	69.6	20.24 C	10.37	0.33	0.485
		14	1.120	319	18.81 C	9.77	1.35	0.389
		15	1.200	90.5	20.75 C	9.76	1.19	0.379
		15.5	1.240	67.7	19.38 C	9.62	3.63	0.384
		16	1.280	416	24.54 C	7.53	5.00	0.001
		20	1.600	30.5	24.51 C	7.51	4.95	0.030
	Oct-07[a]	0.1	0.012	234	21.13 C	8.13	4.49	0.571
		0.3	0.035	194	20.31 C	8.23	1.42	0.584
		0.6	0.069	23.9	20.29 C	8.02	0.27	0.583
		0.95	0.110	50.5	20.28 C	7.88	0.07	0.583
		1.2	0.138	47.3	20.31 C	7.81	0.11	0.582
		1.5	0.173	53.9	20.93 C	7.80	0.03	0.583
		1.8	0.208	55.3	20.50 C	7.79	0.02	0.583
		2.05	0.236	46.4	20.20 C	7.76	0.03	0.582
		2.15	0.248	40	21.30 C	7.74	0.03	0.582
		2.4	0.277	34.7	21.45 C	7.74	0.01	0.580
		2.6	0.300	34.1	20.96 C	7.74	0.04	0.582
		2.85	0.329	28.4	20.86 C	7.70	0.01	0.580
MW-4b	Oct-07[a]	3.05	0.352	27.3	20.87 C	7.70	0.02	0.580
		3.1	0.358	25.2	21.32 C	7.71	0.02	0.581
		3.25	0.375	24.1	20.95 C	7.72	0.00	0.580
		3.5	0.404	22	20.77 C	7.70	0.01	0.580
		3.75	0.433	20.9	20.67 C	7.69	0.05	0.579
		4	0.461	18.9	20.42 C	7.66	0.03	0.579
		4.2	0.484	19.1	20.27 C	7.65	0.03	0.578
		4.3	0.496	17	20.24 C	7.64	0.04	0.578
		4.5	0.519	17.2	20.88 C	7.63	0.03	0.577
		4.7	0.542	14.7	19.97 C	7.62	0.03	0.577
		4.95	0.571	15	19.92 C	7.61	0.05	0.576
		5.2	0.600	14.2	19.75 C	7.59	0.04	0.576
		5.25	0.606	49.7	16.75 C	7.58	6.00	0.588
		5.4	0.623	14.4	17.18 C	7.82	1.46	0.606
		5.65	0.652	11.1	17.59 C	7.82	0.42	0.561
		6.1	0.704	9.15	17.65 C	7.80	0.31	0.553
		6.25	0.721	9.23	17.60 C	7.76	0.30	0.551
		6.45	0.744	8.18	17.67 C	7.79	0.31	0.550
		6.6	0.761	7.81	17.62 C	7.79	0.31	0.550
	Apr-08[a]	0.45	0.053	213	17.60 C	8.31	1.14	0.565
		1	0.117	30.3	17.47 C	7.91	0.14	0.564
		1.3	0.152	18.1	17.41 C	7.81	0.12	0.563
		1.8	0.211	15.3	17.51 C	7.76	0.11	0.562
		2.25	0.263	12.5	17.57 C	7.74	0.11	0.562
		2.5	0.292	11.6	17.13 C	7.71	0.12	0.562
		2.7	0.316	10.9	16.45 C	7.71	0.10	0.562
		2.71	0.317	12.3	16.39 C	7.70	0.09	0.561
		2.9	0.339	15.1	16.87 C	7.68	0.08	0.560
		3.1	0.363	8.15	17.42 C	7.73	0.07	0.562
	Oct-08[a]	1	0.119	36.5	18.14 C	9.87	0.72	0.506
		2	0.238	38.3	18.16 C	9.97	0.44	0.506
		2.75	0.328	58.1	18.42 C	10.29	0.38	0.512
		3.5	0.417	366	18.62 C	10.34	0.39	0.511
		4	0.477	209	18.08 C	10.04	0.47	0.508
		4.5	0.536	145	18.15 C	9.92	0.58	0.506
		5.25	0.626	74.3	18.52 C	9.47	1.39	0.505
		5.75	0.685	40.7	18.2 C	9.73	0.47	0.506
		6	0.715	31.6	16.76 C	9.86	0.47	0.506
		6.2	0.739	31.3	18.24 C	9.71	0.60	0.504
		7	0.834	25.4	18.96 C	9.58	0.70	0.505
		7.5	0.894	24.6	18.62 C	9.50	0.69	0.505
		8.5	1.013	639	19.57 C	9.83	0.53	0.515
		0.05	0.006	52.1	13.62 C	9.20	4.66	0.521
		0.2	0.024	32.4	13.2 C	8.94	2.79	0.516
		0.27	0.032	37.5	12.02 C	8.72	1.64	0.515
		0.3	0.036	35.3	9.65 C	8.52	1.67	0.512

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		0.35	0.042	30.2	8.99 C	8.42	1.78	0.513
		0.37	0.044	26.5	8.35 C	8.30	1.90	0.512
		0.4	0.048	30.1	9.86 C	8.34	1.99	0.514
		0.5	0.060	30.1	11.2 C	8.35	1.69	0.513
		0.6	0.072	30.4	11.92 C	8.26	1.93	0.512
		0.75	0.089	29.6	12.06 C	8.24	1.33	0.512
		0.85	0.101	29.5	11.25 C	8.21	1.02	0.511
		0.95	0.113	29.7	9.91 C	8.12	1.03	0.510
		0.97	0.116	28.5	9 C	8.05	1.08	0.511
		0.99	0.118	28.4	8.72 C	7.95	1.18	0.510
		1.05	0.125	28.7	8.9 C	7.95	1.45	0.512
		1.15	0.137	27.7	10.73 C	8.53	1.50	0.513
		1.2	0.143	28	11.23 C	8.52	1.62	0.512
		1.25	0.149	28.1	13.23 C	8.52	1.72	0.513
		1.27	0.151	27.8	13.86 C	8.49	1.42	0.514
		1.3	0.155	27.2	14.14 C	8.48	1.40	0.514
	Apr-09[a]	0	0.000		16.78 C	7.61	4.46	0.581
		0	0.000		16.43 C	7.59	0.41	0.590
		0.05	0.006	14.9	16.1 C	7.59	0.15	0.590
		0.05	0.006	14.1	15.89 C	7.64	0.06	0.590
		0.05	0.006	18.1	15.91 C	7.77	0.19	0.592
		0.1	0.012		16.26 C	7.62	0.16	0.591
		0.15	0.018		17.08 C	7.90	0.10	0.597
		0.25	0.030	23.7	17.24 C	7.93	0.08	0.600
		0.3	0.036		17.74 C	7.94	0.04	0.602
		0.35	0.042	17.8	18.02 C	7.95	0.05	0.603
		0.4	0.048	18.3	18.16 C	7.95	0.06	0.603
		0.4	0.048		18.44 C	7.96	0.22	0.603
		0.45	0.054		19.01 C	7.96	0.10	0.603
		0.5	0.060		19.49 C	7.96	0.09	0.604
		0.5	0.060	15.9	19.94 C	7.96	0.04	0.605
		0.5	0.060	15.1	19.86 C	7.96	0.03	0.606
		0.5	0.060	13.8	19.69 C	7.95	0.06	0.606
		0.5	0.060		19.66 C	7.95	0.07	0.606
		0.5	0.060		19.81 C	7.94	0.05	0.606
MW-4b	Apr-09[a]	0.5	0.060		19.72 C	7.95	0.06	0.607
		0.5	0.060		19.51 C	7.98	0.05	0.607
		0.5	0.060		19.36 C	7.94	0.04	0.607
		0.5	0.060		19.38 C	7.94	0.06	0.607
		0.55	0.066		19.61 C	7.95	0.03	0.607
		0.55	0.066		20.21 C	7.98	0.05	0.607
		0.55	0.066		20.27 C	7.98	0.05	0.608
		0.6	0.072		19.89 C	8.02	0.05	0.606
		0.6	0.072	12.4	19.93 C	8.02	0.04	0.607
		0.6	0.072	12.5	20.01 C	8.02	0.04	0.607
		0.65	0.078	12.5	20.08 C	7.98	0.04	0.607
		0.65	0.078		20.15 C	8.02	0.04	0.607
		0.65	0.078	12.3	20.18 C	8.09	0.05	0.607
		0.65	0.078	12.4	20.19 C	8.05	0.04	0.607
	Oct-09	0.5	0.060	127.7	18.50 C	9.29	0.35	0.575
		1	0.120	63.3	18.60 C	9.43	0.27	0.573
		1.25	0.150	37.7	18.79 C	9.32	0.22	0.572
		1.5	0.180	23.9	18.82 C	9.49	0.19	0.574
		1.6	0.192	21.6	18.81 C	9.40	0.15	0.571
		1.65	0.198	18.9	18.83 C	9.42	0.16	0.574
		1.75	0.210	16.02	19.02 C	9.44	0.15	0.571
		1.8	0.216	27.7	19.13 C	9.49	0.16	0.571
		1.925	0.231	14.41	19.26 C	9.47	0.33	0.570
		1.97	0.236	13.19	19.17 C	9.50	0.26	0.570
		2.1	0.251	11.42	19.06 C	9.50	0.25	0.570
		2.15	0.257	10.61	18.76 C	9.50	0.26	0.570
		2.18	0.261	16.09	18.82 C	9.44	0.18	0.569
		2.25	0.269	8.21	19.57 C	9.65	1.25	0.569
		2.3	0.275	7.73	19.18 C	9.60	0.84	0.569
		2.34	0.280	7.15	19.11 C	9.53	0.82	0.568
	Apr-10	0.2	0.021	29.9	19.57	6.89	1.44	0.409
		0.4	0.042	18	19.12	7.36	0.52	0.493
		0.6	0.063	15.6	19.01	7.50	0.35	0.506
		0.9	0.094	12.5	19.02	7.54	0.31	0.507
		1.1	0.115	11.7	19.14	7.58	0.28	0.508
		1.3	0.136	17.4	19.23	7.57	0.26	0.508
		1.5	0.157	13	19.38	7.60	0.26	0.508
		1.7	0.178	9.65	19.43	7.62	0.25	0.508
		1.8	0.188	13.6	19.59	7.63	0.24	0.508
		1.9	0.199	13.8	19.75	7.65	0.24	0.508
		2.05	0.214	12.2	19.57	7.66	0.23	0.508
		2.1	0.219	11.5	19.54	7.65	0.23	0.508
		2.25	0.235	9.8	19.55	7.66	0.23	0.508
	Oct-10	0	0.0	263	18.70	6.84	3.86	0.382

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3	0.3	3.87	18.51	8.01	0.42	0.508
		6	0.6	3.34	18.94	7.87	0.27	0.507
		8.5	0.9	2.73	19.20	7.72	0.23	0.488
		8.7	0.9	2.82	19.20	7.72	0.23	0.485
		8.9	1.0	2.49	19.19	7.72	0.23	0.483
	Apr-11[a]	0.25	0.028	110	21.06	7.81	5.59	0.404
		0.35	0.040	32.3	20.34	7.95	3.39	0.489
		0.45	0.051	19.3	21.06	7.94	2.79	0.493
		0.6	0.068	17	21.53	7.84	2.55	0.490
		0.8	0.090	11.6	21.62	7.78	2.60	0.485
		1	0.113	8.22	21.8	7.75	2.55	0.482
		1.2	0.136	6.48	21.99	7.73	2.53	0.477
		1.4	0.158	6.13	22.28	7.73	2.45	0.475
		1.5	0.169	6.24	22.3	7.72	2.46	0.470
		1.6	0.181	4.83	22.38	7.73	2.54	0.468
		1.7	0.192	4.93	22.16	7.73	2.58	0.466
		1.8	0.203	4.94	21.72	7.74	2.54	0.464
		1.9	0.215	5.11	21.78	7.75	2.54	0.463
		2	0.226	5.01	21.76	7.75	2.59	0.460
		2.05	0.232	4.93	21.48	7.75	2.62	0.461
		2.1	0.237	4.84	21.44	7.76	2.65	0.459
		2.15	0.243	5.13	21.54	7.76	2.61	0.459
	Oct-11	0.15	0.0	>1000	19.95	8.99	2.44	0.444
		0.25	0.0	259	19.24	8.79	1.29	0.459
		0.35	0.0	109	19.20	8.72	1.11	0.459
		0.45	0.1	54	18.99	8.46	0.89	0.451
		0.75	0.1	42.3	18.97	8.31	0.75	0.447
MW-4b	Oct-11	0.85	0.1	29.5	18.87	8.05	0.61	0.441
		1	0.1	21.3	18.91	7.93	0.5	0.437
		1.2	0.1	16.5	18.92	7.89	0.44	0.436
		1.4	0.2	12.9	18.97	7.87	0.39	0.436
		1.6	0.2	8.95	18.92	7.85	0.36	0.436
		1.8	0.2	7.90	18.92	7.84	0.33	0.435
		2	0.2	9.11	18.90	7.82	0.32	0.435
		2.2	0.3	7.2	18.94	7.80	0.33	0.433
		2.4	0.3	7.67	18.90	7.78	0.34	0.432
		2.6	0.3	7.37	18.81	7.76	0.38	0.431
		2.8	0.3	7.35	18.91	7.74	0.42	0.429
		3.25	0.4	5.81	18.85	7.73	0.46	0.429
		3.5	0.4	5.76	18.87	7.74	0.48	0.429
	Apr-12	0.25	0.03	>1000	17.68	8.62	0.53	0.420
		1	0.12	7.69	18.01	7.87	0.29	0.412
		2	0.25	6.24	18.36	7.71	0.20	0.410
		2.6	0.32	4.11	18.37	7.69	0.18	0.410
		3.1	0.38	2.08	18.41	7.69	0.16	0.409
		3.5	0.43	3.75	18.61	7.71	0.16	0.408
		3.6	0.45	3.12	18.78	7.73	0.14	0.407
		3.8	0.47	2.2	19.13	7.68	0.15	0.406
		4.1	0.51	1.9	19.21	7.71	0.13	0.405
		4.3	0.53	2.1	19.25	7.74	0.14	0.405
		4.5	0.56	1.68	19.65	7.73	0.14	0.405
	Oct-12	0.53	0.07	45.7	19.05	8.41	4.03	0.403
		1.32	0.16	6.17	19.08	7.84	0.72	0.397
		2.11	0.26	5.32	19.17	7.61	0.30	0.389
		2.91	0.36	4.17	19.21	7.49	0.14	0.380
		3.63	0.45	12.83	19.27	7.36	0.09	0.368
		4.29	0.53	2.88	19.33	7.22	0.05	0.357
		4.89	0.60	1.72	19.41	7.13	0.05	0.350
		5.42	0.67	--	19.55	7.07	0.05	0.344
		5.88	0.73	--	20.48	7.06	0.03	0.336
		6.27	0.77	--	20.52	7.06	0.02	0.328
		6.80	0.84	--	21.7	7.06	0.02	0.319
		7.07	0.87	--	21.54	7.07	0.04	0.316
		7.13	0.88	2.11	22.16	7.08	0.04	0.314
		7.26	0.90	--	22.85	7.09	0.03	0.314
	Apr-13	0	0	70.5	19.68	7.23	1.31	0.412
		1	0.1	12.7	19.79	7.69	0.61	0.427
		1.5	0.2	6.58	19.8	7.94	0.44	0.427
		2	0.2	6.22	19.94	7.84	0.33	0.427
		2.2	0.3	6.02	19.63	7.47	0.24	0.425
		2.5	0.3	6	19.84	7.49	0.22	0.424
		2.7	0.3	5.6	19.9	7.49	0.2	0.422
		2.9	0.4	5.5	19.92	7.47	0.2	0.421
	Oct-13	0	0.0	0.60	18.61	7.51	0.37	0.322
		0.2	0.0	0.42	18.60	7.56	0.33	0.327
		0.4	0.0	0.63	18.68	7.56	0.22	0.328
		0.5	0.1	0.37	18.80	7.56	0.19	0.330
		0.6	0.1	1.25	18.89	7.58	0.18	0.332
		7.26	0.90	--	22.85	7.09	0.03	0.314

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
	Apr-14	0	0.0	>1000	18.35	6.78	0.72	0.360
		0.25	0.0	124	18.24	8.33	0.43	0.386
		0.5	0.1	25.6	19.15	8.46	0.32	0.387
		1.00	0.1	12.8	19.07	8.27	0.27	0.387
		1.25	0.2	8.70	19.23	8.02	0.22	0.386
		1.50	0.2	7.13	19.08	7.77	0.19	0.384
		1.75	0.2	6.70	19.05	7.64	0.19	0.382
		2.25	0.3	6.15	19.08	7.60	0.20	0.380
		2.75	0.3	4.74	19.16	7.59	0.21	0.379
		3.00	0.4	4.56	19.13	7.60	0.22	0.379
MW-5	Mar-96	5	1	17.98	56.2 F	7.05		0.136
		10	2	1.31	57.8 F	7.20		0.153
		15	3	3.25	55 F	7.22		0.131
	Nov-97	0	0	55.6	19 C	8.20		0.130
		15	3	3.79	19 C	8.20		0.110
		20	4	0.89	19 C	7.70		0.110
	Dec-98	1.5	0.3		62.2 F	6.68		1.100
		2.5	0.5		66.2 F	7.19		0.155
		4	0.8		66.3 F	7.54		0.209
		6	1.2		64.07 F	7.71		0.140
		8	1.6		65.9 F	7.84		0.310
	Dec-98	10	2		65.8 F	7.48		0.274
		12	2.4		64.9 F	7.84		0.248
		14	2.8		65.2 F	7.83		0.242
		16	3.2		61.4 F	7.82		0.202
	Apr-01	5	1	2	21.1 C	7.43	1.21	0.146
		10	2	13	21.0 C	7.53	3.05	0.131
		15	3	5	21.0 C	7.51	3.10	0.129
	May-02	5	1	87	22.3 C	5.45	0.60	0.167
		10	2	157	21.7 C	5.85	0.56	0.163
		15	3	91	21.6 C	5.95	0.53	0.161
	Sep-03	5	1	46	20.9 C	7.15	1.97	0.110
		10	2	20	21.1 C	7.38	1.23	0.108
		15	3	9.8	21.4 C	7.52	1.49	0.106
	May-04	1	0.21	2.4	21.41 C	7.15	1.21	0.115
		2.5	0.53	-4.8	22.71 C	7.38	0.77	0.111
		4	0.84	-5.2	22.91 C	7.43	0.65	0.111
	Jul-06	4.6	0.97	33.8	21.53 C	7.34	0.04	0.073
		9.2	1.94	6.4	21.75 C	7.63	0.02	0.071
		13.8	2.91	8.6	21.74 C	7.70	0.13	0.071
	Apr-07	2.5	0.54	8.54	20.99 C	7.19	3.11	0.128
		5	1.08	5.14	20.99 C	7.14	0.59	0.120
		7.5	1.61	1.85	20.81 C	7.20	0.40	0.114
		10	2.15	2.23	20.92 C	7.20	0.35	0.116
		12	2.58	3.96	20.98 C	7.16	0.44	0.117
		14	3.01	3.11	20.98 C	7.18	1.04	0.115
	Oct-07	1	0.23	14.8	20.74 C	7.42	0.56	0.167
		1.5	0.34	5.5	21.16 C	7.33	0.44	0.151
		2.5	0.57	3.3	21.18 C	7.32	0.36	0.142
		3	0.69	3.1	21.16 C	7.34	0.34	0.138
	Apr-08[a]	4	0.86	8.26	21.36 C	6.96	0.60	0.150
		5.5	1.18	6.13	21.38 C	6.98	0.61	0.139
		6.5	1.40	4.45	21.48 C	7.03	0.56	0.134
		7.5	1.61	1.61	21.42 C	7.11	0.42	0.130
		9.25	1.99	0.75	21.45 C	7.21	0.31	0.125
		10.5	2.26	1.81	21.37 C	7.19	0.47	0.125
		11.5	2.47	1.08	21.46 C	7.22	0.28	0.124
		13	2.80	0.68	21.56 C	7.22	0.27	0.124
		13.75	2.96	0.9	21.50 C	7.24	0.28	0.123
		14.25	3.06	0.39	21.71 C	7.23	0.28	0.123
	Oct-08	0.5	0.12	16.5	20.69 C	6.85	0.70	0.158
		1.5	0.35	12.1	21.01 C	6.58	0.53	0.151
		2	0.47	8.63	20.97 C	6.51	0.45	0.142
		2.5	0.59	8.34	20.95 C	6.53	0.45	0.142
	Apr-09	0.5	0.11	22.5	20.13 C	6.82	1.19	0.153
		1	0.21	23.9	19.34 C	6.91	1.33	0.153
		1.2	0.26	18.8	18.54 C	6.92	1.27	0.149
		1.3	0.28	12.8	18.46 C	6.94	1.07	0.143
		1.4	0.30	6.82	18.31 C	6.97	0.80	0.135
		1.5	0.32	6.49	18.29 C	6.99	0.68	0.133
		1.6	0.34	15.2	20.39 C	6.95	0.98	0.136
		1.8	0.38	9.75	19.70 C	6.94	1.26	0.138
		2	0.43	4.33	19.60 C	7.00	0.76	0.132
	Oct-09	0.75	0.15	16.42	20.80 C	7.42	0.46	0.144
		1.25	0.26	15.88	21.00 C	7.35	0.31	0.134
		2	0.41	24.5	21.30 C	7.30	0.23	0.129
		2.75	0.56	26	21.31 C	7.27	0.21	0.129
		3.25	0.67	26.1	21.35 C	7.29	0.22	0.128
		3.8	0.78	14.51	21.51 C	7.34	0.19	0.129

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		4.3	0.88	15.44	21.43 C	7.35	0.17	0.127
		5	1.03	8.66	21.43 C	7.32	0.18	0.128
		6	1.23	8.43	21.55 C	7.35	0.22	0.127
	Apr-10	1	0.20	15.5	20.92	7.56	0.33	0.141
		2	0.41	14.2	21.02	7.17	0.09	0.124
		3	0.61	17.4	21.16	7.09	0.12	0.122
		3.5	0.72	17.1	21.12	7.09	0.16	0.122
		4	0.82	13.1	21.06	7.13	0.16	0.122
		4.25	0.87	7.46	21.28	7.13	0.10	0.122
		4.5	0.92	8.87	21.2	7.13	0.11	0.122
MW-5	Oct-10	0.25	0.1		21.44	7.16	0.99	0.123
		3.5	0.8	43.9	19.74	7.29	1.71	0.132
		3	0.6	31.1	21.52	7.23	0.26	0.122
		5	1.1	19.6	20.86	7.37	0.53	0.124
		6.5	1.4	5.62	21.06	7.36	0.64	0.124
		7	1.5	2.58	21.12	7.40	0.32	0.125
		7.5	1.6	3.31	21.00	7.40	0.32	0.125
	Apr-11	1	0.2	20.5	21.18	7.62	1.48	0.130
		2	0.4	20.15	21.19	7.56	1.25	0.127
		3	0.6	19.4	21.18	7.48	1.17	0.126
		4.5	0.9	13.9	21.25	7.42	1.03	0.126
		5	1.0	14.5	21.18	7.40	0.96	0.127
		5.1	1.0	9.51	21.16	7.44	0.90	0.128
		5.15	1.0	6.31	21.23	7.51	0.79	0.128
		5.25	1.1	5.93	21.23	7.49	0.78	0.129
	Oct-11	0.75	0.2	91.2	20.78	7.24	0.79	0.121
		1.5	0.3	34.9	21.37	7.27	0.74	0.119
		2.25	0.5	27.9	21.11	7.10	0.84	0.119
		3	0.7	12.6	21.67	7.25	0.67	0.120
		3.75	0.8	9.58	21.78	7.10	0.64	0.119
		4.5	1.0	8.97	21.57	7.19	0.65	0.120
		5.25	1.2	17.3	21.26	6.91	4.55	0.119
		6	1.3	15.6	21.70	7.32	3.02	0.121
		6.75	1.5	16	22.35	7.29	1.59	0.121
		7.5	1.6	12.3	22.15	7.15	1.47	0.121
		8.25	1.8	18.4	22.08	7.31	0.81	0.122
		9	2.0	5.90	22.41	7.24	0.91	0.122
		9.75	2.1	5.76	22.26	7.28	0.61	0.123
		10.5	2.3	1.98	22.52	7.28	0.62	0.124
		11.25	2.5	0.93	22.82	7.3	0.52	0.125
		12	2.6	0.87	22.72	7.38	0.41	0.126
		12.75	2.8	5.59	22.63	7.36	0.44	0.126
		13.5	3.0	13.0	22.14	7.08	0.91	0.124
		14.25	3.1	8.97	21.54	6.99	0.78	0.123
		15	3.3	0.79	21.54	7.08	0.4	0.126
	Apr-12	1.00	0.2	13.2	20.57	7.25	0.79	0.134
		2.00	0.4	5.84	20.80	7.12	0.57	0.123
		2.75	0.6	7.94	20.69	7.02	0.56	0.122
		4.00	0.8	8.25	20.83	7.01	0.53	0.122
		4.75	1.0	5.27	20.97	7.00	0.40	0.122
		5.50	1.1	5.72	21.07	6.93	0.42	0.121
		6.25	1.3	4.88	21.02	6.92	0.37	0.121
		7.25	1.5	3.88	21.04	6.96	0.33	0.121
		8.00	1.7	1.9	21.10	6.99	0.30	0.121
		9.00	1.9	1.29	21.13	6.99	0.29	0.121
		10.00	2.1	1.26	21.04	6.97	0.30	0.121
		10.75	2.2	1.06	21.08	6.96	0.28	0.120
	Apr-12	11.50	2.4	1.14	21.05	6.94	0.26	0.121
		13.00	2.7	1.22	21.03	6.91	0.26	0.119
		14.00	2.9	0.87	21.04	6.92	0.24	0.119
		14.75	3.1	0.8	21.03	6.93	0.23	0.118
	Oct-12	1.00	0.2	17.1	20.75	7.51	0.71	0.134
		2.00	0.4	7.05	21.11	7.13	0.49	0.124
		3.75	0.8	3.46	21.12	7.08	0.51	0.122
		4.75	1.1	2.78	21.17	7.10	0.53	0.122
		5.75	1.3	3.6	21.17	7.14	0.47	0.121
		6.75	1.5	1.27	21.27	7.24	0.32	0.122
		7.75	1.7	1.96	21.16	7.28	0.27	0.121
		8.75	1.9	2.36	21.25	7.16	0.42	0.121
		9.75	2.2	2.15	21.23	7.26	0.24	0.119
		10.75	2.4	2.49	21.27	7.30	0.21	0.118
		11.75	2.6	1.75	21.21	7.33	0.19	0.117
		12.75	2.8	1.86	21.31	7.34	0.17	0.116
		13.75	3.0	1.53	21.31	7.33	0.17	0.116
		14.75	3.3	1.23	21.27	7.34	0.16	0.115
		15.75	3.5	0.8	21.37	7.36	0.14	0.115
		16.5	3.7	0.76	21.40	7.34	0.16	0.115
	Apr-13	1.00	0.22	22.60	20.98	6.50	0.34	0.118
		3.00	0.67	9.01	21.23	6.66	0.26	0.116

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		6.00	1.33	5.90	21.19	6.70	0.29	0.113
		8.00	1.77	2.21	21.20	6.80	0.15	0.113
		9.50	2.11	1.58	21.23	6.86	0.12	0.113
		11.00	2.44	1.25	21.20	6.92	0.10	0.112
		13.00	2.88	1.04	21.20	6.90	0.09	0.112
		14.00	3.10	1.01	21.23	6.92	0.08	0.111
		15	3.3	0.98	21.25	6.91	0.07	0.111
MW-6	Mar-96	4	0.9		57.1 F	5.06		0.742
		8	1.7		58.5 F	5.32		0.820
		11.5	2.5		57.7 F	5.27		0.860
	Nov-97	0	0.0	84.4	17 C	7.10		0.770
		35	7.6	19.6	17 C	7.20		0.750
		55	12.0	21.1				
	Dec-98	3.61	0.8		66.2 F	6.71		0.976
		5.61	1.2		67.7 F	6.74		0.818
		6	1.3		67.1 F	6.70		0.792
		7	1.5		67.5 F	6.73		0.791
		9	2.0		66.6 F	6.74		0.798
		11	2.4		66.9 F	6.72		0.786
	Apr-01	4	0.9	1	21.3 C	6.51	0.26	0.448
		8	1.7	0	20.7 C	6.61	0.03	0.528
		12	2.6	0	20.4 C	6.48	-0.13	0.535
	May-02	3	0.7	42	20.7 C	6.00	0.22	0.597
		6	1.3	28	20.6 C	5.92	0.11	0.595
		9	2.0	96	20.6 C	5.93	0.82	0.576
	Sep-03	5	1.1	0	20.4 C	6.25	0.31	0.211
		10	2.2	0	20.4 C	6.28	0.27	0.227
		15	3.3	0	20.4 C	6.34	0.26	0.227
	May-04	2	0.6	9.7	22.08 C	6.81	1.09	0.438
		3	0.9	9.2	24.12 C	6.81	0.65	0.448
		4	1.3	8.4	23.36 C	6.81	0.61	0.453
		4.5	1.4	7.7	23.56 C	6.81	0.58	0.450
	Jul-06	3.3	1.0	51	20.1 C	7.11	1.22	0.295
		6	1.9	10	19.97 C	7.17	0.64	0.391
		9	2.8	8.1	19.99 C	7.18	0.62	0.409
	Apr-07	1	0.3	57.2	21.06 C	6.98	0.70	0.511
		3	0.9	6.32	21.08 C	7.02	0.25	0.517
MW-6		5	1.6	2.34	21.03 C	7.00	0.22	0.505
		7.5	2.4	1.52	20.86 C	6.99	0.20	0.495
		10	3.2	1.1	21.34 C	6.98	0.20	0.479
	Oct-07	0.3	0.1	65.7	20.94 C	6.45	0.61	0.191
		0.8	0.2	62.2	21.21 C	6.43	0.46	0.188
		1.1	0.2	48.4	21.26 C	6.41	0.49	0.186
		1.8	0.4	5.48	21.53 C	6.46	0.33	0.199
		2.4	0.5	3.32	21.63 C	6.48	0.24	0.209
		2.8	0.6	3.8	21.51 C	6.49	0.23	0.210
		3.3	0.7	2.2	21.86 C	6.48	0.21	0.208
	Apr-08	0.5	0.1	27.9	20.71 C	6.44	0.63	0.105
		1	0.3	16.7	20.64 C	6.32	0.44	0.111
		2	0.6	6.25	20.41 C	6.32	0.32	0.138
		3	0.8	8.62	20.35 C	6.37	0.26	0.164
	Oct-08	0.75	0.2	90.4	19.97 C	8.23	1.11	0.210
		1.25	0.4	21.7	20.2 C	8.24	0.71	0.347
		2.5	0.8	8.69	20.24 C	8.21	0.61	0.380
		4	1.3	5.89	20.24 C	8.16	0.55	0.382
	Apr-09	0.5	0.1	54.3	19.93 C	6.67	0.70	0.201
		1	0.3	27.3	20.36 C	6.65	0.60	0.202
		1.5	0.4	12.5	20.5 C	6.68	0.43	0.210
		2	0.6	6.22	20.3 C	6.69	0.40	0.217
		2.5	0.7	4.3	20.43 C	6.69	0.35	0.222
	Oct-09[a]	0.5	0.1	85.1	20.07 C	6.31	0.72	0.144
		1.25	0.4	38.2	20.54 C	6.32	0.49	0.138
		1.65	0.5	23.8	20.98 C	6.26	0.41	0.148
		2.5	0.7	27.9	21.06 C	6.39	0.35	0.167
		3.4	1.0	25.3	21.01 C	6.41	0.39	0.188
		4.25	1.2	15.95	20.91 C	6.49	0.29	0.199
		5	1.4	15.98	20.79 C	6.49	0.25	0.203
		6	1.7	13.19	20.86 C	6.53	0.22	0.207
		7.1	2.0	13.32	20.98 C	6.51	0.21	0.216
		8.25	2.3	14.42	20.87 C	6.60	0.24	0.219
		9.75	2.7	12.66	20.67 C	6.66	0.29	0.223
		10.5	2.9	12.66	20.68 C	6.67	0.28	0.224
		11.5	3.2	14.84	20.65 C	6.69	0.25	0.223
		12.5	3.5	11.8	20.86 C	6.72	0.27	0.224
		13.8	3.9	11.19	20.68 C	6.68	0.28	0.224
		14.1	3.9	11.66	20.61 C	6.61	0.37	0.225
		14.75	4.1	9.91	20.89 C	6.74	0.34	0.225
	Apr-10	1	0.3	133	21.24	5.61	0.24	0.119
		2	0.6	85.3	21.17	5.65	0.29	0.132

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3	0.8	47.1	21.19	6.12	0.31	0.208
		3.75	1.1	32.9	21.65	6.31	0.25	0.234
		4.5	1.3	53.8	21.91	6.39	0.21	0.245
		6	1.7	23	21.19	6.31	0.19	0.255
		7	2.0	115	21.15	6.35	0.16	0.260
		8	2.2	13.8	21.2	6.41	0.16	0.269
		9	2.5	8.59	21.11	6.38	0.14	0.281
		11	3.1	4.95	21.07	6.46	0.12	0.283
		12	3.4	3.28	21.13	6.48	0.11	0.288
		13	3.6	2.95	21.14	6.48	0.09	0.292
		14	3.9	3.06	21.16	6.48	0.09	0.291
		16	4.5	2.65	21.16	6.49	0.07	0.292
	Oct-10	0.5	0.2	4.91	21.21	7.04	0.56	0.530
		1	0.4	1.08	21.05	7.01	0.49	0.533
		2	0.7	0.74	21.04	7.00	0.51	0.516
		2.5	0.9	0.81	21.41	7.00	0.51	0.518
		3	1.1	0.57	21.40	7.00	0.47	0.518
	Apr-11[a]	0.5	0.1	130	19.67	6.55	2.58	0.306
		0.75	0.2	72.3	20.40	6.51	2.07	0.295
		1.25	0.4	28.5	20.43	6.50	2.08	0.280
		2	0.6	16.4	20.49	6.48	2.01	0.284
		2.75	0.8	6.45	20.44	6.49	2.24	0.286
		4.5	1.3	4.06	20.37	6.50	2.18	0.289
		5	1.5	3.25	20.37	6.50	2.13	0.292
	Oct-11	1.25	0.5	3.40	20.47	7.05	0.36	0.419
		2.5	0.9	2.59	20.52	7.02	0.37	0.430
		3.75	1.4	3.84	20.60	7.01	0.42	0.432
		5	1.9	8.91	20.18	6.92	1.23	0.421
		5.75	2.1	6.73	21.13	6.94	0.43	0.430
		8.75	3.3	5.19	20.38	6.79	0.14	0.415
		10	3.7	3.75	20.39	6.86	0.15	0.405
		11.5	4.3	3.95	20.39	6.90	0.15	0.402
		13	4.9	4.48	20.40	6.89	0.16	0.394
	Apr-12	1	0.3	11.8	20.41	7.10	0.68	0.423
		2	0.7	5.12	20.57	7.10	0.52	0.433
		3	1.0	1.64	20.75	7.08	0.40	0.436
		4	1.4	0.85	20.81	7.07	0.32	0.438
		5	1.7	0.75	20.80	7.05	0.28	0.434
		6	2.1	0.42	20.80	7.04	0.25	0.432
		7	2.4	0.13	20.83	7.02	0.23	0.431
		8	2.8	0.12	20.93	7.02	0.20	0.428
		9	3.1	0.10	20.97	7.02	0.18	0.427
		10	3.5	0.05	20.98	7.01	0.17	0.427
		11	3.8	0	21.01	7.00	0.16	0.426
		12	4.2	0	21.05	7.00	0.15	0.425
		13	4.5	0	21.08	6.94	0.14	0.426
		14	4.9	0	21.06	6.99	0.13	0.428
	Oct-12	1	0.4	14.7	21.69	6.77	0.60	0.470
		2	0.8	4.75	21.83	6.86	0.28	0.477
		4	1.6	2.49	21.85	6.84	0.22	0.473
		5	2.0	1.22	21.92	6.92	0.19	0.475
		6.0	2.4	1.0	22.0	6.9	0.2	0.5
		7.5	3.0	1.1	21.8	7.0	0.2	0.5
		8.5	3.4	1.1	21.9	6.9	0.2	0.5
	Apr-13	1.25	0.5	67.90	20.59	6.10	1.00	0.180
		2.5	1.0	19.00	20.70	6.14	0.37	0.180
		5	2.0	6.09	20.72	6.19	0.26	0.194
		5.5	2.2	4.28	20.64	6.22	0.23	0.205
		6.5	2.6	3.03	20.74	6.22	0.19	0.209
		7	2.8	3.15	20.74	6.29	0.15	0.214
		7.75	3.1	1.87	20.71	6.24	0.14	0.215
		8.5	3.4	1.75	20.80	6.24	0.12	0.218
		10.8	4.4	1.69	20.76	6.25	0.12	0.221
	Oct-13	2	0.8	25.00	21.03	6.20	0.21	135.700
		4.5	1.8	2.88	21.18	6.25	0.41	144.000
		6	2.4	7.80	21.53	6.32	0.41	158.000
		8	3.2	5.41	21.42	6.34	0.39	163.000
		10	4.0	3.00	22.15	6.33	0.29	163.000
		12	4.9	2.89	22.11	6.31	0.28	159.000
	Apr-14	2	0.8	436	19.86	6.07	0.87	0.121
		3.5	1.4	391	19.83	6.19	0.63	0.156
		7	2.8	10.80	19.80	6.27	0.34	0.172
		9	3.6	8.79	19.82	6.28	0.30	0.172
		11	4.5	6.11	19.83	6.30	0.30	0.172
		13	5.3	4.23	19.82	6.30	0.30	0.173
MW-7	Mar-96	3	1.25	19.1	55.4 F	7.68		0.074
		6	2.5	19.15	57.4 F	7.94		0.076
		9.5	4.0	19.15	57.1 F	8.00		0.087
	Nov-97	0	0.0	1409	13 C			0.060

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		20	8.3	346	16 C			0.060
		25	10.4	185	15 C			0.060
		30	12.5	235	18 C			0.060
		35	14.6	146	15 C			0.060
		40	16.7	97	15 C			0.060
		45	18.8	49	16 C			0.060
		50	20.8	85	15 C			0.060
	Dec-98	1	0.4		65.4 F	5.62		4.180
		4	1.7		65.4 F	6.18		0.183
		6	2.5		64.1 F	6.31		0.246
		8	3.3		64.7 F	6.32		0.234
		10	4.2		63.8 F	6.25		0.131
	Apr-01	3	1.3	64	20.3 C	5.54	7.17	0.057
		6	2.5	53	20.1 C	5.18	7.44	0.063
		9	3.8	10	20.1 C	5.65	7.52	0.063
	May-02	2	0.8	280	19.9 C	5.38	4.07	0.067
		4	1.7	148	19.8 C	4.61	4.01	0.064
		6	2.5	251	19.7 C	4.69	4.00	0.064
	Sep-03[b]	2.4	1	95.2	20.0 C	5.20	6.68	0.067
		4.8	2	28.1	20.1 C	5.24	5.67	0.071
		12	5	>999	20.3 C	5.27	7.18	0.077
	May-04	0.5	0.34	192	25.17 C	5.64	6.37	0.095
		0.75	0.51	68	27.47 C	5.74	6.46	0.094
		1	0.68	47.6	26.27 C	5.75	6.50	0.094
		1.3	0.88	40.3	26.48 C	5.75	6.65	0.094
		1.5	1.02	36	26.5 C	5.74	6.44	0.094
		1.75	1.19	26.6	25.55 C	5.75	6.48	0.094
		2	1.36	18.9	27.11 C	5.70	6.35	0.094
		2.25	1.53	13.5	27.59 C	5.71	6.18	0.093
		2.4	1.63	13.3	28.62 C	5.71	6.30	0.094
		2.7	1.84	9.2	26.11 C	5.75	6.33	0.095
		3	2.04	7.6	26.81 C	5.69	6.32	0.095
MW-7R	May-04	1.5	0.89	59.9	24.71 C	7.37	6.51	0.095
		1.8	1.07	42	24.31 C	6.45	6.27	0.095
		1.9	1.13	29.4	24.27 C	6.10	6.27	0.094
		2.3	1.37	35.3	23.8 C	5.94	6.17	0.093
		2.5	1.49	20.6	27.01 C	5.86	6.21	0.093
		3	1.79	13	26.64 C	5.80	6.33	0.093
		4	2.38	9.5	26.65 C	5.79	6.35	0.093
		4.2	2.50	9.3	26.56 C	5.78	6.31	0.093
	Jul-06	11	6.55	59.9	24.71 C	7.37	6.51	0.095
		15	8.93	42	24.31 C	6.45	6.27	0.095
		20	11.90	29.4	24.27 C	6.10	6.27	0.094
MW-7R		22	13.10	35.3	23.8 C	5.94	6.17	0.093
	Apr-07	4.5	3.41	829	19.57 C	5.92	7.06	0.105
		6	4.55	429	19.47 C	5.84	6.89	0.104
		7	5.30	286	19.56 C	5.82	6.86	0.105
		10	7.58	82.5	19.68 C	5.82	7.22	0.104
		14	10.61	11.9	19.57 C	5.81	6.82	0.105
		14.5	10.98	6.32	19.61 C	5.81	6.81	0.104
	Oct-07[a]	0.3	0.27	1100	18.79 C	5.91	4.79	0.115
		1.5	1.36	630	19.57 C	5.96	4.98	0.105
		2.4	2.18	258	19.44 C	5.96	4.78	0.104
		3.5	3.18	134	19.97 C	5.94	4.74	0.104
		4.4	4.00	108	19.91 C	5.95	4.75	0.104
		5.6	5.09	118	19.66 C	5.95	4.86	0.104
		6.7	6.09	58	19.76 C	5.92	5.92	0.104
		7.6	6.91	52	19.81 C	5.92	4.77	0.103
		8.8	8.00	53	19.82 C	5.90	4.95	0.103
		9.5	8.64	43.1	19.61 C	5.89	5.00	0.103
		10	9.09	40.6	19.63 C	5.89	4.93	0.103
		10.4	9.45	38.9	19.88 C	5.89	5.06	0.103
	Apr-08[a]	0.25	0.26	654	20.06 C	6.21	4.94	0.153
		0.75	0.78	702	20.25 C	6.01	4.91	0.129
		1.5	1.56	401	20.97 C	5.96	4.80	0.125
		2.5	2.60	262	21.02 C	5.94	4.37	0.123
		3.75	3.91	147	20.77 C	5.92	4.95	0.121
		5	5.21	114.2	20.31 C	5.84	4.57	0.120
		5.25	5.47	209	21.91 C	5.90	4.69	0.119
		5.35	5.57	135	21.23 C	5.96	5.12	0.119
	Oct-08[a]	0.1	0.11	475	18.7 C	6.08	3.53	0.138
		0.25	0.27	292	19.23 C	5.85	4.21	0.125
		0.5	0.54	151	19.4 C	5.74	5.30	0.114
		1	1.09	120	19.72 C	5.70	5.52	0.111
		1.2	1.30	86	19.73 C	5.78	5.59	0.110
		1.4	1.52	61.3	19.28 C	5.72	5.74	0.109
		1.5	1.63	56.3	19.01 C	5.69	5.75	0.109
		1.7	1.85	49.3	18.93 C	5.69	5.72	0.109

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2	2.17	46.5	18.36 C	5.70	5.60	0.108
		2.1	2.28	42.2	18.02 C	5.70	5.68	0.108
		2.2	2.39	48.7	18.3 C	5.64	5.74	0.108
		2.3	2.50	35.3	18.44 C	5.62	5.73	0.108
		2.5	2.72	30.2	18.37 C	5.62	5.70	0.108
		2.6	2.83	31.5	18.34 C	5.60	5.70	0.108
		2.7	2.93	32.7	18.27 C	5.60	5.75	0.108
		2.8	3.04	32.5	18.25 C	5.61	5.71	0.108
	Apr-09[a]	0.2	0.21	715	18.27 C	6.04	6.09	0.117
		0.5	0.52	484	18.4 C	5.97	5.90	0.114
		0.6	0.62	323	17.76 C	5.99	5.81	0.114
		0.7	0.72	467	17.5 C	5.97	5.94	0.114
		0.8	0.82	326	17.36 C	5.97	5.88	0.114
		0.9	0.93	263	17.75 C	5.99	5.77	0.113
		1	1.03	267	17.82 C	5.99	5.62	0.114
		1.1	1.13	276	17.91 C	5.99	5.24	0.114
		1.2	1.24	190	18.86 C	5.94	6.04	0.113
		1.6	1.65	94.4	18.94 C	5.95	6.05	0.113
		2	2.06	48.8	18.97 C	5.94	6.02	0.113
		2.6	2.68	25.3	19.04 C	5.94	6.02	0.111
		3.2	3.30	13.6	19.11 C	5.94	6.04	0.111
		3.7	3.81	11.9	19.15 C	5.94	6.03	0.111
		3.9	4.02	11.3	19.08 C	5.94	6.10	0.111
		4.1	4.23	9.6	19.12 C	5.93	6.10	0.111
	Oct-09[a]	0.05	0.04	176	19.27 C	6.06	4.43	0.140
		0.45	0.35	129	19.19 C	5.87	5.20	0.125
		1.2	0.94	63.7	19.04 C	5.75	5.73	0.118
		1.95	1.52	41.2	19.01 C	5.73	5.73	0.117
		2.9	2.27	30.1	19.02 C	5.71	5.69	0.117
		3.5	2.73	18.5	19.02 C	5.72	5.69	0.117
		4.1	3.20	24.5	19.13 C	5.75	5.58	0.117
		4.3	3.36	19.9	19.11 C	5.73	5.69	0.117
		5.1	3.98	12.3	19.04 C	5.71	5.65	0.117
		5.5	4.30	13.9	19.04 C	5.71	5.67	0.117
		6	4.69	13.2	19.04 C	5.70	5.68	0.117
	Apr-10[a]	0.25	0.14	above range	20.85	5.79	3.30	0.139
		1.25	0.69	698	21.07	5.51	5.33	0.116
		2.25	1.25	282	20.97	5.60	5.11	0.116
		3.5	1.94	137	21.05	5.59	5.41	0.116
		4.5	2.50	418	20.89	5.61	5.46	0.116
		5.5	3.06	100	20.95	5.65	5.45	0.116
		6.5	3.61	83.5	20.76	5.65	5.47	0.116
		7.25	4.03	34.1	20.68	5.46	5.50	0.116
		9	5.00	68.3	20.97	5.71	5.48	0.116
		11	6.11	21.1	20.49	5.59	5.50	0.115
		11.25	6.25	22.4	20.74	5.73	5.46	0.116
		12	6.67	16.9	21.02	5.75	5.45	0.116
		12.5	6.94	23	21.42	5.79	5.42	0.116
	Oct-10	0.5	0.3	229	20.01	5.95	6.40	0.129
		2.75	1.6	67.8	20.36	5.90	7.04	0.124
		4.5	2.6	66.1	20.59	5.90	6.99	0.123
		7.5	4.3	32.9	19.68	5.86	7.10	0.124
		8.5	4.9	28.1	19.62	5.86	7.19	0.123
		9.5	5.4	30.3	19.62	5.86	7.17	0.124
	Apr-11[a]	0.5	0.3	602	19.52	5.76	6.47	0.128
		1.5	1.0	262	19.64	5.83	6.93	0.122
		4.5	3.0	193	19.64	5.83	6.93	0.121
		5.5	3.7	109	19.72	5.83	6.94	0.122
		7	4.7	106	19.8	5.80	6.96	0.122
		9	6.0	74.1	19.86	5.78	6.95	0.122
		10	6.7	78.4	19.86	5.75	6.98	0.122
		12	8.1	51.2	19.9	5.75	6.96	0.122
	Apr-11[a]	13.5	9.1	88.7	19.63	5.72	7.03	0.122
		16	10.7	29.6	19.48	5.72	7.01	0.121
		19.5	13.1	19	19.47	5.70	6.99	0.123
		20	13.4	23.5	19.45	5.67	7.00	0.122
		20.5	13.8	18.7	19.5	5.66	6.94	0.122
		22	14.8	23.2	19.46	5.64	6.93	0.122
	Oct-11	0.5	0.4	894	19.61	5.88	5.48	0.122
		2	1.4	615	19.15	5.69	5.97	0.118
		4	2.8	340	19.16	5.83	6.00	0.117
		6	4.3	193	19.18	5.73	5.96	0.117
		8	5.7	130	19.25	5.76	5.95	0.117
	Apr-12	1.25	1.4	76.1	18.86	5.94	5.22	0.120
		2.5	2.7	51.4	18.93	5.93	5.20	0.118
		4	4.4	34.3	19.00	5.92	5.13	0.118
		5	5.5	18.4	18.95	5.91	5.09	0.118
		6	6.6	13.7	19.01	5.90	5.05	0.117

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		7	7.7	9.21	19	5.89	5.02	0.117
	Oct-12	0.75	1.0	305	20.94	5.32	6.19	0.122
		1.5	2.1	51.2	20.74	5.57	6.32	0.116
		2	2.7	53.9	20.92	5.78	6.29	0.117
		2.5	3.4	52.6	21.18	5.89	6.26	0.116
		3.5	4.8	27.1	21.20	5.90	6.28	0.116
		4.75	6.5	25.4	21.14	5.89	6.31	0.116
		5.25	7.19	24.70	21.12	5.90	6.31	0.12
	Apr-13	1.00	1.37	60.30	19.56	5.53	5.43	0.122
		2.00	2.74	37.60	19.52	5.33	5.64	0.120
		3.00	4.11	9.33	19.59	5.34	5.72	0.119
		4.00	5.48	5.98	19.60	5.34	5.72	0.118
		5.00	6.85	4.73	19.83	5.36	5.72	0.119
MW-8	Mar-96	4	1.7	18.92	54.5 F	6.49		0.585
		8	3.3	18.88	57.1 F	6.25		0.619
		12	5.0	18.91	56.5 F	6.20		0.630
	Nov-97	12	5.0	> 1000	18 C	6.60		1.260
		25	10.4	650	17 C	6.60		1.260
		55	22.9	700	17 C	6.60		1.260
		75	31.3	635	17 C	6.60		1.260
		82	34.2	620	17 C	6.60		1.260
	Dec-98	1	0.4		61.5 F	6.48		2.060
		3	1.3		62.5 F	6.46		1.950
		5	2.1		61.9 F	6.30		2.160
		7	2.9		62.9 F	6.22		1.990
		10	4.2		62.6 F	6.25		2.060
		12	5.0		62.9 F	6.25		2.060
	Apr-01	3	1.3	40	20.4 C	6.21	0.09	0.601
		6	2.5	22	19.5 C	6.20	0.30	0.641
		9	3.8	19	19.2 C	6.19	-0.13	0.819
	May-02	1	0.4	999	19.8 C	5.79	2.34	1.100
	Sep-03[b]	2	0.8	359	19 C	6.36	0.61	0.575
		4	1.7	405	19.6 C	6.27	0.36	0.611
		6	2.5	68.2	19.7 C	6.41	0.31	0.831
		8	3.3	23.9	19.8 C	6.46	2.13	1.100
		11	4.6	8.4	19.4 C	6.50	0.27	1.090
	May-04	2	1.1	35.7	21.05 C	6.36	0.38	0.862
		3	1.7	17	21.72 C	6.24	0.69	1.080
		4	2.3	19.1	24.25 C	6.19	1.35	1.100
		5	2.8	32	27.94 C	6.13	2.81	1.090
		6	3.4	16	26.19 C	6.17	1.80	0.927
		7	4.0	35.3	22.44 C	6.21	1.52	0.955
		8	4.5	9.7	28.7 C	6.16	1.12	1.100
		8.5	4.8	8.7	25.49 C	6.17	1.25	1.110
		9	5.1	7.8	24.46 C	6.17	1.16	1.120
		9.5	5.4	9.9	23.36 C	6.17	1.03	1.110
		10	5.6	10.5	22.91 C	6.19	0.91	1.110
		10.5	5.9	8.4	22.18 C	6.22	0.80	1.120
		11	6.2	8	22.23 C	6.21	0.80	1.120
	May-05	2.4	1.0	106	19.44 C	6.35	0.47	0.372
		4.8	2.0	25.9	19.27 C	6.38	0.38	0.492
		5.2	2.2	22.8	19.23 C	6.39	0.35	0.514
	Jul-06	1.5	0.8	422	19.46 C	7.39	2.10	0.577
		3	1.7	367	19.65 C	7.20	1.64	0.663
		5	2.1	124	19.48 C	7.05	0.12	0.904
		6	2.6	100	19.49 C	7.03	0.11	0.918
		8	3.4	52.6	19.50 C	6.99	0.09	0.941
	Apr-07	1.5	0.9	320	20.42 C	6.92	0.49	1.733
		2	1.2	58.4	20.35 C	6.95	0.44	1.879
		4	2.4	38.7	20.38 C	6.99	0.83	2.044
		6.5	3.9	38.2	20.39 C	6.99	0.55	2.077
		8.5	5.1	25.5	20.38 C	6.99	0.53	2.066
	May-07			299	23.5 C	7.28	1.93	1.640
				372	22.5 C	7.24	0.55	1.620
				205	22.1 C	7.23	0.26	1.580
				195	21.7 C	7.23	0.17	1.560
	Oct-07[a]	0	0.0	168.8	17.51 C	6.36	2.75	1.237
		0.2	0.2	140.3	18.07 C	6.40	2.18	1.200
		0.3	0.3	105.2	18.32 C	6.37	1.64	1.176
		0.4	0.4	73.9	18.8 C	6.38	1.12	1.164
		0.6	0.6	57.1	19.03 C	6.37	0.78	1.174
		0.75	0.7	44.7	19.01 C	6.37	0.72	1.176
		0.85	0.8	25.5	19.54 C	6.36	0.81	1.174
		1	0.9	18.8	19.76 C	6.37	0.78	1.173
		1.2	1.1	15.5	20.27 C	6.38	0.73	1.173
		1.3	1.2	14.3	20.73 C	6.38	0.73	1.173
		1.4	1.3	12.4	21.26 C	6.38	0.71	1.170
		1.4	1.3	11.3	21.98 C	6.38	0.68	1.171
		1.5	1.4	10.8	22.15 C	6.38	0.65	1.174

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		1.5	1.4	9.13	22.47 C	6.38	0.65	1.176
	Apr-08[a]	0.15	0.1	268	20.59 C	6.55	1.12	1.204
		0.3	0.3	187	20.41 C	6.36	1.22	1.074
		0.5	0.4	104	19.91 C	6.28	0.67	0.940
		0.9	0.8	79.1	19.83 C	6.25	0.54	0.942
		1.25	1.0	92.4	19.75 C	6.33	0.43	1.003
		1.5	1.3	135	19.69 C	6.36	0.42	1.041
		1.9	1.6	163	19.8 C	6.39	0.43	1.075
		2.3	1.9	165	19.7 C	6.43	0.46	1.120
		2.6	2.2	152	19.62 C	6.46	0.47	1.170
		3	2.5	142	19.65 C	6.45	0.48	1.174
		3.4	2.8	132	19.64 C	6.47	0.44	1.182
		3.5	2.9	141	19.6 C	6.47	0.41	1.187
		3.6	3.0	145	19.51 C	6.47	0.40	1.189
	Oct-08	0.15	0.1	143	18.16 C	5.17	1.37	0.892
		0.2	0.2	61.2	18.02 C	6.89	1.05	0.872
		0.22	0.2	52.9	18.34 C	7.41	1.02	0.859
		0.25	0.2	48.7	18.37 C	7.40	0.99	0.861
		0.3	0.3	36.8	18.58 C	7.02	0.91	0.904
		0.35	0.3	28.2	18.64 C	6.92	0.91	0.943
		0.4	0.4	23.7	18.76 C	6.88	0.90	0.970
		0.45	0.4	23.4	18.98 C	6.74	0.80	1.026
		0.5	0.5	23.8	19.06 C	6.73	0.78	1.036
		0.55	0.5	20.5	19.02 C	6.57	0.79	1.055
		0.6	0.5	19.2	19.02 C	6.46	0.85	1.065
		0.65	0.6	17.3	19.03 C	6.41	0.85	1.072
		0.7	0.6	16.3	19.03 C	6.35	0.89	1.083
		0.75	0.7	12.1	19.05 C	6.34	0.91	1.087
		0.8	0.7	11.8	19.18 C	6.30	0.96	1.098
		0.85	0.8	10.8	19.36 C	6.30	1.02	1.108
		0.9	0.8	9.43	19.41 C	6.30	1.08	1.118
	Apr-09[a]	0.05	0.1	761	21.39 C	7.19	9.00	0.967
		0.15	0.2	685	21.62 C	7.18	8.30	0.967
		0.25	0.3	575	21.18 C	7.07	7.68	0.982
		0.35	0.4	479	20.88 C	6.77	6.25	1.015
	Apr-09[a]	0.5	0.5	286	20.52 C	6.69	5.10	1.044
		0.7	0.7	195	20.18 C	6.61	4.01	1.072
		0.8	0.9	100.7	20.15 C	6.58	2.56	1.101
		1.05	1.1	75.1	20.07 C	6.51	2.05	1.121
		1.2	1.3	45.1	20.01 C	6.51	1.60	1.129
		1.25	1.3	24.1	19.92 C	6.49	1.41	1.133
		1.45	1.5	16.3	19.88 C	6.48	0.88	1.133
		1.6	1.7	11.6	19.52 C	6.49	0.79	1.133
		1.65	1.8	11.4	19.76 C	6.49	0.71	1.136
		1.7	1.8	11.1	20.10 C	6.49	0.59	1.139
		1.85	2.0	7.56	20.06 C	6.49	0.54	1.140
	Oct-09[a]	0.0	0.0	287	18.67 C	6.28	1.67	0.819
		0.3	0.2	44.1	18.96 C	6.40	1.15	0.797
		0.55	0.4	27.5	19.04 C	6.40	1.00	0.834
		0.85	0.6	18.5	19.04 C	6.41	0.88	0.880
		1.1	0.8	17.7	19.06 C	6.41	0.78	0.906
		1.35	1.0	12.5	19.09 C	6.42	1.09	0.930
		1.5	1.1	12.6	19.12 C	6.42	0.78	0.940
		1.85	1.3	14.3	19.13 C	6.42	0.64	0.947
		1.95	1.4	12.5	19.34 C	6.43	0.69	0.951
		2.05	1.5	13.3	19.4 C	6.43	0.75	0.958
		2.3	1.6	13.7	19.32 C	6.43	0.64	0.969
		2.5	1.8	10.8	19.3 C	6.42	0.58	0.970
		2.6	1.9	11.6	19.3 C	6.42	0.58	0.972
		2.7	1.9	9.8	19.28 C	6.42	0.56	0.974
	Apr-10[a]	0.2	0.1	538	19.28	6.25	1.31	0.319
		0.5	0.4	434	18.82	6.22	0.94	0.358
		1	0.7	243	18.63	6.30	0.65	0.462
		1.5	1.1	170	18.65	6.34	0.58	0.509
		2.25	1.6	120	18.66	6.38	0.52	0.555
		3	2.1	72.5	18.6	6.41	0.49	0.592
		3.7	2.6	69.1	18.57	6.42	0.46	0.622
		4.4	3.1	50.2	18.57	6.44	0.43	0.647
		5.1	3.6	37.4	18.83	6.45	0.41	0.664
		5.8	4.1	33.5	18.84	6.47	0.39	0.680
		6.5	4.6	29.5	18.83	6.49	0.38	0.690
		7.2	5.1	40.5	18.78	6.50	0.36	0.699
		7.9	5.6	33.3	18.69	6.50	0.36	0.706
		8.7	6.2	23.5	18.65	6.49	0.34	0.711
		9.4	6.7	24.3	18.63	6.48	0.32	0.717
		9.75	7.0	22.8	18.66	6.49	0.32	0.719
		10.1	7.2	22.2	18.79	6.49	0.31	0.722
		10.45	7.5	20.5	18.8	6.49	0.31	0.726

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-8	Oct-10	0	0.0	285	20.37	6.72	2.36	0.815
		2.25	0.9	27.0	19.60	6.65	0.33	0.924
		5.65	2.4	15.0	19.41	6.64	0.25	0.952
		6.45	2.7	12.0	19.37	6.64	0.30	0.968
		6.85	2.9	11.8	19.38	6.63	0.29	0.970
		7.25	3.0	9.8	19.40	6.64	0.30	0.974
	Apr-11[a]	0.25	0.2	592	20.60	6.72	5.27	1.039
		0.6	0.4	394	19.06	6.44	4.48	1.030
		1	0.6	221	18.88	6.59	4.18	1.028
		1.45	0.9	105	18.77	6.68	4.10	1.043
		2	1.3	62.5	18.67	6.70	4.09	1.036
		2.6	1.7	45.7	18.57	6.72	4.02	1.021
		3.35	2.2	34.8	18.70	6.71	3.95	1.023
		4.15	2.7	29.5	18.60	6.72	3.94	1.029
		4.8	3.1	27.4	18.93	6.76	3.91	1.036
		5.4	3.5	32.7	19.19	6.72	3.95	1.042
		6	3.9	34.2	18.94	6.72	3.94	1.028
		6.3	4.1	27.4	18.89	6.73	3.90	1.026
		6.6	4.3	31.8	18.86	6.72	3.94	1.031
		6.9	4.5	28.2	18.91	6.73	3.91	1.033
	Oct-11	0.25	0.2	436	19.24	6.56	3.61	0.937
		0.5	0.5	437	19.22	6.53	3.03	0.919
		0.75	0.7	415	19.18	6.52	3.37	0.903
		1	0.9	192	19.17	6.50	3.19	0.887
		1.25	1.1	129	19.17	6.51	3.63	0.885
		1.5	1.4	62.2	19.18	6.52	3.60	0.886
		1.75	1.6	48.3	19.19	6.52	3.50	0.885
		2	1.8	36.3	19.20	6.52	3.57	0.885
		2.25	2.0	26.4	19.20	6.53	3.84	0.884
		2.5	2.3	22.5	19.20	6.54	3.86	0.883
		2.75	2.5	17.2	19.18	6.54	3.97	0.883
		3	2.7	14.1	19.19	6.54	4.15	0.884
		3.25	2.9	12.6	19.17	6.54	4.26	0.884
		3.5	3.2	8.75	19.18	6.54	4.86	0.884
	Nov-11	0.5	0.5	683	18.74	6.18	3.20	0.812
		0.75	0.8	654	18.53	6.18	1.87	0.809
		1	1.0	609	18.67	6.31	1.87	0.812
		1.25	1.3	387	18.78	6.38	1.79	0.815
		1.5	1.5	271	18.77	6.37	1.71	0.819
		1.75	1.8	219	18.80	6.39	1.60	0.822
		2	2.0	177	18.75	6.42	1.53	0.825
	Nov-11	2.25	2.3	128	18.76	6.43	1.49	0.827
		2.5	2.6	120	18.71	6.45	1.47	0.832
		2.75	2.8	67.0	18.70	6.45	1.48	0.834
		3	3.1	42.2	18.74	6.45	1.49	0.837
		3.25	3.3	35.5	18.78	6.46	1.51	0.841
	Apr-12	0.05	0.1	34.5	21.08	6.07	0.70	1.022
		0.2	0.2	27	20.61	6.14	0.50	1.027
		0.4	0.5	21.8	20.82	6.35	0.47	1.029
		0.5	0.6	20.4	20.59	6.40	0.45	1.030
		0.6	0.7	20.1	20.05	6.33	0.37	1.029
		0.75	0.9	14.6	19.94	6.29	0.33	1.029
		1	1.1	14.4	19.98	6.38	0.29	1.030
		1.25	1.4	15.5	19.92	6.41	0.27	1.031
		1.4	1.6	13.25	19.92	6.43	0.27	1.032
		1.6	1.8	10.66	20.01	6.46	0.24	1.033
		1.75	2.0	9.45	19.99	6.47	0.22	1.035
		2	2.3	9.3	20.12	6.50	0.22	1.036
		2.2	2.5	9.82	20.04	6.48	0.20	1.036
		2.4	2.8	8.3	20.11	6.50	0.20	1.037
		2.5	2.9	7.61	20.14	6.50	0.19	1.037
		2.75	3.2	6.5	20.09	6.50	0.19	1.037
		0.1	0.2	>1000	22.96	6.47	0.48	1.103
	0ct-12	0.19	0.4	>1000	23.99	6.71	0.15	1.120
	4/13/2013	0	0.0	70.0	20.80	6.38	3.22	1.09
		0.1	0.1	84.3	19.73	5.98	0.68	1.10
		0.5	0.6	51.5	19.02	6.07	0.39	1.07
		1.2	1.4	15.8	18.93	6.17	0.32	1.07
		1.5	1.7	13.4	18.92	6.22	0.28	1.07
		1.8	2.1	13.9	18.87	6.24	0.26	1.06
		2.4	2.8	9.13	18.89	6.27	0.24	1.06
	10/13/2013	0	0.0	48.70	19.33	6.58	5.58	0.726
		0.5	0.6	11.70	18.81	6.52	0.59	0.729
		1	1.1	3.08	18.71	6.50	0.52	0.718
		1.5	1.7	1.95	18.69	6.52	0.41	0.703
		2	2.3	0.31	18.70	6.50	0.34	0.699
		2.25	2.6	0.09	18.80	6.52	0.34	0.702
		2.5	2.9	0.09	18.82	6.50	0.32	0.706
		2.75	3.2	0.26	18.84	6.51	0.31	0.71

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
	14-Apr	0.6	0.7	236	16.82	6.56	0.74	0.755
		1.25	1.4	62.3	16.80	6.52	0.58	0.707
		1.75	2.0	36.3	16.84	6.51	0.48	0.708
		2.3	2.6	23.7	17.04	6.52	0.42	0.735
		3	3.4	16.3	17.08	6.53	0.38	0.763
		3.5	4.0	12.3	16.79	6.53	0.36	0.782
		4	4.6	9.12	16.90	6.55	0.33	0.795
		4.5	5.2	7.13	16.85	6.54	0.32	0.801
		5	5.7	5.23	16.97	6.54	0.30	0.804
		5.5	6.3	5.26	16.88	6.54	0.29	0.810
		6	6.9	4.13	16.93	6.54	0.28	0.813
		6.5	7.5	3.20	17.48	6.54	0.26	0.816
MW-9a	Dec-01	2	1.3	702	19.2 C	6.76	1.67	0.743
		7	4.7	535	20.1 C	6.97	2.76	0.928
		10	6.7	219	20.2 C	6.97	2.63	0.969
		12	8.0	134	20.6 C	6.99	2.97	0.987
	May-02	2	1.3	999	20.8 C	5.94	0.30	0.284
		4	2.7	639	21.2 C	5.00	0.12	0.476
		6	4.0	279	21.3 C	4.94	0.15	0.510
		2	1.3	> 1000	20.5 C	4.93	0.79	0.199
		4	2.7	> 1000	19.9 C	4.83	0.47	0.191
		6	4.0	> 1000	20.1 C	5.07	0.81	0.273
	Sep-03[b]	1.5	1.0	203	21.1 C	6.88	0.49	0.705
		3	2.0	90.1	21.1 C	6.64	0.33	0.625
		4.5	3.0	78	21.4 C	6.83	0.33	0.773
		5.5	3.7	93.2	21.4 C	6.90	0.31	0.737
		7.5	5.0	83.9	20.8 C	6.78	0.27	0.579
		8.5	5.7	93.6	20.8 C	6.80	0.27	0.596
	May-04	1	0.9	217	22.37 C	6.33	2.04	0.331
		1.5	1.4	27.5	26.01 C	6.28	0.82	0.379
		2	1.8	20.2	25.89 C	6.36	0.64	0.411
		2.5	2.3	18.8	27.08 C	6.33	0.51	0.422
		3	2.8	19.2	27.47 C	6.32	0.48	0.421
		3.5	3.2	12.8	26.44 C	6.37	0.60	0.524
		4	3.7	11.7	26.47 C	6.43	0.51	0.557
		4.5	4.1	12.5	27.52 C	6.48	0.35	0.571
		5	4.6	13.6	29.15 C	6.50	0.33	0.575
		5.5	5.0	24.2	26.28 C	6.49	0.29	0.570
		6	5.5	37	22.13 C	6.43	0.55	0.616
		7	6.4	20.9	23.94 C	6.52	0.35	0.664
		7.5	6.9	9.5	24.87 C	6.50	0.32	0.654
	Jul-06	3	2.8	8.6	20.87 C	6.42	1.78	0.278
		5	4.6	3.1	20.92 C	6.64	2.55	0.391
		7	6.4	5.8	20.94 C	6.75	2.58	0.450
		8.5	7.8	5.7	20.92 C	6.81	2.33	0.476
	Apr-07	0.1	0.1	47.5	20.30 C	6.67	1.95	0.376
		0.9	0.8	21.9	19.86 C	6.62	1.02	0.531
		2.8	2.5	8.3	19.83 C	6.63	1.02	0.569
		3.5	3.1	4.2	19.83 C	6.74	0.98	0.571
	0ct-07	0.1	0.1	96	19.43 C	6.48	1.12	0.860
		0.25	0.1	39.6	19.98 C	6.44	1.07	0.874
		0.4	0.2	28.6	19.89 C	6.44	0.80	0.872
		0.6	0.4	16.7	20.3 C	6.45	0.60	0.883
		0.75	0.4	14	20.37 C	6.45	0.46	0.884
		0.9	0.5	11.5	20.44 C	6.45	0.39	0.881
		1.1	0.7	11.4	20.52 C	6.44	0.27	0.879
		1.25	0.7	10.4	20.57 C	6.44	0.24	0.877
		1.4	0.8	7.48	20.54 C	6.44	0.23	0.873
MW-9a	Apr-08	0.1	0.1	57.6	17.58 C	6.67	0.81	0.699
		0.25	0.2	52.9	17.83 C	6.73	0.59	0.727
		0.35	0.2	38.2	18.18 C	6.74	0.48	0.728
		0.55	0.3	30.5	18.44 C	6.70	0.65	0.669
		0.75	0.5	21.7	18.54 C	6.65	0.70	0.590
		1	0.6	17.2	18.51 C	6.51	0.59	0.461
		1.25	0.8	14.7	18.51 C	6.47	0.50	0.433
		1.4	0.9	13.1	18.6 C	6.48	0.45	0.442
		1.6	1.0	10.25	18.56 C	6.50	0.42	0.457
		1.9	1.2	7.2	18.56 C	6.52	0.40	0.473
	0ct-08	0.1	0.1	526	20.71 C	7.98	1.15	0.480
		0.75	0.7	154	21.34 C	7.75	1.11	0.537
		1.25	1.1	56.1	21.33 C	7.82	0.88	0.644
		1.75	1.5	28.3	21.48 C	7.87	0.73	0.706
		2.25	2.0	12.2	21.51 C	7.89	0.61	0.747
		2.75	2.4	7.35	21.5 C	7.89	0.53	0.766
		3.5	3.0	5.77	21.53 C	7.88	0.48	0.776
		4.25	3.7	5.82	21.53 C	7.88	0.45	0.782
	Apr-09	0.25	0.2	374	19.17 C	5.83	3.98	0.068
		0.5	0.3	53.4	19.56 C	5.84	2.90	0.078
		1	0.6	28.4	19.57 C	5.99	2.43	0.116

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2	1.2	13.3	19.83 C	6.13	1.97	0.167
		3	1.9	9.46	19.85 C	6.28	1.49	0.232
		3.5	2.2	6.95	19.64 C	6.34	1.27	0.276
		4	2.5	9.26	19.78 C	6.44	1.00	0.335
		4.5	2.8	7.82	19.84 C	6.44	0.95	0.340
		5	3.1	5.2	19.83 C	6.44	0.90	0.342
		6	3.7	6.83	19.89 C	6.43	0.85	0.349
		6.75	4.2	5.52	19.97 C	6.41	0.85	0.337
	Oct-09	0.15	0.1	36.3	22.63 C	6.40	1.36	0.279
		0.3	0.2	18.8	22.06 C	6.10	1.22	0.171
		0.5	0.3	14.4	22.08 C	5.84	1.36	0.109
		0.8	0.5	11.9	22.14 C	5.62	1.39	0.083
		1.2	0.8	8.34	22.19 C	5.62	1.22	0.093
		1.3	0.8	7.52	22.19 C	5.66	1.15	0.098
		1.5	0.9	6.88	22.15 C	5.68	1.06	0.105
MW-9b	Dec-01	20	3.3	8	20.3 C	10.76	1.01	0.960
		40	6.7	3	19.7 C	9.61	1.02	0.790
		60	10.0	3	19.8 C	9.13	1.03	0.792
	May-02	20	3.3	264	20.8 C	8.69	0.91	1.080
		40	6.7	44	20.6 C	6.80	0.06	1.080
		60	10.0	32	20.6 C	6.79	0.05	1.070
		6	1.0	152	20.7 C	6.07	0.39	1.150
		12	2.0	128	20.3 C	5.98	0.23	1.140
		18	3.0	54	20.3 C	6.02	0.36	1.130
	Sep-03[b]	6	1.0	247	23.4 C	7.24	0.37	1.490
		12 [c]	2.0	576	22.9 C	7.24	0.35	1.440
		18 [c]	3.0	763	21.9 C	7.34	0.32	1.370
		24 [c]	4.0	> 999	21.9 C	7.36	0.32	1.360
		30 [c]	5.0	>999	21.9 C	7.32	0.34	1.370
	May-04	1	0.3	17.1	21.58 C	6.76	0.48	1.500
		1.5	0.4	10.9	22.27 C	6.76	0.41	1.500
		2	0.5	15.8	21.57 C	6.78	0.46	1.510
		2.5	0.6	7.8	23.65 C	6.77	0.37	1.490
		3	0.8	7.3	23.75 C	6.79	0.43	1.510
		3.5	0.9	8.1	23.53 C	6.79	0.41	1.520
		4	1.0	6.3	23.73 C	6.79	0.41	1.520
	Jul-06	4	1.0	6.2	22.04 C	6.76	0.01	0.886
		7	1.8	18.5	22.18 C	6.76	1.08	0.911
		8	2.0	10	24.26 C	6.78	0.69	0.876
		8.5	2.2	8	24.90 C	6.77	0.40	0.887
	Apr-07	1	0.2	25.2	20.26 C	11.20	1.87	0.680
		2.5	0.5	30.7	20.34 C	11.08	3.88	0.528
		5	0.9	450	21.13 C	8.56	2.16	0.626
		7.5	1.4	358	20.71 C	7.26	0.79	1.023
		9	1.7	190	20.8 C	7.16	5.21	1.022
		10	1.8	80	21.14 C	7.13	5.69	1.025
		12	2.2	77	21.97 C	7.13	5.42	1.034
		14	2.6	177	21.77 C	7.21	6.41	1.033
		15	2.8	63.2	21.71 C	7.27	5.81	1.184
		16	2.9	27.9	20.39 C	7.20	5.42	1.179
		17	3.1	12.4	20.32 C	7.15	5.27	1.181
		18	3.3	10.3	20.31 C	7.16	5.16	1.132
		18.5	3.4	11.3	20.16 C	7.19	4.81	1.183
		20	3.7	9.6	20.19 C	7.18	4.84	1.185
	Oct-07[a,d]	1	0.2	37.6	20.19 C	7.23	0.42	0.789
		2.1	0.3	26.7	20.15 C	7.23	0.48	0.792
		3.7	0.6	68	20.55 C	7.23	0.16	0.788
		5	0.8	50.06	21.19 C	7.24	0.10	0.782
		6.1	1.0	26.3	21.1 C	7.24	0.10	0.785
		7.2	1.2	24.4	21.28 C	7.28	0.09	0.786
		8	1.3	54.8	21.61 C	7.36	0.14	0.778
		9.3	1.5	80.1	21.69 C	7.35	0.13	0.775
MW-9b	Oct-07[a,d]	10.3	1.7	81.5	22.11 C	7.37	0.11	0.774
		11.6	1.9	555	21.46 C	7.30	0.66	0.777
		12.6	2.1	352	21.3 C	7.31	1.95	0.767
		13.1	2.2	64	22.24 C	7.34	3.05	0.762
		13.5	2.2	94	23.23 C	7.34	4.57	0.780
		14	2.3	97	25.29 C	7.34	4.31	0.787
		14.5	2.4	130	24.48 C	7.33	4.85	0.787
		15.1	2.5	130	29.73 C	7.39	4.12	0.811
		16.4	2.7	105.5	20.34 C	7.39	2.95	0.799
		17.6	2.9	37.5	20.25 C	7.27	1.67	0.795
		18	3.0	35.2	20.09 C	7.26	1.73	0.794
		18.5	3.0	36	20.42 C	7.25	1.78	0.793
	Apr-08[a]	0.15	0.0	267	17.54 C	7.05	0.25	0.831
		0.3	0.1	175	16.8 C	7.14	0.32	0.830
		0.45	0.1	191	15.87 C	7.14	0.56	0.825
		0.6	0.1	202	16.81 C	7.19	0.41	0.817

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		0.67	0.1	278	16.99 C	7.20	0.52	0.810
		0.8	0.1	124	16.23 C	7.19	0.68	0.797
		0.9	0.2	119	15.84 C	7.17	0.68	0.791
		1.1	0.2	63.3	16.14 C	7.19	0.66	0.789
		1.3	0.2	66.2	16.67 C	7.19	0.69	0.786
		1.5	0.3	73.5	16.76 C	7.18	0.59	0.787
		1.7	0.3	67.5	17 C	7.16	0.66	0.784
		1.9	0.3	38.6	17.53 C	7.20	0.51	0.789
		2.1	0.4	37.2	17.85 C	7.23	0.60	0.795
		2.3	0.4	72.9	17.97 C	7.21	0.36	0.799
		2.5	0.4	28.1	18.51 C	7.22	0.32	0.798
		2.7	0.5	22.6	19.51 C	7.23	0.29	0.804
		2.9	0.5	21.7	20.14 C	7.25	0.24	0.809
		3.1	0.5	20	20.45 C	7.26	0.23	0.811
		3.3	0.6	29.8	20.5 C	7.25	0.36	0.814
		3.5	0.6	21.9	20.65 C	7.24	0.24	0.813
		3.7	0.6	32	20.94 C	7.26	0.19	0.814
		3.9	0.7	26.7	20.3 C	7.27	0.14	0.813
		4.1	0.7	27.5	21.01 C	7.27	0.12	0.814
		4.3	0.7	25.8	21.04 C	7.27	0.10	0.815
		4.5	0.8	28.9	21.14 C	7.31	0.21	0.817
		4.7	0.8	22.6	21.17 C	7.23	0.12	0.817
		4.9	0.8	23.4	21.38 C	7.24	0.07	0.818
		5.1	0.9	19.1	22.17 C	7.25	0.06	0.818
		5.3	0.9	22.3	21.74 C	7.24	0.04	0.818
		5.5	0.9	18.5	22.01 C	7.25	0.04	0.820
		5.7	1.0	16.3	22.08 C	7.23	0.09	0.822
		6.1	1.0	18.6	22.91 C	7.27	0.04	0.827
		6.3	1.1	16.6	22.71 C	7.23	0.04	0.822
		6.5	1.1	17.2	22.36 C	7.23	0.04	0.823
		7.25	1.2	16.5	22.09 C	7.26	0.24	0.828
		7.5	1.3	17	22.64 C	7.25	0.10	0.828
		8.5	1.4	15.8	22.78 C	7.25	0.06	0.830
		9.5	1.6	15.1	22.82 C	7.26	0.05	0.831
		10	1.7	16.5	22.63 C	7.25	0.05	0.826
		10.5	1.8	17.4	22.67 C	7.25	0.05	0.825
		11	1.9	14.8	22.39 C	7.25	0.04	0.823
	Oct-08	0.25	0.0	63.2	19.52 C	8.62	1.33	0.809
		0.5	0.1	33.9	19.88 C	8.65	1.02	0.806
		1	0.2	13.9	20.04 C	8.65	0.87	0.809
		2	0.3	8.44	19.96 C	8.62	0.78	0.803
		3	0.5	8.33	20.02 C	8.52	0.70	0.808
	Apr-09	0.1	0.0	126	19.28 C	7.04	0.94	0.830
		0.2	0.0	48.2	19.05 C	7.01	0.77	0.834
		0.3	0.0	24.6	19.34 C	7.01	0.71	0.836
		0.4	0.1	20.8	19.18 C	7.01	0.63	0.835
		0.6	0.1	20.3	19.34 C	7.01	0.57	0.835
		0.8	0.1	19.9	19.02 C	7.01	0.57	0.834
		1	0.2	13.5	19.46 C	7.00	0.51	0.833
		1.2	0.2	9.09	19.63 C	7.02	0.41	0.832
		1.4	0.2	7.14	19.51 C	7.03	0.39	0.830
		1.6	0.2	7.72	19.17 C	7.03	0.38	0.828
		1.8	0.3	5.03	19.75 C	7.01	0.39	0.832
	Oct-09	0.2	0.0	19.36	21.31 C	8.93	0.53	0.811
		0.25	0.0	17.76	21.19 C	8.84	0.47	0.812
		0.35	0.1	13.37	21.38 C	8.74	0.39	0.815
		0.65	0.1	22.6	21.17 C	8.68	0.35	0.818
		1.1	0.2	16.74	21.14 C	8.54	0.29	0.820
		1.35	0.2	11.97	21.15 C	8.53	0.30	0.819
		1.5	0.2	9.71	21.32 C	8.50	0.29	0.819
		1.8	0.3	7.89	21.22 C	8.60	0.25	0.821
MW-10	Dec-01	2	1.2	999	19.5 C	6.10	1.56	0.471
		6	3.7	336	20.4 C	6.30	1.33	0.483
		10	6.1	72	19.8 C	6.31	1.54	0.497
	May-02	2	1.2	342	21.6 C	6.40	1.90	0.266
		4	2.4	104	20.8 C	4.66	0.53	0.260
		6	3.7	52	20.6 C	4.61	0.49	0.260
	Sep-03	4	2.4	217	22.1 C	5.81	6.97	0.219
		4.5	2.7	68.4	23.5 C	5.76	6.24	0.215
		5	3.0	9.4	22.8 C	5.83	0.76	0.212
	May-04	1	0.6	280	23.38 C	5.78	8.88	0.000
		2	1.3	102	22.46 C	6.07	0.66	0.358
		3	1.9	47.1	23.02 C	6.06	0.56	0.357
		3.5	2.2	26.2	23.21 C	6.05	0.51	0.357
		5	3.2	16.5	23.73 C	6.03	0.43	0.363
		6	3.8	6.6	23.76 C	6.03	0.41	0.367
	Jul-06	2	1.3	230	22.72 C	6.46	8.63	0.331
		4	2.6	14.2	22.69 C	6.33	8.00	0.340
		5	3.2	8.9	22.68 C	6.35	9.63	0.348

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-10	Apr-07	0.2	0.1	32.5	21.91 C	6.42	1.25	0.438
		1.2	0.8	19.5	22.23 C	6.32	0.80	0.438
		2	1.3	11.7	21.30 C	6.07	0.48	0.450
		3.2	2.0	6.2	21.22 C	5.95	0.69	0.456
		4	2.5	2.9	21.23 C	5.85	0.74	0.461
		5	3.1	1.9	21.20 C	5.82	0.76	0.455
	Oct-07	0	0.0	175	21.21 C	5.79	8.47	0.585
		0.1	0.1	161	21.8 C	5.72	6.70	0.583
		0.2	0.1	76.6	22 C	5.46	2.67	0.581
		0.4	0.3	46.7	21.67 C	5.39	1.41	0.587
		0.6	0.4	41.8	22 C	5.37	0.92	0.596
		0.7	0.4	29.7	22.28 C	5.41	0.93	0.598
		0.8	0.5	16	22.23 C	5.37	0.71	0.607
		1	0.6	12.3	22.12 C	5.37	0.69	0.608
		1.25	0.8	11.3	21.68 C	5.36	0.63	0.609
		1.4	0.9	12.3	21.42 C	5.32	0.52	0.606
		1.6	1.0	12.4	21.5 C	5.35	0.54	0.604
		1.8	1.1	7.3	21.28 C	5.36	0.48	0.605
	Apr-08	0.2	0.1	50.3	21.75 C	6.00	0.84	0.433
		0.3	0.2	32.7	21.64 C	5.95	0.80	0.434
		0.5	0.3	25.4	21.66 C	5.95	1.46	0.435
		0.7	0.5	21.5	21.61 C	5.95	1.36	0.436
		1	0.7	13.7	21.55 C	5.90	1.00	0.439
		1.2	0.8	7.92	21.53 C	5.84	0.82	0.446
	Oct-08	0.1	0.1	302	19.48 C	5.84	1.25	0.368
		0.15	0.1	156	19.48 C	5.83	1.11	0.365
		0.25	0.2	65.9	19.56 C	5.82	0.92	0.359
		0.3	0.2	37.1	19.55 C	5.77	0.78	0.354
		0.35	0.3	36.4	19.51 C	5.74	0.76	0.354
		0.55	0.4	24.7	19.45 C	5.69	0.66	0.349
		0.65	0.5	18.2	19.65 C	5.63	0.59	0.351
		0.7	0.6	14.7	19.6 C	5.61	0.59	0.354
		0.85	0.7	12.6	19.67 C	5.57	0.56	0.360
		0.95	0.8	11.6	19.78 C	5.56	0.55	0.371
		1.15	0.9	7.82	20.17 C	5.56	0.53	0.391
	Apr-09	0.15	0.1	217	20.66 C	6.21	0.90	0.369
		0.35	0.2	165	20.61 C	6.14	0.53	0.375
		0.45	0.3	104	20.59 C	6.13	0.54	0.373
		0.55	0.4	79.2	20.55 C	6.11	1.05	0.368
		0.75	0.5	51.7	20.47 C	6.12	0.75	0.359
		1	0.7	42.9	20.44 C	6.08	1.72	0.348
		1.1	0.7	40.7	20.38 C	6.05	1.19	0.334
		1.2	0.8	29.6	20.29 C	6.12	1.84	0.325
		1.3	0.9	18.8	20.18 C	6.10	1.41	0.322
		1.45	1.0	18.3	20.17 C	6.09	1.49	0.320
		1.6	1.1	17.5	20.19 C	6.08	1.57	0.320
		1.65	1.1	15	20.15 C	6.07	1.86	0.320
		1.75	1.2	12.12	20.06 C	6.09	2.48	0.320
		1.8	1.2	8.95	20.03 C	6.06	2.42	0.321
	Oct-09[a]	0	0.0	140	21.53 C	6.28	1.29	0.499
		0.4	0.3	30.4	21.6 C	6.41	0.56	0.510
		1	0.7	22.3	21.7 C	6.43	0.56	0.550
		1.4	1.0	14.1	21.65 C	6.50	0.55	0.641
		1.95	1.4	10.4	21.64 C	6.54	0.56	0.692
		2.3	1.6	12.3	21.62 C	6.55	0.55	0.714
		2.5	1.8	19.2	21.53 C	6.56	0.59	0.717
		2.8	2.0	17.6	21.68 C	6.56	0.47	0.726
		3.05	2.2	20.97	21.67 C	6.57	0.39	0.727
		3.3	2.3	18.2	21.57 C	6.59	0.33	0.732
		3.5	2.5	14.5	21.6 C	6.59	0.31	0.734
		3.75	2.7	11.6	21.58 C	6.60	0.27	0.737
		4	2.8	9.46	21.59 C	6.60	0.30	0.739
	Apr-10[a]	0.2	0.1	148	23.3	5.88	2.18	0.299
		0.35	0.2	98.2	23.23	5.92	1.25	0.299
		0.45	0.3	76.2	23.04	5.94	1.23	0.301
		0.55	0.4	53.9	23.42	5.91	1.26	0.305
		0.65	0.5	40.1	23.41	5.92	1.31	0.312
		0.75	0.5	30.5	23.04	5.93	1.35	0.321
		0.85	0.6	22.2	22.79	5.93	1.36	0.331
		0.95	0.7	18.4	23.07	5.96	1.34	0.340
		1.05	0.7	14.9	23	5.97	1.32	0.347
		1.15	0.8	12.1	22.82	5.97	1.29	0.355
	Apr-10[a]	1.25	0.9	7.23	22.73	5.97	1.24	0.361
		1.4	1.0	6.27	22.66	5.97	1.21	0.368
		1.6	1.1	5.89	22.83	6.00	1.18	0.373
		1.8	1.3	5.04	22.41	6.03	1.14	0.378
		2	1.4	4.16	21.89	5.96	1.10	0.381
		2.2	1.5	4.51	21.79	5.96	1.08	0.382
		2.4	1.7	4.21	21.61	5.95	1.06	0.384

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2.6	1.8	4.96	21.63	5.95	1.05	0.384
	Oct-10	0	0.0	79.0	22.84	5.96	2.36	0.183
		1	0.7	6.10	22.44	6.16	0.87	0.284
		1.9	1.3	3.55	22.04	6.19	0.66	0.336
		2	1.3	3.68	22.05	6.20	0.65	0.338
		2.1	1.4	3.09	21.98	6.20	0.66	0.338
	Apr-11[a]	0.25	0.2	45.3	20.96	4.93	3.99	0.265
		0.75	0.5	72.2	23.84	5.47	6.00	0.032
		2	1.3	179	23.47	5.64	6.15	0.031
		3	1.9	185	22.61	5.82	5.76	0.052
		3.75	2.4	188	22.9	6.01	5.26	0.064
		4.25	2.7	155	22.93	6.19	5.00	0.082
		4.65	2.9	125	22.66	6.16	4.85	0.092
		5.05	3.2	114	22.19	6.17	4.64	0.102
		5.35	3.4	72.8	21.69	6.24	4.46	0.119
		5.65	3.6	61.5	21.3	6.30	3.87	0.141
		5.95	3.8	52.3	21.1	6.41	3.43	0.162
		6.25	4.0	35	21.25	6.55	3.23	0.178
		6.55	4.1	22.5	21.06	6.33	3.19	0.191
		6.7	4.2	17	21.18	6.31	3.17	0.199
		6.85	4.3	13.1	21.24	6.29	3.21	0.203
		7	4.4	9.62	21.29	6.25	3.23	0.208
	Oct-11	0.15	0.1	26.40	21.34	5.93	0.75	0.252
		0.25	0.2	26.93	21.51	5.88	0.76	0.253
		0.4	0.3	21.8	21.30	5.87	0.49	0.256
		1	0.6	17.1	21.25	5.85	0.55	0.260
		1.2	0.8	16.3	21.38	5.86	0.60	0.262
		1.3	0.8	11.73	21.36	5.85	0.63	0.266
		1.5	1.0	9.85	21.37	5.86	0.61	0.269
		2	1.3	7.84	21.29	5.87	0.61	0.273
		2.4	1.6	9.73	21.30	5.87	0.60	0.278
		2.6	1.7	6.81	21.33	5.88	0.60	0.282
		2.75	1.8	4.77	21.41	5.89	0.65	0.285
		3	1.9	4.64	21.48	5.89	0.69	0.288
		3.25	2.1	4.62	21.37	5.90	0.78	0.291
		3.5	2.3	4.65	21.42	5.91	0.83	0.293
		3.75	2.4	4.70	21.44	5.91	0.90	0.295
		4	2.6	4.56	21.52	5.93	0.94	0.297
		4.25	2.8	4.60	21.44	5.93	0.96	0.298
		4.5	2.9	4.60	21.37	5.94	0.97	0.300
		4.75	3.1	4.30	21.37	5.93	0.96	0.301
	Apr-12	0.1	0.1	30	19.01	5.78	1.28	0.260
		0.25	0.2	28.2	19.3	5.76	1.09	0.255
		0.6	0.4	25.8	19.4	5.78	1.25	0.255
		0.8	0.5	53.5	19.83	5.74	1.09	0.255
		1.1	0.7	41	20.14	5.73	0.99	0.256
		1.25	0.8	18.8	20.07	5.89	1.07	0.258
		1.4	0.9	15.3	20.22	5.81	1.16	0.258
		1.6	1.0	9.62	20.35	5.95	1.34	0.257
		1.75	1.1	9.42	20.37	5.82	1.36	0.256
		1.9	1.2	8.65	20.6	5.87	1.27	0.255
		2	1.2	8.42	20.8	5.82	1.13	0.254
		2.25	1.4	6.12	20.99	5.81	1.02	0.253
		2.5	1.5	6.74	21.01	5.83	0.93	0.253
		2.8	1.7	7.59	21.12	5.75	0.76	0.252
		3.1	1.9	8.25	21.19	5.78	0.78	0.251
		3.3	2.0	8.65	21.09	5.71	0.71	0.249
		3.8	2.3	7.31	21.07	5.66	0.60	0.249
		4.4	2.7	7.26	21.15	5.71	0.54	0.249
		4.8	2.9	6.35	21.21	5.72	0.55	0.250
		5	3.1	4.21	21.23	5.74	0.55	0.250
	Oct-12	0.13	0.1	--	23.18	6.02	3.81	0.268
		0.53	0.4	17.6	22.59	5.75	1.92	0.268
		1.59	1.3	--	22.61	5.69	1.21	0.264
		2.38	1.9	18.1	22.62	5.84	0.77	0.285
		2.91	2.4	--	22.47	5.83	1.85	0.309
		3.43	2.8	3.84	22.29	5.82	1.83	0.341
		3.96	3.2	--	22.6	5.78	1.87	0.338
		4.23	3.4	3.91	22.64	5.88	1.81	0.339
	Apr-13	0.00	0.0	68.10	22.47	4.46	2.41	0.276
		0.20	0.1	30.10	21.19	4.59	0.86	0.268
		0.80	0.5	17.00	21.21	4.99	1.30	0.270
		1.50	0.9	5.50	21.18	5.29	1.39	0.265
		2.00	1.2	4.61	21.24	5.42	1.34	0.263
		2.50	1.5	3.70	21.26	5.41	1.27	0.265
		3.00	1.8	2.53	21.22	5.40	1.10	0.269
		4.00	2.5	2.30	21.12	5.42	0.90	0.271
		5.00	3.1	2.25	21.32	5.55	0.88	0.274
MW-11	Dec-01	2	0.7	999	16.3 C	6.90	1.31	0.596

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		6	2.0	813	17.5 C	6.85	1.29	0.553
		10	3.3	150	17.3 C	6.78	1.04	0.513
		15	5.0	134	17.4 C	6.76	1.15	0.507
	May-02	2	0.7	> 1000	19 C	5.41	0.97	0.332
		4	1.3	690	18.3 C	5.47	1.14	0.273
		6	2.0	512	18.3 C	5.83	1.20	0.221
	Sep-03[b]	3	1.0	144	18.0 C	6.18	0.42	0.259
		5	1.7	82.7	18.1 C	6.19	0.34	0.258
		7	2.3	66.6	18.1 C	6.36	0.34	0.257
		12[c]	4.0	43.7	18.1 C	6.52	0.49	0.255
		20[c]	6.7	242	18.1 C	6.54	0.33	0.240
	May-04	2	1.0	222	20.92 C	6.70	0.81	0.322
		3	1.5	146	21.45 C	6.48	0.98	0.307
		4	1.9	73.1	22.24 C	6.44	0.60	0.299
		5	2.4	29	22.44 C	6.43	0.51	0.309
		5.5	2.7	23.9	22.57 C	6.37	0.41	0.307
		6	2.9	14	23.44 C	6.35	0.51	0.304
		6.5	3.2	10.6	22.84 C	6.39	0.38	0.300
		7	3.4	9	22.61 C	6.38	0.35	0.302
		7.5	3.6	8.7	22.82 C	6.35	0.35	0.302
	Jul-06	8	2.7	26.1	18.2 C	7.56	0.51	0.295
		9	3.0	21.3	18.18 C	7.55	0.38	0.295
		10	3.3	10.1	18.14 C	7.52	0.27	0.290
	Apr-07	2	1.0	551	18.51 C	6.67	0.75	0.309
		6	3.1	71.7	18.40 C	6.48	0.36	0.285
		7	3.6	51.1	18.41 C	6.49	0.30	0.285
		8	4.1	20.5	18.31 C	6.47	0.24	0.284
		11	5.6	56.3	18.27 C	6.47	1.47	0.282
		11.5	5.9	14.7	18.28 C	6.46	0.33	0.282
		12	6.2	8.92	18.26 C	6.45	0.30	0.282
	Oct-07	0.2	0.2	751	17.78 C	7.07	2.20	0.426
		0.6	0.6	540	18.23 C	6.93	0.39	0.423
		1.3	1.3	213	18.5 C	6.89	0.29	0.424
		1.6	1.6	107	18.58 C	6.87	0.25	0.423
		2.1	2.1	45	18.61 C	6.86	0.24	0.420
		2.6	2.7	29.7	18.59 C	6.85	0.19	0.418
		3.2	3.3	24.2	18.59 C	6.84	0.19	0.417
	Apr-08	1	0.4	298	18.65 C	6.46	1.43	0.210
		2.5	1.1	74.5	18.14 C	6.39	0.81	0.213
		3.5	1.5	70.8	18.26 C	6.45	0.55	0.221
		4.25	1.8	72.2	18.15 C	6.33	0.45	0.231
		5	2.2	24.7	18.18 C	6.29	0.43	0.219
		5.5	2.4	22.1	18.23 C	6.27	0.35	0.219
		6	2.6	20.3	18.23 C	6.30	0.36	0.228
		6.5	2.8	13.3	18.31 C	6.30	0.28	0.226
		6.75	2.9	12	18.27 C	6.27	0.28	0.225
		7	3.0	9.15	18.32 C	6.28	0.26	0.224
	Oct-08	0.25	0.3	above range	17.63 C	8.19	0.61	0.344
		0.5	0.6	above range	18.00 C	8.32	0.66	0.419
		1	1.3	332	17.95 C	8.29	0.83	0.445
		1.5	1.9	393	18.01 C	8.23	0.88	0.452
		2	2.5	174	18.01 C	8.18	0.88	0.460
		3	3.8	333	17.98 C	8.12	0.79	0.460
		4	5.1	45.7	18.01 C	8.08	0.68	0.458
		4.5	5.7	21.3	18.05 C	8.03	0.60	0.456
		5	6.3	20.1	18.12 C	7.98	0.56	0.452
		5.25	6.6	22.9	18.01 C	7.95	0.51	0.455
		5.5	7.0	352	17.92 C	7.69	0.99	0.452
		5.75	7.3	248	17.97 C	7.75	0.57	0.466
	Apr-09	1.5	0.7	195	17.57 C	6.19	3.25	0.181
		3	1.4	114	17.60 C	6.19	1.66	0.214
		4.5	2.2	91.3	17.77 C	6.18	1.18	0.214
		6	2.9	75.5	17.76 C	6.18	0.94	0.216
		7	3.3	40.3	17.78 C	6.18	0.82	0.220
		7.5	3.6	30	17.79 C	6.18	0.78	0.220
		8	3.8	26.7	17.82 C	6.19	0.74	0.224
		8.5	4.1	19	17.84 C	6.18	0.72	0.220
		9	4.3	14.8	17.93 C	6.18	0.67	0.219
		9.25	4.4	14.6	17.99 C	6.19	0.69	0.219
		9.5	4.5	31.2	18.18 C	6.13	0.98	0.202
		10	4.8	19	17.89 C	6.17	0.92	0.219
		10.5	5.0	13.3	17.84 C	6.16	0.79	0.216
		11	5.3	9.8	17.83 C	6.16	0.69	0.219
	Oct-09	0.5	0.3	498	17.47 C	6.37	3.22	0.413
		1.5	0.8	161.4	17.57 C	6.17	0.59	0.388
		2.5	1.3	85.4	17.59 C	6.17	0.46	0.366
		3.25	1.7	52.2	17.62 C	6.21	0.40	0.350
		4	2.1	36.1	17.65 C	6.22	0.34	0.352
		4.4	2.3	21.2	17.63 C	6.25	0.31	0.336

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		4.75	2.5	17.74	17.62 C	6.26	0.57	0.333
		5.25	2.8	14.63	17.75 C	6.34	0.33	0.354
		5.75	3.0	11.65	17.86 C	6.43	0.26	0.348
		6.1	3.2	10.78	17.89 C	6.43	0.28	0.347
		6.25	3.3	9.01	17.88 C	6.43	0.28	0.347
MW-11	Apr-10[a]	1	0.3	above range	17.22	6.22	1.85	0.311
		2.75	0.9	316	17.29	6.21	1.11	0.264
		3.75	1.2	107.8	17.35	6.23	0.78	0.267
		5.25	1.7	76.7	17.39	6.25	0.63	0.270
		6.25	2.0	48.5	17.42	6.25	0.55	0.271
		7.25	2.4	26.2	17.44	6.25	0.49	0.273
		9.5	3.1	16.2	17.46	6.25	0.41	0.274
		11.25	3.7	42.4	17.45	6.26	0.34	0.278
		12.5	4.1	57.3	17.51	6.27	0.27	0.280
		14.25	4.6	27	17.5	6.26	0.27	0.279
		15.25	5.0	16.8	17.57	6.26	0.28	0.277
		17	5.5	21.5	17.58	6.25	0.29	0.276
		17.5	5.7	14.1	17.6	6.25	0.30	0.276
		18	5.9	24.3	17.58	6.25	0.32	0.277
	Oct-10	0.5	0.4	264	17.39	6.72	0.28	0.492
		1.5	1.1	127	17.46	6.73	0.17	0.487
		2.75	2.0	8.93	17.47	6.69	0.20	0.470
		4	2.9	8.8	17.44	6.67	0.36	0.464
		4.75	3.5	4.97	17.68	6.67	0.30	0.466
	Apr-11	3	1.3	246	17.38	6.44	3.46	0.294
		5	2.2	145	17.39	6.41	3.23	0.289
		6	2.6	240	17.43	6.43	3.02	0.301
		6.5	2.8	103	17.38	6.45	2.81	0.305
		7	3.0	144	17.23	6.51	2.69	0.365
		8	3.5	187	18.12	6.37	2.67	0.285
		10	4.3	42.3	17.92	6.37	2.63	0.288
		12	5.2	26.5	17.75	6.37	2.80	0.289
		15	6.5	19.2	17.71	6.37	2.64	0.288
		17	7.4	12.1	17.74	6.39	2.61	0.295
		19	8.3	8.72	17.68	6.39	2.58	0.295
	Oct-11	0.15	0.2	695	17.41	6.59	1.20	0.500
		0.5	0.7	653	17.75	6.71	0.49	0.515
		1	1.4	767	17.62	6.68	0.35	0.525
		1.5	2.1	688	17.61	6.64	0.33	0.516
		2	2.8	213	18.23	6.70	0.32	0.516
		2.5	3.5	80.7	18.15	6.73	0.29	0.528
	Apr-12	1.25	1.0	107.7	17.39	6.67	0.77	0.454
		2.25	1.8	44.7	17.53	6.67	0.85	0.453
		3.75	3.0	28.8	17.58	6.64	0.67	0.451
		4.25	3.5	12.9	17.58	6.62	0.56	0.448
		5	4.1	8.22	17.6	6.60	0.49	0.443
		6	4.9	3.29	17.59	6.60	0.41	0.440
		7	5.7	3.1	17.63	6.59	0.37	0.437
	Oct-12	0.09	1.0	215	17.98	6.46	5.44	0.508
		0.15	1.7	215	17.76	6.60	4.43	0.515
		0.25	2.8	231	17.66	6.73	4.62	0.518
		0.35	3.9	110	17.74	6.71	4.89	0.517
		0.45	5.0	68.2	17.67	6.76	4.65	0.518
		0.5	5.6	118	17.76	6.73	3.88	0.516
	13-Apr	1.25	13.89	176	18.01	6.29	0.87	0.414
		2.5	27.78	76.1	18.02	5.96	0.47	0.362
		3	33.33	37.8	18.08	5.9	0.41	0.334
		4	44.44	42.1	17.98	5.86	0.41	0.319
		4.75	52.78	32.1	18.00	5.87	0.39	0.311
		5	55.56	23.6	18.07	5.88	0.35	0.315
		5.5	61.11	22.3	18.20	5.93	0.3	0.327
		6	66.67	23.4	18.10	5.92	0.3	0.314
		6.5	72.22	19.2	18.11	5.93	0.28	0.311
		7	77.78	14.6	18.04	5.91	0.26	0.304
		7.5	83.33	9.68	18.01	5.92	0.25	0.304
	13-Oct	1	5.99	205	20.12	6.64	0.11	437
		2	11.98	13.9	20.14	6.49	0.10	368
		3.5	20.96	4.0	19.26	6.43	0.05	377
		5.5	32.93	2.4	19.40	6.43	0.02	373
		8	47.90	0	19.53	6.43	0.01	374
	Apr-14	2.50	14.97	9.81	17.41	6.92	2.35	0.33
		4.00	23.95	7.89	17.47	6.47	1.07	0.34
		6.00	35.93	6.89	17.45	6.44	1.06	0.34
		7.50	44.91	4.19	17.38	6.45	0.67	0.34
		8.50	50.90	2.17	17.18	6.45	0.65	0.34
		10.00	59.9	3.21	17.23	6.45	0.68	0.336
MW-12	Dec-01	3	2.1	999	16.4 C	7.13	1.64	0.504
		6	4.3	845	16.3 C	7.18	1.59	0.508
		9	6.4	745	16.4 C	7.16	1.83	0.501

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
	May-02	not sampled due to insufficient water in the well						
	Sep-03	2	1.4	97.4	18.5 C	6.73	0.59	0.332
		3	2.1	36.9	18.5 C	6.69	0.37	0.331
		7	5.0	12.1	18.6 C	6.77	0.30	0.335
		8	5.7	8.8	18.6 C	6.80	0.29	0.336
	May-04	0.25	0.2	19	20.54 C	6.34	1.99	0.333
		0.5	0.5	14.1	20.81 C	6.25	1.18	0.328
		0.75	0.7	12.3	22.01 C	6.19	1.07	0.320
		1	0.9	9.5	23.58 C	6.24	0.98	0.326
		1.25	1.1	7.9	24.96 C	6.22	0.92	0.328
	Jul-06	1	0.9	90.1	21.51 C	7.30	0.27	0.357
		2	1.8	1134	22.72 C	7.15	0.34	0.359
		3.5	3.2	335	25.21 C	7.07	0.21	0.360
		5.5	5.0	47.3	19.86 C	7.20	0.10	0.114
		7	6.4	44.2	25.55 C	7.14	0.24	0.363
		9	8.3	39.1	19.34 C	7.20	0.07	0.369
		11	10.1	28.6	19.43 C	7.19	0.06	0.373
		12	11.0	27	19.50 C	7.18	0.07	0.374
	Apr-07	0.5	0.7	11.5	18.34 C	6.75	0.87	0.445
		1.2	1.6	7.5	18.34 C	6.77	0.37	0.451
		1.8	2.4	5.3	18.33 C	6.73	0.27	0.454
		2.5	3.3	3.2	18.30 C	6.77	0.26	0.455
	May-07			27.5	24.1 C	6.85	3.57	0.478
				25.5	22.4 C	6.91	0.54	0.474
				22.7	21.5 C	6.97	0.14	0.475
				14.4	21.5 C	7.02	0.07	0.479
				11.6	21.5 C	7.03	0.02	0.482
				9.3	21.4 C	7.04	0.01	0.485
	Oct-07[d]	0	0.0	230	19.6 C	6.48	4.20	0.418
		0.1	0.4	137	19.95 C	6.29	1.90	0.409
		0.15	0.6	99.7	20.54 C	6.26	1.69	0.405
		0.25	0.9	17.1	19.61 C	6.26	2.18	0.409
		0.4	1.5	30.4	19.94 C	6.24	2.57	0.410
		0.5	1.9	25.6	20.14 C	6.18	4.38	0.406
		0.6	2.2	25.4	20.08 C	6.17	4.58	0.402
		0.75	2.8	13.9	20.05 C	6.15	4.93	0.397
		0.8	3.0	13.9	20.18 C	6.14	4.92	0.393
		0.9	3.3	14.8	20.41 C	6.13	5.07	0.392
		1	3.7	15.9	20.35 C	6.11	5.55	0.390
		1	3.7	13.5	20.36 C	6.11	5.40	0.389
		1.1	4.1	16.1	20.37 C	6.10	5.40	0.386
		1.5	5.6	10.02	20.01 C	6.12	3.30	0.401
		1.6	5.9	7.32	20.23 C	6.12	2.83	0.406
		1.6	5.9	5.9	20.24 C	6.14	1.58	0.410
		1.7	6.3	5.65	20.8 C	6.15	1.03	0.409
		1.7	6.3	5.32	20.9 C	6.16	1.00	0.409
		1.8	6.7	5.37	21.5 C	6.16	0.96	0.406
	Apr-08	0	0.0	17.1	21.46 C	6.34	1.67	0.381
		0.15	0.3	13.7	20.63 C	6.26	0.88	0.380
		0.2	0.4	8.81	19.79 C	6.21	0.54	0.383
		0.3	0.6	6.76	19.37 C	6.33	0.85	0.388
		0.5	1.0	5.26	19.36 C	6.29	0.60	0.390
		0.7	1.3	4.22	19.36 C	6.30	0.44	0.393
	Oct-08	Used a bailer, not enough water in the bailer for water quality or to collect sample.						
	Apr-09	0.35	1.0	129	19.05 C	6.84	3.62	0.418
		0.7	2.0	69.7	18.78 C	6.53	2.76	0.427
		0.87	2.5	68.4	19.00 C	6.45	3.74	0.427
		1.04	3.0	65.8	18.86 C	6.45	4.47	0.428
		1.18	3.4	58.6	19.03 C	6.39	3.72	0.429
		1.39	4.0	61	18.86 C	6.39	4.47	0.431
		1.56	4.5	29	19.03 C	6.42	3.40	0.434
		1.74	5.0	66.5	18.71 C	6.43	2.92	0.429
		1.98	5.7	60.4	18.68 C	6.39	2.45	0.433
	Oct-09	Used a bailer due to insufficient water in well for pump						
		0.4	0.5		19.11 C	7.05	1.02	0.411
		0.8	1.0	203	19.59 C	6.62	1.42	0.387
		1.2	1.6		20.58 C	6.50	0.74	0.388
		1.6	2.1	112.9	19.66 C	6.46	1.40	0.384
		2	2.6		19.93 C	6.48	1.13	0.383
		2.4	3.1	117.4	20.26 C	6.51	1.32	0.384
	Apr-10	0.2	0.1	356	19	6.23	0.76	0.428
		0.3	0.2	410	18.69	6.30	0.46	0.425
		0.4	0.2	395	18.45	6.34	0.64	0.424
		0.6	0.4	245	18.25	6.37	0.59	0.428
		0.8	0.5	164	18.22	6.41	0.53	0.437
		1.1	0.7	119	18.2	6.36	0.49	0.448
		1.35	0.8	76.3	18.29	6.37	0.48	0.455
		1.6	1.0	57.5	18.46	6.32	0.46	0.460
		1.8	1.1	45.2	18.46	6.37	0.42	0.464

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2	1.2	31.3	18.55	6.38	0.40	0.467
		2.2	1.4	23.7	18.58	6.40	0.39	0.469
		2.4	1.5	16.6	18.52	6.41	0.38	0.472
		2.6	1.6	18.2	18.48	6.41	0.37	0.474
		2.8	1.7	14.2	18.54	6.40	0.38	0.475
		3	1.9	12.6	18.42	6.41	0.38	0.475
		3.2	2.0	8.72	18.39	6.38	0.38	0.475
	Oct-10	0	0.0	ADL	20.47	6.07	1.58	0.363
		1.8	1.9	50.2	19.30	6.31	0.44	0.363
		2.4	2.6	13.8	19.19	6.42	0.40	0.364
		2.6	2.8	10.2	19.15	6.46	0.38	0.365
		2.8	3.0	9.60	19.11	6.49	0.35	0.366
	Apr-11[a]	0.25	0.3	ADL	18.36	6.26	5.06	0.370
		0.45	0.6	205	17.97	6.09	4.98	0.367
		0.65	0.8	36.2	18.41	6.49	5.05	0.368
		0.85	1.1	22.8	18.42	6.51	4.86	0.368
		1.05	1.3	11.3	18.76	6.54	4.63	0.369
		1.25	1.6	11.1	18.90	6.56	4.45	0.370
		1.45	1.8	8.88	19.00	6.58	4.33	0.370
MW-12	Apr-11[a]	1.65	2.1	5.65	18.99	6.59	4.37	0.371
		1.85	2.3	5.24	18.88	6.60	4.31	0.372
		2.05	2.6	5.24	18.59	6.59	4.23	0.372
		2.25	2.8	4.61	18.67	6.59	4.11	0.373
		2.35	2.9	4.58	18.87	6.60	4.03	0.373
		2.45	3.1	3.53	19.07	6.61	3.91	0.374
	Oct-11	Not sampled due to access restrictions						
	Apr-12	0.1	1	>1000	19.9	6.03	1.02	0.474
		0.2	2	>1000	18.78	6.41	0.88	0.415
		0.3	3	>1000	18.53	6.20	1.20	0.409
		0.4	4	>1000	18.36	5.96	1.24	0.410
		0.5	5	>1000	18.96	6.38	1.02	0.406
	Oct-12	Not sampled due to insufficient water						
	13-Apr	0	0	56.5	18.92	6.16	1.53	0.456
		0.2	0.3	40.3	18.73	5.67	0.57	0.459
		0.3	0.4	8.17	18.66	6.18	0.89	0.454
		0.5	0.6	8.12	20.46	6.45	0.43	0.454
		0.7	0.9	5.21	18.77	6.05	0.34	0.455
		1	1.3	3.75	19.07	6.33	0.35	0.449
		1.2	1.5	3.01	19.20	6.38	0.34	0.447
		1.5	1.9	5.47	19.20	6.37	0.31	0.444
	13-Oct	0	0	0	19.48	6.58	1.71	0.328
		0.4	0.5	35.2	18.72	6.64	0.56	0.323
		0.75	0.9	9.71	18.57	6.65	0.47	0.322
		1	1.3	5.48	18.69	6.66	0.41	0.322
		1.3	1.6	6.12	18.54	6.66	0.33	0.323
		1.45	1.8	3.55	18.63	6.66	0.31	0.323
		1.6	2.0	3.01	18.56	6.66	0.28	0.323
	14-Apr	0.5	0.6	91.53	16.76	6.28	0.39	0.375
		1.0	1.3	58.1	16.59	6.39	0.40	0.376
		1.5	1.9	28.0	16.56	6.42	0.44	0.377
		2.0	2.5	17.8	16.69	6.45	0.43	0.377
		2.5	3.1	6.22	16.63	6.48	0.37	0.373
		3.0	3.8	5.23	16.73	6.50	0.34	0.370
		3.5	4.4	3.32	16.71	6.50	0.32	0.367
		4.0	5.0	2.50	16.72	6.52	0.30	0.363
		4.5	5.6	2.15	16.62	6.52	0.29	0.361
MW-13a	Dec-01	2	2	953	15.7 C	6.42	7.04	0.514
		4	4	41	16.7 C	6.26	8.76	0.501
	May-02	1	1	> 1000	19.6 C	6.04	3.26	0.191
		2	2	534	19.8 C	6.04	3.29	0.190
		3	3	410	19.8 C	6.05	3.38	0.185
	May-02	1	1	999	19.6 C	6.08	3.27	0.187
		2	2	778	19.9 C	6.05	3.27	0.188
		3	3	234	19.8 C	6.07	3.38	0.183
	Sep-03	not sampled due to well damage						
	May-04	Replaced with MW-13aR						
MW-13aR	May-04	0.12	0.08	84.9	20.07 C	6.27	4.81	0.230
		0.24	0.17	65.7	20.09 C	6.23	4.32	0.229
		0.36	0.25	57.8	20.65 C	6.20	4.33	0.228
		0.48	0.34	47	21.29 C	6.19	4.58	0.230
		0.6	0.42	35.9	20.38 C	6.25	4.56	0.234
		0.72	0.51	33	19.75 C	6.24	4.48	0.230
		0.84	0.59	44.9	19.62 C	6.21	4.13	0.232

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-13aR		0.96	0.68	27.8	21.04 C	6.18	3.89	0.229
		1	0.70	25.9	23.14 C	6.19	3.77	0.227
		1.12	0.79	25.2	23.4 C	6.21	3.92	0.232
		1.24	0.87	23.5	24.01 C	6.22	3.93	0.233
		1.36	0.96	21	24.83 C	6.24	3.82	0.233
		1.48	1.04	22.5	24.94 C	6.21	3.83	0.023
		1.6	1.13	27.7	24.88 C	6.20	3.86	0.234
		1.7	1.20	27.3	24.73 C	6.20	3.87	0.233
		1.8	1.27	25.9	24.6 C	6.19	3.89	0.231
		1.9	1.34	23.6	24.56 C	6.19	3.85	0.230
		1.95	1.37	21.9	24.52 C	6.18	3.93	0.228
		2	1.41	20.3	24.4 C	6.17	3.88	0.227
		2.12	1.49	19.9	24.36 C	6.17	3.85	0.225
		2.24	1.58	19.3	24.73 C	6.17	4.40	0.213
		2.36	1.66	16.2	24.77 C	6.17	4.27	0.214
		2.48	1.75	15.6	24.74 C	6.16	4.23	0.215
		2.6	1.83	15.7	24.61 C	6.17	4.14	0.216
		2.72	1.92	15.7	24.62 C	6.12	4.20	0.213
		2.84	2.00	15.8	24.59 C	6.15	4.24	0.217
		3	2.11	15.5	24.33 C	6.13	4.25	0.213
		3.12	2.20	14.5	24.41 C	6.13	4.21	0.213
		3.24	2.28	13.7	24.66 C	6.14	4.16	0.213
		3.36	2.37	11.6	25.05 C	6.13	4.15	0.212
		3.48	2.45	11.6	25.3 C	6.13	4.18	0.211
		3.6	2.54	15.6	25.39 C	6.12	4.16	0.208
		3.72	2.62	14	25.21 C	6.12	4.36	0.209
		3.84	2.70	13.6	25.36 C	6.12	4.21	0.210
		3.96	2.79	13.3	25.34 C	6.13	4.23	0.206
		4.08	2.87	13	25.33 C	6.11	4.21	0.208
		4.2	2.96	9.8	25.09 C	6.19	4.56	0.201
		4.25	2.99	9.7	25.06 C	6.18	4.60	0.201
	Jul-06	10	7.04	161	18.22 C	5.55	0.93	0.084
		12	8.45	59	18.27 C	5.64	0.90	0.084
		15	10.56	100	19.01 C	5.96	0.94	0.084
		25	17.61	80	18.47 C	5.75	0.80	0.084
		26	18.31	10.2	18.47 C	5.76	0.79	0.084
	Apr-07	2.5	1.87	> 1000	17.80 C	5.24	6.62	0.125
		5	3.73	367	17.84 C	5.23	6.61	0.124
		6	4.48	339	18.14 C	5.24	6.56	0.123
		6.5	4.85	161.7	17.86 C	5.27	6.87	0.124
		12	8.96	327	18.09 C	5.24	6.67	0.123
		15	11.19	181	17.94 C	5.26	6.63	0.124
		18	13.43	134.2	18.01 C	5.24	6.59	0.124
		20	14.93	98.9	17.99 C	5.23	6.69	0.123
		22	16.42	41.7	17.82 C	5.27	6.52	0.124
		25	18.66	20.9	17.79 C	5.24	6.42	0.124
		25.5	19.03	12.2	17.81 C	5.24	6.40	0.124
		30	22.39	8.6	17.81 C	5.23	6.38	0.124
	Oct-07	0.6	0.80	above range	18.38 C	5.42	5.29	0.120
		1.2	1.60	above range	18.08 C	5.45	5.57	0.122
		1.7	2.27	680	18.56 C	5.48	5.82	0.121
		2.1	2.80	274	18.29 C	5.46	5.87	0.119
		2.4	3.20	720	19.31 C	5.47	5.42	0.122
		3.2	4.27	367	18.36 C	5.48	5.91	0.118
		3.5	4.67	724	18.41 C	5.49	5.53	0.120
		3.9	5.20	294	19.43 C	5.53	5.63	0.121
		4.3	5.73	375	18.74 C	5.56	5.72	0.119
		5	6.67	259	18.76 C	5.64	5.69	0.113
	Apr-08[a]	0.1	0.14	above range	19.74 C	6.57	5.44	0.244
		0.3	0.41	above range	21.03 C	6.92	0.22	0.290
		0.4	0.54	above range	21.34 C	7.02	1.62	0.302
		0.75	1.01	above range	19.55 C	7.00	2.71	0.270
		1.25	1.69	above range	20.48 C	6.99	3.39	0.250
		1.75	2.36	395	20.29 C	6.98	3.17	0.247
		2.25	3.04	299	18.93 C	6.99	4.97	0.244
		2.75	3.72	259	18.33 C	7.01	3.96	0.242
		3.25	4.39	above range	20.49 C	7.03	1.54	0.241
		3.75	5.07	above range	21.37 C	7.07	2.12	0.241
		4.25	5.74	242	20.66 C	7.08	1.56	0.236
		4.4	5.95	285	20.53 C	7.08	1.44	0.234
		4.6	6.22	524	19.2 C	7.08	0.78	0.231
		4.8	6.49	365	19.71 C	7.07	0.57	0.233
		4.9	6.62	315	18.34 C	7.07	0.80	0.233
		5	6.76	295	18.51 C	7.07	0.76	0.233
	Oct-08	0.01	0.02	322	16.45 C	5.81	7.87	0.146
		0.05	0.09	342	16.45 C	5.54	7.49	0.135
		0.1	0.17	395	16.51 C	5.51	7.24	0.132
		0.2	0.34	332	16.61 C	5.42	7.17	0.128
		0.25	0.43	239	16.58 C	5.38	6.97	0.126

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-13aR		0.35	0.60	196	16.55 C	5.35	6.89	0.125
		0.4	0.69	164	16.50 C	5.33	6.97	0.124
		0.45	0.78	113	16.47 C	5.30	6.88	0.123
		0.5	0.86	55.1	16.46 C	5.30	6.82	0.122
		0.55	0.95	42.8	16.43 C	5.28	6.70	0.121
		0.6	1.03	26.8	16.40 C	5.25	6.91	0.120
		0.65	1.12	17.7	16.39 C	5.25	6.65	0.120
		0.75	1.29	16.3	16.37 C	5.24	6.58	0.120
		0.8	1.38	14.3	16.37 C	5.23	6.49	0.120
		0.85	1.47	12.29	16.39 C	5.22	6.45	0.119
		0.95	1.64	8.63	16.41 C	5.22	6.41	0.119
	Apr-09[a]	0	0.00	602	16.09 C	5.70	7.57	0.142
		0.05	0.10	614	16.23 C	5.77	6.95	0.144
		0.1	0.21	591	16.31 C	5.78	6.85	0.143
		0.15	0.31	493	16.47 C	5.78	6.84	0.143
		0.25	0.52	490	16.51 C	5.75	6.67	0.141
		0.3	0.63	231	16.50 C	5.73	6.70	0.136
		0.4	0.83	116	16.63 C	5.69	6.71	0.133
		0.45	0.94	60.7	16.51 C	5.65	6.77	0.131
		0.5	1.04	31.8	16.51 C	5.61	6.83	0.128
		0.55	1.15	22.1	16.52 C	5.59	6.91	0.128
		0.65	1.35	25.1	16.59 C	5.60	6.78	0.124
		0.7	1.46	17.7	16.53 C	5.56	6.78	0.121
		0.75	1.56	14.1	16.48 C	5.56	6.76	0.120
		0.8	1.67	13.9	16.49 C	5.55	6.79	0.121
		0.8	1.67	12	16.69 C	5.56	6.66	0.121
		0.8	1.67	9.73	16.68 C	5.56	6.69	0.120
	Oct-09[a]	0.05	0.05	251	18.09 C	5.52	6.04	0.128
		0.3	0.33	245	17.48 C	5.37	6.34	0.123
		0.75	0.82	252	17.3 C	5.35	6.17	0.121
		1.05	1.14	176	17.45 C	5.34	6.25	0.121
		1.4	1.52	43.6	17.15 C	5.30	6.16	0.120
		1.9	2.07	31.2	17.15 C	5.30	6.14	0.120
		2.15	2.34	28.6	17.21 C	5.32	6.06	0.120
		2.4	2.61	17.4	17.18 C	5.31	6.07	0.120
		2.6	2.83	13.7	17.17 C	5.31	6.07	0.120
		2.95	3.21	10.8	17.17 C	5.31	6.06	0.119
		3.15	3.42	9.76	17.17 C	5.31	6.04	0.120
	Apr-10	0.75	0.37	above range	17.74	4.59	6.57	0.244
		2	0.99	249	17.97	4.85	6.40	0.230
		3.25	1.61	53.7	17.99	4.93	6.22	0.226
		4.5	2.23	20.8	17.98	4.98	6.07	0.222
	Apr-10	6	2.97	18.5	18.04	5.02	5.98	0.220
		7.25	3.59	44.2	17.88	5.01	5.93	0.215
		9.75	4.83	64.2	17.75	5.02	5.86	0.217
		11	5.45	55.5	17.69	5.00	5.74	0.220
		13	6.44	121	17.64	5.06	5.67	0.215
		14	6.93	25.3	18.03	5.11	5.63	0.217
		14.5	7.18	17.9	17.96	5.11	5.66	0.213
		15.5	7.67	10.08	17.94	5.09	5.65	0.214
	Oct-10	0.5	0.3	424	17.84	5.19	6.89	0.169
		6.25	3.6	43.6	18.29	5.23	6.95	0.159
		7.5	4.3	29.2	18.41	5.25	6.86	0.158
		8	4.5	22.4	18.47	5.28	6.69	0.158
		8.5	4.8	27.3	18.16	5.26	6.88	0.158
	Apr-11[a]	0.5	0.4	ADL	17.79	5.61	8.53	0.135
		2.5	2.0	705	17.96	5.69	8.79	0.137
		5	4.1	278	17.84	5.75	8.78	0.136
		6.5	5.3	170	18.18	5.74	8.74	0.135
		8.5	6.9	174	18.15	5.76	8.78	0.135
		9.5	7.7	160	18.22	5.76	8.78	0.137
		10	8.1	161	18.2	5.68	8.64	0.136
		11.5	9.3	61.7	18.29	5.63	8.70	0.138
		12	9.8	106	18.99	5.56	9.01	0.138
		12.5	10.2	273	18.58	5.60	8.93	0.137
	Oct-11	Not sampled due to access restrictions						
	Apr-12	0.1	0.2	468	16.9	5.04	6.25	0.165
		0.25	0.5	889	16.83	5.27	5.95	0.153
		0.3	0.6	675	16.84	5.37	5.95	0.147
		0.5	1.0	104	16.89	5.37	6.03	0.141
		0.6	1.2	110	16.92	5.33	6.16	0.136
		0.75	1.4	118	16.85	5.30	6.35	0.133
		0.85	1.6	58.9	16.89	5.31	6.49	0.132
		0.95	1.8	50.6	16.9	5.32	6.55	0.132
		1	1.9	92.3	16.83	5.32	6.61	0.132
		1.1	2.1	123	16.95	5.30	7.12	0.131
		1.2	2.3	93.6	16.95	5.31	7.81	0.130
		1.3	2.5	43.5	16.88	5.33	7.96	0.128
		1.4	2.7	40.3	16.96	5.30	7.71	0.128

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		1.5	2.9	35	16.95	5.30	7.98	0.127
		1.6	3.1	40.5	16.91	5.31	8.43	0.128
		1.75	3.4	14.7	16.86	5.30	8.37	0.127
		1.9	3.7	10.79	16.83	5.30	8.72	0.127
		2.1	4.0	7.26	16.86	5.30	9.14	0.126
		2.3	4.4	6.14	16.83	5.31	8.71	0.127
		2.6	5.0	6.31	16.84	5.31	8.02	0.127
	Oct-12	0.1	0.4	249	17.58	6.01	7.48	0.206
	Apr-13	0	0.0	450	18.34	5.78	7.92	0.175
MW-13b	Dec-01	20	0.8	999	15.8 C	9.06	7.66	0.503
		30	1.3	999	16 C	8.86	8.37	0.486
		40	1.7	999	16.1 C	8.11	7.95	0.446
		50	2.1	990	16.1 C	8.18	7.60	0.359
		80	3.3	395	15.7 C	8.11	7.82	0.308
		100	4.2	150	15.2 C	8.09	7.90	0.290
		120	5.0	130	15 C	8.10	7.59	0.279
	May-01	20	0.8	999	17.3 C	4.57	3.52	0.180
		40	1.7	999	17.4 C	5.26	3.41	0.233
	Sep-03[b]	10	1.7	764	18.0 C	5.61	6.53	0.200
		20	3.4	400	18.1 C	5.75	6.44	0.190
		30	5.1	188	18.0 C	5.86	6.35	0.155
		40	6.8	189	18.0 C	5.88	6.33	0.153
	May-04	1	0.2	316	20.6 C	5.97	4.58	0.135
		11	1.9	14.1	21.07 C	5.65	5.25	0.117
		13.5	2.3	9.8	20.85 C	5.63	5.44	0.116
		14	2.4	9.1	21.13 C	5.59	5.12	0.116
		15	2.5	8.7	21.15 C	5.61	5.45	0.116
	Jul-06	6	1.0	12	18.71 C	6.43	0.36	0.086
		7	1.2	10	18.55 C	6.43	0.49	0.087
		10	1.7	9.8	18.53 C	6.43	0.51	0.085
	Apr-07	4	0.7	488	17.47 C	5.92	5.61	0.134
		7	1.2	158	17.40 C	5.83	5.67	0.130
		12	2.1	29.4	17.48 C	5.80	5.72	0.128
		15	2.6	130	17.64 C	5.87	5.91	0.131
		18	3.1	36.4	17.42 C	5.84	5.94	0.130
		19.5	3.4	14.2	17.50 C	5.78	5.82	0.130
		21	3.7	7.9	17.57 C	5.78	5.84	0.130
	Oct-07[a]	0.2	0.0	1001	17.91 C	6.63	0.57	0.238
		1.2	0.2	473	18.57 C	6.08	1.20	0.158
		2.1	0.4	935	19.07 C	5.97	4.20	0.137
		4.5	0.9	444	18.04 C	5.91	4.04	0.130
		7.3	1.4	74	17.73 C	5.84	4.12	0.125
		10.9	2.1	37.1	17.68 C	4.21	4.19	0.124
		12.4	2.4	18.8	17.76 C	5.85	4.33	0.123
		13.8	2.7	18.5	17.67 C	5.82	4.29	0.123
		15.5	3.0	12.8	17.74 C	5.85	4.22	0.123
		17.4	3.4	13.6	17.78 C	5.83	4.26	0.123
		18.2	3.5	11.2	17.72 C	5.83	4.08	0.123
		18.8	3.6	9.87	17.72 C	5.82	4.14	0.123
	Apr-08[a]	1	0.2	362	18.83 C	6.62	1.10	0.249
		2	0.4	333	17.87 C	6.20	1.93	0.168
		3	0.6	456	18.39 C	5.98	3.20	0.152
		4	0.8	275	17.85 C	5.92	3.98	0.146
		5	0.9	248	17.55 C	5.87	3.87	0.145
		5.5	1.0	352	18.53 C	5.85	3.50	0.145
		6	1.1	137	18.41 C	5.85	3.49	0.143
		6.75	1.3	205	18.86 C	5.86	3.57	0.143
		7.5	1.4	162	18.55 C	5.83	3.74	0.142
		8.5	1.6	215	18.66 C	5.79	3.60	0.142
		10	1.9	213	18.77 C	5.84	3.84	0.142
		11	2.1		18.38 C	5.82	3.94	0.141
		12	2.3	262	17.48 C	5.93	3.29	0.144
		13	2.5	181	17.36 C	5.92	3.77	0.138
		13.75	2.6	165	17.63 C	5.91	3.80	0.137
		14.5	2.7	50.7	17.74 C	5.95	4.18	0.136
		15.25	2.9	26.7	18.05 C	5.91	3.99	0.134
		15.75	3.0	28.8	18.01 C	5.91	3.97	0.134
		16.25	3.1	19.8	17.69 C	5.92	4.08	0.133
		16.75	3.2	23.3	17.47 C	5.86	4.06	0.133
		17.25	3.3	28.2	17.57 C	5.85	4.02	0.133
		18.5	3.5	59.8	18.02 C	5.90	4.12	0.133
		20	3.8	35.4	18.43 C	5.88	4.15	0.132
		20.75	3.9	14.5	18.47 C	5.89	4.04	0.132
MW-13b		21.5	4.1	8.54	18.47 C	5.91	4.08	0.133
	Oct-08	1	0.2	122	17.25 C	6.42	-0.05	0.152
		2	0.4	164	17.41 C	6.14	-0.02	0.134
		3	0.6	207	17.45 C	6.11	-0.01	0.136
		4	0.8	70.6	17.50 C	5.83	4.72	0.132
		5	1.0	125	17.45 C	5.75	4.33	0.130

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		6	1.2	49.7	17.51 C	5.74	4.46	0.129
		7	1.4	22.9	17.52 C	5.72	4.56	0.128
		8	1.6	24.4	17.53 C	5.72	4.58	0.127
		9	1.8	16.6	17.53 C	5.73	4.59	0.127
		10	2.0	11.9	17.52 C	5.72	4.61	0.127
		11	2.2	8.89	17.52 C	5.72	4.62	0.127
	Apr-09	0.75	0.1	588	17.31 C	6.33	3.55	0.167
		1.25	0.2	568	17.45 C	6.04	3.90	0.148
		2	0.4	262	17.60 C	5.96	4.43	0.143
		2.75	0.5	109	17.62 C	5.91	4.73	0.138
		3.75	0.7	40.5	17.64 C	5.89	4.84	0.135
		4.5	0.9	34.4	17.62 C	5.88	4.85	0.134
		5	1.0	21.9	17.71 C	5.86	4.93	0.134
		5.75	1.1	19.1	17.75 C	5.88	4.90	0.133
		6.5	1.3	16.8	17.76 C	5.88	4.88	0.133
		7	1.4	15	17.57 C	5.87	4.92	0.133
		7.25	1.4	11.9	17.48 C	5.86	4.92	0.133
		7.5	1.5	12	17.46 C	5.86	5.50	0.133
		7.75	1.5	11.1	17.56 C	5.89	5.05	0.133
		8	1.6	9.55	17.50 C	5.89	4.97	0.133
	Oct-09	1	0.2	393	17.27 C	5.31	2.71	0.145
		1.5	0.3	425	17.48 C	5.19	2.74	0.146
		2.25	0.4	134	17.55 C	5.06	3.64	0.133
		3	0.5	74.3	17.59 C	4.99	3.72	0.131
		5	0.9	33.4	17.52 C	4.99	3.73	0.130
		6	1.1	36.1	17.53 C	4.98	3.80	0.129
		7	1.3	27.4	17.61 C	5.02	3.85	0.130
		8	1.5	20.6	17.59 C	5.06	3.91	0.131
		8.75	1.6	19.9	17.64 C	5.11	3.90	0.130
		9.75	1.8	15.4	17.67 C	5.21	3.86	0.130
		10	1.8	13.27	17.64 C	5.26	3.86	0.134
		11	2.0	12.21	17.68 C	5.29	3.86	0.129
		12	2.2	10.13	17.69 C	5.35	3.89	0.127
		13.25	2.4	10.98	17.66 C	5.37	3.89	0.129
		14	2.6	9.78	17.66 C	5.37	3.90	0.130
	Apr-10	1	0.2	87	17.83	4.70	2.72	0.136
		2.5	0.4	53.8	17.89	4.95	3.90	0.133
		3.25	0.5	38.1	17.92	5.18	4.37	0.133
		4.25	0.7	25.2	17.95	5.27	4.42	0.134
		5.25	0.8	19.2	17.92	5.33	4.40	0.133
		7	1.1	17.8	17.98	5.36	4.40	0.133
		8	1.3	12.3	17.94	5.43	4.40	0.132
		8.5	1.3	10.82	18.03	5.48	4.40	0.132
		9.5	1.5	9.75	17.96	5.51	4.43	0.132
		10.25	1.6	8.39	17.99	5.54	4.39	0.132
		11.5	1.8	7.35	18.02	5.55	4.40	0.132
	Oct-10	1.25	0.2	17.6	17.63	5.85	3.07	0.140
		4.75	0.8	35.3	17.76	5.88	5.08	0.135
		6.5	1.1	15.1	17.87	5.88	5.28	0.136
		7.5	1.3	13.3	17.91	5.89	5.37	0.138
		8	1.3	12.3	17.97	5.89	5.40	0.139
		8.5	1.4	9.64	17.97	5.89	5.44	0.139
	Apr-11[a]	3.5	0.6	399	17.65	5.74	5.69	0.136
		8.5	1.5	252	17.77	5.25	5.92	0.135
		11	1.9	59.6	17.78	5.36	5.95	0.134
		15	2.6	40.5	17.86	5.46	5.96	0.135
		17	3.0	27.3	17.85	5.43	5.97	0.135
		20	3.5	21.8	17.88	5.45	5.92	0.137
		23	4.0	13.7	17.95	5.44	5.95	0.136
		25	4.4	14.4	17.99	5.41	5.83	0.135
		27.5	4.8	11.8	17.98	5.37	5.92	0.136
		28.5	5.0	13.1	17.99	5.38	5.93	0.137
		29.5	5.1	9.44	17.97	5.33	5.94	0.137
	Oct-11	Not sampled due to access restrictions						
	Apr-12	1.5	0.3	168	17.4	5.08	1.62	0.152
		2	0.4	144	17.52	5.32	3.34	0.137
		3	0.6	96	17.58	5.47	3.64	0.134
		4	0.8	98.7	17.63	5.54	3.76	0.134
		5	1.0	113	17.65	5.58	3.82	0.133
		6	1.2	76.5	17.66	5.59	3.86	0.132
		7	1.4	56.9	17.69	5.59	3.84	0.132
		8	1.6	49.8	17.71	5.62	3.86	0.132
		9	1.8	48.7	17.69	5.59	3.87	0.131
		10	2.0	24.2	17.77	5.63	3.89	0.130
		11	2.2	19.5	17.75	5.6	3.88	0.134
		12	2.3	8.9	17.79	5.66	3.89	0.131
		13	2.5	9.68	17.79	5.59	3.86	0.131
		14	2.7	6.88	17.85	5.67	3.91	0.131
		15	2.9	4.59	17.8	5.66	3.93	0.132

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		16	3.1	3.56	17.86	5.65	3.91	0.132
	Oct-12	0.75	0.2	340	18.17	6.12	2.16	0.17
		1.5	0.3	104	18.15	5.89	4.26	0.141
		3	0.6	57	18.13	5.86	4.83	0.137
		5	1.1	31.9	18.22	5.85	5.01	0.137
		6.5	1.4	34.6	18.22	5.86	5.12	0.136
		7.5	1.6	32.9	18.31	5.87	5.17	0.135
		8.5	1.8	30.2	18.31	5.9	5.19	0.135
		9.5	2.0	9.5	18.29	5.91	5.21	0.135
		10.5	2.2	11.7	18.23	5.9	5.22	0.136
		11.5	2.4	6.52	18.23	5.89	5.2	0.135
		12.5	2.6	7.01	18.21	5.88	5.22	0.135
		13.5	2.9	6.79	18.26	5.86	5.25	0.135
		14.5	3.1	6.96	18.26	5.86	5.24	0.135
MW-14	May-02	3	2.6	999	22.9 C	6.50	3.82	0.539
		6	5.1	747	23.7 C	6.39	3.68	0.565
		9	7.7	234	23.8 C	6.38	3.56	0.578
	Sep-03[b]	2 [d]	1.7	657	20.3 C	6.64	4.84	0.291
		4 [d]	3.4	449	21.0 C	6.67	7.49	0.221
		5 [d]	4.3	299	22.0 C	6.86	8.90	0.229
	May-04	0.5	1.2	8	21.61 C	6.14	6.79	0.185
	Jul-06	0.25	0.2	85.2	21.77 C	6.58	7.59	0.013
		0.5	0.4	303	20.08 C	6.50	3.80	0.134
		1.5	5.7	200	20.53 C	6.66	3.18	0.137
		1.75	7.0	156b	20.11 C	6.54	3.20	0.141
	Apr-07	not sampled due to insufficient water in the well						
	Oct-07	dry						
	Apr-08	dry						
	Oct-08	dry						
	Apr-09	dry						
	Oct-09	dry						
	Apr-10	0.5	0.9	730	18.49	6.4	2.27	0.156
		1.25	2.4	1059	18.76	6.25	2.15	0.117
		1.75	3.3	956	18.85	6.1	2.05	0.11
		2.25	4.2	813	18.54	6.02	2.04	0.113
	Oct-10	0	0.0	984	18.40	5.58	5.70	0.112
		0.7	1.5	254	18.22	5.42	5.92	0.097
		1.35	2.9	58.7	18.91	5.51	4.29	0.098
		2.15	4.6	49.8	19.63	5.52	4.14	0.097
		2.25	4.8	46.0	19.66	5.52	4.11	0.097
		2.35	5.0	46.5	19.71	5.53	4.04	0.098
	Apr-11	0.2	1.0	460	22.84	5.95	7.30	0.163
		0.4	2.0	510	21.05	5.96	6.49	0.121
		0.5	2.5	515	20.43	6.06	6.29	0.121
	Oct-11	not sampled due to insufficient water in the well						
	Oct-12	Not sampled due to insufficient water						
MW-14b	Jan-08	22	5.6	128	20.52 C	10.76	4.68	4.19
		24	6.2	140	20.52 C	10.74	4.4	4.18
		28	7.2	22	20.52 C	10.71	3.89	4.19
		29	7.4	13.5	20.52 C	10.71	3.84	4.2
		30	7.7	6.1	20.51 C	10.71	3.85	4.2
	Apr-08a	0	0.0	20.6	20.3 C	8.19	4.92	0.2
		0.3	0.1	13.7	19.51 C	8.32	2.35	0.204
		0.6	0.1	12.8	19.41 C	8.27	2.36	0.205
		1	0.2	11.5	19.57 C	8.25	2.4	0.204
		1.25	0.3	7.28	19.65 C	8.25	2.47	0.203
	Oct-08	0.05	0.0	28.9	19.78 C	8.47	3.32	0.244
		0.2	0.0	24.3	19.82 C	8.3	2.03	0.225
		0.3	0.1	19.5	19.95 C	8.15	1.9	0.219
		0.35	0.1	14.4	20.49 C	8.02	1.43	0.211
		0.5	0.1	9.23	20.77 C	7.51	1.34	0.203
		0.7	0.2	5.75	20.78 C	7.46	1.38	0.202
	Apr-09	0	0.0	36.52	17.44 C	10.33	2.17	0.413
		0.1	0.0	12.8	17.37 C	10.33	1.83	0.409
		0.45	0.1	7.68	18.51 C	10.34	0.83	0.390
		0.7	0.2	7.34	18.64 C	10.28	0.53	0.389
		0.85	0.2	5.61	18.45 C	10.28	0.50	0.389
		0.95	0.2	5.21	18.23 C	10.28	0.54	0.389
		1.05	0.2	4.82	17.89 C	10.27	0.63	0.389
		1.1	0.2	3.62	18.09 C	10.27	0.69	0.389
		1.15	0.3	3.6	18.08 C	10.28	0.68	0.390
		1.15	0.3	3.18	17.79 C	10.28	0.70	0.390
MW-14b	Oct-09	0.25	0.0		18.65 C	9.15	0.93	0.254
		0.5	0.1		19.13 C	9.34	0.85	0.249
		0.75	0.1	20.08	19.51 C	9.25	0.86	0.244
		1	0.1		19.73 C	9.19	0.90	0.239
		1.25	0.1	7.1	19.71 C	9.21	0.80	0.239
	Apr-10	0.2	0.0	42.9	21.85	7.38	1.03	0.234

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		0.4	0.1	39	20.47	7.28	0.48	0.228
		0.6	0.1	22.7	19.98	7.12	0.40	0.224
		0.8	0.2	17.1	20.22	7.06	0.39	0.222
		1	0.2	13.5	20.21	7.02	0.40	0.221
		1.15	0.2	8.95	20.29	6.96	0.39	0.221
		1.3	0.2	7.56	20.28	6.93	0.39	0.221
		1.45	0.2	7.41	20.28	6.99	0.43	0.221
	Oct-10	0	0.0	31.6	20.91	6.84	8.86	0.200
		0.25	0.0	25.3	20.23	6.76	1.86	0.197
		0.4	0.1	15.2	20.08	6.69	1.24	0.191
		0.55	0.1	8.20	20.08	6.66	1.05	0.188
		0.7	0.1	7.17	20.08	6.69	0.96	0.189
	Apr-11[a]	0.25	0.1	31.6	20.35	7.35	7.72	0.246
		0.65	0.1	30.9	20.22	6.77	2.79	0.237
		0.95	0.2	25.9	20.54	6.96	2.15	0.225
		1.25	0.3	13.6	20.45	7.16	2.20	0.216
		1.55	0.3	9.53	20.26	7.91	2.19	0.214
		1.85	0.4	30.4	20.26	8.41	2.24	0.208
		2.15	0.4	13.8	20.41	8.35	2.19	0.214
		2.3	0.5	8.56	20.36	8.40	2.21	0.212
		2.45	0.5	9.21	20.44	8.40	2.23	0.212
	Oct-11	0.25	0.1	60.9	19.23	7.65	0.93	0.238
		0.5	0.1	32.7	19.82	7.40	1.05	0.221
		1	0.2	5.83	20.13	7.26	0.67	0.218
		2.25	0.5	5.30	20.11	7.21	0.86	0.220
		3	0.6	4.14	20.38	7.35	1.20	0.218
		3.75	0.8	NA	20.49	7.24	1.01	0.212
		3.75	0.8	18.1	19.20	7.00	1.27	0.218
		4.75	1.0	13.3	20.10	6.97	3.24	0.204
		5.75	1.2	24.8	19.57	6.63	6.68	0.188
		7.5	1.6	28.9	19.52	6.65	7.14	0.189
		8.75	1.9	9.76	19.60	6.97	2.32	0.234
		10.5	2.2	8.15	19.86	7.31	1.40	0.246
		11	2.3	7.18	20.34	7.36	1.50	0.245
		11.5	2.4	6.10	20.67	7.46	1.25	0.248
		12	2.6	6.45	20.73	7.50	1.31	0.247
		12.5	2.7	3.18	20.70	7.48	1.40	0.246
	Apr-12	0.75	0.2	114	20.02	7.97	0.44	0.250
		1.75	0.4	44.4	20.73	7.95	0.46	0.230
		2.75	0.7	15	20.36	9.35	2.14	0.187
		3.75	0.9	11.6	20.70	8.95	3.01	0.178
		4.75	1.2	16	20.72	9.28	2.82	0.179
		5	1.3	6.85	20.20	7.73	1.18	0.200
		5.75	1.4	5.19	20.43	7.58	0.61	0.229
		6	1.5	3.24	20.42	7.70	0.50	0.234
		6.5	1.6	32.4	20.15	7.76	0.50	0.242
		7	1.8	19	21.35	8.08	0.35	0.247
		8.5	2.1	101.5	21.13	8.08	0.35	0.247
		9	2.3	87.5	21.39	8.36	0.22	0.246
		9.5	2.4	100.9	22.03	8.38	0.18	0.248
		9.75	2.4	79.9	21.20	8.33	0.94	0.244
	Oct-12	0.13	0.0	--	19.38	8.97	5.85	0.236
		0.79	0.2	12.7	19.30	8.21	1.33	0.234
		1.59	0.4	14.8	19.29	8.14	0.60	0.230
		2.64	0.7	4.84	19.31	9.16	1.01	0.212
		3.70	1.0	2.87	19.30	9.57	2.62	0.210
		4.29	1.1	3.13	19.25	9.66	3.32	0.211
		4.82	1.2	2.8	19.37	9.60	3.94	0.210
		5.35	1.4	2.68	19.41	9.31	3.45	0.207
		5.75	1.5	2.67	19.68	8.80	4.69	0.209
		6.01	1.5	3.37	19.78	8.33	1.58	0.216
		6.27	1.6	--	19.80	7.97	4.34	0.220
		6.67	1.7	2.31	20.09	7.85	3.69	0.225
		6.99	1.8	2.56	20.14	7.93	3.60	0.231
		7.30	1.9	--	20.33	7.98	2.53	0.233
		7.59	2.0	--	20.32	8.00	1.64	0.236
		7.73	2.0	5.57	20.52	8.02	1.58	0.236
		7.86	2.0	--	20.64	8.05	1.71	0.237
	13-Apr	0.00	0.00	10.50	16.41	5.20	6.62	0.239
		0.30	0.08	7.81	17.66	8.38	1.58	0.214
		1.50	0.39	9.10	18.61	8.31	3.34	0.218
		2.00	0.51	8.96	18.61	8.17	3.99	0.206
		2.50	0.64	9.14	18.60	8.46	4.61	0.172
		2.80	0.72	6.00	18.63	8.76	5.22	0.150
		3.00	0.77	5.05	18.65	8.76	5.17	1.490
		3.50	0.90	5.00	18.64	8.60	4.98	0.152
		4.00	1.03	5.96	18.66	8.62	4.90	0.153
MW-15	May-02 through Oct-12			dry				
MW-16	May-02	3	2.3	999	23.1 C	6.89	7.64	0.119

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		6	4.6	999	22.6 C	6.27	7.84	0.112
		9	6.9	999	22.9 C	6.21	7.27	0.102
	Sept-03 through Oct-12			dry				
MW-17	Sep-03	15	10	> 999	24.1 C	6.41	10.48	0.104
	(no sample)	25	16.7	> 999				
	Sep-03	2	1.3	293	22.1 C	6.37	9.17	0.103
		4	2.7	153	22.1 C	6.30	8.57	0.100
		6	4.0	40.1	25.9 C	6.26	8.18	0.101
		7	4.7	8.9	26.3 C	6.24	8.23	0.101
	May-04	0.1	0.1	65.4	22.03 C	6.02	8.62	0.094
		0.5	0.4	31.4	23.41 C	5.69	7.09	0.094
		0.75	0.7	16.3	24.76 C	5.59	6.70	0.092
		1	0.9	10.6	26.2 C	5.61	6.57	0.093
		1.2	1.1	8.9	26.47 C	5.62	6.03	0.093
		1.5	1.3	7.3	26.25 C	5.68	6.46	0.093
	Jul-06	0.8	0.5	258	21.13 C	5.99	0.57	0.071
		3	2.0	822	21.15 C	6.01	0.70	0.072
		4	2.7	31	23.34 C	6.30	1.22	0.076
		4.5	3.0	10	22.91 C	6.24	1.19	0.077
	Apr-07	0.4	0.8	134.2	20.46 C	6.19	3.79	0.141
		0.8	1.5	92.1	20.49 C	6.12	3.79	0.141
		1.2	2.3	44.8	20.53 C	6.15	3.99	0.141
		1.5	2.9	19.8	20.60 C	6.13	4.15	0.141
		6.4	12.3	58.4	20.59 C	6.12	4.16	0.141
		10.2	19.6	52.3	19.37 C	6.24	4.08	0.181
		12.5	24.0	8.5	19.39 C	6.23	4.05	0.181
	Oct-07[d]	0.2	1.0	above range	19.02 C	5.30	5.93	0.127
		0.4	2.0	972	19.12 C	5.67	8.06	0.070
		0.6	3.0	1354	19.1 C	5.61	7.39	0.107
		0.8	4.0	1446	18.7 C	5.72	7.18	0.079
		1	5.0	1287	18.42 C	5.66	8.14	0.062
	Apr-08[a]	0	0.0	293	18.46 C	5.86	4.22	0.167
		0.05	0.1	255	18.46 C	5.94	4.08	0.143
		0.1	0.2	233	18.26 C	5.94	4.25	0.139
		0.14	0.3	196	18.11 C	5.93	4.59	0.136
		0.18	0.4	144	18.1 C	5.93	4.68	0.135
		0.22	0.5	86.6	18.09 C	5.94	4.83	0.135
		0.26	0.6	88.5	18.12 C	5.94	5.16	0.132
		0.3	0.7	83.5	18.17 C	5.94	5.24	0.131
		0.34	0.8	85.2	18.15 C	5.94	5.16	0.130
		0.38	0.9	81.5	17.98 C	5.91	5.25	0.128
		0.425	1.0	75.3	18.01 C	5.91	5.59	0.127
		0.475	1.1	85.3	17.94 C	5.94	5.58	0.127
		0.525	1.3	80.3	17.9 C	5.95	5.54	0.127
		0.575	1.4	79.2	17.73 C	5.89	5.71	0.125
		0.633	1.5	65.8	17.67 C	5.89	5.38	0.125
		0.7	1.7	55.8	17.72 C	5.90	5.65	0.126
		0.76	1.8	74.2	17.85 C	5.93	5.48	0.125
		0.9	2.1	78.8	17.96 C	5.93	5.59	0.125
		1	2.4	68.1	18.03 C	5.92	5.37	0.125
		1.06	2.5	74.2	17.91 C	5.93	5.43	0.124
		1.133	2.7	73.5	17.69 C	5.91	5.47	0.125
		1.2	2.9	72.1	17.63 C	5.90	5.62	0.125
		1.23	2.9	68.8	17.6 C	5.92	5.27	0.124
		1.26	3.0	69.2	17.56 C	5.91	5.61	0.125
		1.3	3.1	83.6	17.5 C	5.90	5.52	0.125
	Oct-08	Used bailer, not enough water for water quality or to collect sample.						
	Apr-09[a]	0	0.0	232	18.52 C	6.05	6.78	0.132
		0.15	0.2	121	18.58 C	6.02	9.22	0.129
		0.35	0.4	72.2	18.58 C	5.95	9.02	0.125
		0.45	0.5	54.1	18.60 C	5.91	8.82	0.120
		0.65	0.7	36.6	18.64 C	5.90	8.71	0.117
		0.85	1.0	34.2	18.60 C	5.89	8.62	0.117
		1.1	1.3	43.6	18.55 C	6.04	8.55	0.116
		1.2	1.4	45.2	18.48 C	5.93	8.44	0.117
		1.3	1.5	39.8	18.60 C	5.63	8.41	0.119
		1.45	1.6	41.9	18.69 C	5.98	8.39	0.118
		1.85	2.1	40.3	18.75 C	6.06	8.44	0.118
		2	2.3	41.3	18.74 C	5.84	8.35	0.119
		2.25	2.6	43.5	18.72 C	5.77	8.27	0.118
		2.35	2.7	42.7	18.71 C	5.76	8.30	0.118
		2.5	2.8	47.9	18.71 C	5.76	8.33	0.119
		2.65	3.0	44.2	18.72 C	5.77	8.32	0.119
	Oct-09[a]	0.5	0.3	102	19.1 C	5.00	7.29	0.125
		0.9	0.6	140	18.59 C	5.66	7.16	0.125
		1	0.7	602	18.68 C	5.80	7.70	0.125
		1.3	0.9	390	19.2 C	5.75	7.50	0.124
		1.8	1.2	284	19.22 C	5.74	7.42	0.123

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2.1	1.4	283	19.18 C	5.73	7.37	0.124
		2.25	1.5	212	19.19 C	5.73	7.34	0.124
		2.45	1.6	122	19.24 C	5.72	7.35	0.125
		2.8	1.9	124	19.31 C	5.72	7.33	0.124
		3.1	2.1	80.3	19.46 C	5.70	7.39	0.124
		3.75	2.5	124	19.48 C	5.69	7.40	0.124
		4.25	2.8	65.6	19.48 C	5.69	7.41	0.124
		5.1	3.4	93.1	19.48 C	5.70	7.36	0.125
		5.6	3.7	78.4	19.49 C	5.69	7.33	0.125
		6.2	4.1	62.5	19.57 C	5.71	7.31	0.125
		6.6	4.4	58.4	19.63 C	5.72	7.31	0.126
		6.95	4.6	57.2	19.63 C	5.71	7.26	0.126
		7.2	4.8	67.7	19.77 C	5.73	7.24	0.126
		7.5	5.0	74.9	19.85 C	5.76	7.27	0.126
	Apr-10[a]	0.2	0.1	1249	21.21	5.76	3.68	0.131
		0.35	0.2	612	20.38	5.52	3.24	0.130
		0.5	0.3	424	19.84	5.48	3.44	0.128
		0.7	0.5	324	19.76	5.46	3.47	0.128
		0.9	0.6	246	19.64	5.46	3.49	0.128
		1.25	0.9	198	19.52	5.43	3.50	0.127
		1.75	1.2	167	19.44	5.40	3.48	0.128
		2.25	1.5	-	19.51	5.43	3.26	0.128
		2.75	1.9	137	19.55	5.45	3.48	0.129
		3.25	2.2	115	19.38	5.43	3.52	0.129
		3.75	2.6	89.7	19.36	5.42	3.53	0.128
		4	2.7	79.2	19.36	5.42	3.51	0.129
		4.25	2.9	79.5	19.34	5.42	3.52	0.129
		4.5	3.1	77.8	19.37	5.42	3.52	0.130
	Oct-10	0	0.0	ADL	21.21	6.25	5.85	0.143
		2.15	2.1	175	20.24	5.25	5.80	0.134
		4.65	4.6	63.9	19.72	5.51	5.85	0.134
		4.9	4.9	98.7	19.7	5.51	5.82	0.134
		5.15	5.1	87.4	19.7	5.52	5.83	0.133
	Apr-11[a]	0.25	0.2	702	19.44	5.53	7.30	0.140
		0.525	0.5	380	19.21	4.99	6.39	0.128
		0.775	0.7	230	19.17	5.55	6.22	0.127
		1.025	0.9	126	19.15	5.65	6.28	0.127
		1.275	1.1	89.7	19.15	5.76	6.29	0.128
		1.525	1.3	76.8	19.13	5.77	6.30	0.129
		1.775	1.5	67.4	19.05	5.78	6.52	0.129
		2.025	1.8	53.5	19.05	5.78	6.49	0.129
		2.275	2.0	51.1	19.07	5.80	6.56	0.130
		2.525	2.2	42.6	19.17	5.82	6.55	0.130
		2.775	2.4	42.4	19.28	5.80	6.55	0.131
		3.025	2.6	29.4	19.4	5.80	6.57	0.130
		3.6	3.1	31.3	19.35	5.82	6.69	0.128
		4.2	3.7	25.7	19.46	5.80	6.58	0.129
		4.8	4.2	29.7	19.55	5.83	6.66	0.131
		5.4	4.7	29.1	19.61	5.82	6.70	0.130
		5.7	5.0	33.5	19.53	5.82	6.70	0.131
		6	5.2	29.7	19.58	5.83	6.71	0.131
	Oct-11	0.2	0.5	>1000	19.00	6.11	9.35	0.134
		0.4	1.0	589	19.08	6.17	9.66	0.135
		0.5	1.2	853	19.22	6.18	9.92	0.133
		0.6	1.4	573	19.24	6.16	10.02	0.134
		0.7	1.7	316	19.35	6.17	10.50	0.133
		0.8	1.9	224	19.15	6.15	10.40	0.132
		0.9	2.1	165	19.33	6.15	10.41	0.133
		1	2.4	112	19.21	6.15	10.64	0.132
		1.1	2.6	89.9	19.20	6.11	10.55	0.131
		1.2	2.9	76.6	19.09	6.10	10.54	0.130
		1.3	3.1	72.1	18.88	6.09	10.67	0.132
	Apr-12	0.1	0.1	>1000	19.31	5.02	6.4	0.149
		0.15	0.2	242	19.34	5.04	5.95	0.141
		0.2	0.3	138	19.37	5.27	6.16	0.139
		0.33	0.5	76.3	19.29	5.46	6.14	0.136
		0.4	0.6	60.4	19.27	5.51	6.27	0.135
		0.5	0.7	45.8	19.34	5.6	6.24	0.135
		0.6	0.9	35.4	19.34	5.66	6.24	0.134
		0.7	1.0	43.7	19.35	5.68	6.21	0.134
		0.8	1.2	41.4	19.36	5.69	6.23	0.135
		0.9	1.3	40.1	19.40	5.71	6.24	0.133
		1	1.4	44.2	19.39	5.75	6.25	0.135
		1.1	1.6	56.1	19.42	5.79	6.25	0.133
		1.2	1.7	51.3	19.38	5.89	6.28	0.133
		1.3	1.9	51.2	19.47	5.78	6.22	0.134
		1.4	2.0	51.5	19.48	5.84	6.29	0.133
		1.5	2.2	53.3	19.55	5.88	6.22	0.134
		1.6	2.3	50.2	19.60	5.88	6.18	0.133

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		1.7	2.5	51.6	19.55	5.91	6.25	0.133
		1.8	2.6	52.8	19.61	5.91	6.21	0.133
		1.9	2.7	51.1	19.62	5.9	6.23	0.133
		2	2.9	51.6	19.58	5.91	6.28	0.135
		2.1	3.0	52.4	19.54	5.9	6.25	0.134
	Oct-12	Not sampled due to insufficient water						
	Apr-13	0	0.00	550	20.00	5.38		
		0.1	0.14	225	19.63	5.64		
		0.5	0.72	65	19.79	5.86		
		1.0	1.45	29.1	19.02	5.83		
		2.0	2.89	30.3	20.00	5.85		
		2.5	3.61	27.5	20.15	5.84		
		2.6	3.76	20.7	20.00	5.82		
		2.7	3.90	15.5	20.02	5.75		
		2.8	4.05	19	20.01	5.73		
		2.9	4.19	22.3	19.97	5.73		
MW-18	Jul-06	2.5	1.7	>999	30.38 C	8.69	1.80	0.522
		5	3.3	> 999	26.21 C	8.58	1.67	0.436
		7.5	5.0	814	26.18 C	8.61	1.64	0.431
		10	6.7	628	26.19 C	8.60	1.65	0.434
		12.5	8.3	405	26.22 C	8.61	1.63	0.430
		15	10.0	153	26.21 C	8.62	1.62	0.432
		25	22.1	62.1	26.21 C	8.63	1.60	0.431
	Apr-07	5	1.0	4.43	20.62 C	7.59	0.57	0.877
		10	2.1	9.6	21.02 C	7.90	1.03	1.212
		15	3.1	9.4	21.08 C	7.85	0.96	1.201
	Oct-07	1.5	0.3	24	20.65 C	7.72	0.84	0.885
		2	0.4	20	20.86 C	7.67	0.79	0.851
		2.5	0.5	17	20.74 C	7.67	0.71	0.861
		3	0.6	13.1	21.18 C	7.67	0.73	0.840
		4	0.8	10.2	20.73 C	7.68	0.69	0.836
		5	1.0	9	21.29 C	7.67	0.80	0.832
	Apr-08[a]	0.5	0.1	164	22.49 C	7.88	0.58	1.092
		1.5	0.3	71.8	22.43 C	7.95	0.46	1.048
		2.5	0.5	28.2	24.31 C	7.95	0.32	0.935
		3.5	0.7	101	23.36 C	7.93	0.39	0.878
		4.5	0.9	50.1	23.42 C	7.95	0.40	0.873
		5.25	1.0	16.3	24.03 C	7.95	0.35	0.860
		5.75	1.1	21.7	25.04 C	7.95	0.51	0.856
		5.95	1.2	16.8	24.47 C	7.92	0.50	0.837
		6	1.2	12.6	25.2 C	7.94	0.56	0.841
		6.1	1.2	9.1	25.57 C	7.95	0.57	0.842
	Oct-08	0.5	0.1	131	20.81 C	8.68	0.74	0.992
		1.5	0.3	50.3	21.08 C	8.53	0.66	0.844
		2	0.4	46.1	21.19 C	8.33	0.96	0.841
		2.25	0.4	42.9	21.04 C	8.38	0.62	0.854
		3	0.6	26.7	21.56 C	8.39	0.63	0.852
		3.25	0.6	26.1	21.63 C	8.32	0.69	0.830
		3.5	0.7	19.5	21.34 C	8.27	0.76	0.826
		4	0.8	30.3	21.55 C	8.25	0.79	0.819
		4.5	0.9	26.3	22.06 C	7.96	0.98	0.685
		4.75	0.9	15.4	22.30 C	7.87	1.17	0.625
		5	1.0	11.4	22.13 C	7.94	1.14	0.641
		5.25	1.0	16.1	21.81 C	8.02	1.05	0.663
		5.5	1.1	15.7	21.43 C	8.01	1.08	0.664
	Oct-09	5.75	1.1	15.4	21.24 C	7.98	1.09	0.665
		6	1.2	14.2	21.05 C	7.93	1.08	0.669
		6.25	1.2	11.8	20.9 C	7.91	1.02	0.675
		6.5	1.3	11	20.64 C	7.88	1.06	0.677
		6.75	1.3	9.68	21.44 C	7.94	0.95	0.706
	Apr-09[a]	0.1	0.0	196	19.83 C	7.53	1.68	0.842
		0.3	0.1	81.8	20.09 C	7.49	1.33	0.843
		0.5	0.2	36.2	20.36 C	7.45	1.90	0.798
		0.65	0.2	29.6	20.47 C	7.44	1.98	0.781
		0.75	0.3	25.2	20.27 C	7.44	2.35	0.761
		0.9	0.3	17.3	20.46 C	7.44	2.68	0.720
		1.3	0.5	29.2	20.47 C	7.45	3.16	0.673
		1.7	0.6	145	20.82 C	7.49	2.84	0.707
		2.3	0.9	128	20.96 C	7.59	1.76	0.850
		2.7	1.0	46.7	22.27 C	7.53	2.47	0.718
		3.3	1.3	52.6	21.71 C	7.47	2.30	0.735
		3.9	1.5	48.8	22.06 C	7.48	1.68	0.766
		4.6	1.8	32.6	21.65 C	7.48	1.87	0.755
		5.1	1.9	33.9	20.89 C	7.49	1.85	0.770
		5.3	2.0	32.5	21.07 C	7.50	1.76	0.797
		5.5	2.1	39.7	21.02 C	7.53	1.04	0.813
		5.6	2.1	18.2	20.87 C	7.54	1.34	0.813
		5.7	2.2	12.4	20.67 C	7.54	1.48	0.813
		5.8	2.2	9.44	21.22 C	7.54	1.19	0.821

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-19	Jan-08	0.5	0.1	999	14.36 C	9.50	0.01	1.420
		2.5	0.6	827	18.74 C	8.94	0.01	1.430
		4	1.0	704	18.68 C	7.03	0.01	1.480
		6	1.5	221	18.65 C	7.04	0.03	1.460
		9	2.3	18.75	18.65 C	7.05	0.02	1.460
		14	3.6	8.01	18.65 C	7.05	0.02	1.450
	Apr-08	0	0.0	186	22.8 C	6.12	1.40	0.755
		0.25	0.1	126	21.73 C	6.08	1.11	0.747
		0.3	0.2	73.3	21.69 C	6.09	0.81	0.735
		0.4	0.2	54.3	21.65 C	6.11	0.63	0.726
		0.6	0.3	58.1	21.44 C	6.12	0.51	0.711
		1	0.5	32.5	21.27 C	6.06	0.38	0.680
		1.25	0.6	16.8	21.17 C	6.00	0.33	0.584
		1.7	0.9	10.7	21.09 C	6.05	0.25	0.477
		2	1.0	7.4	21.22 C	6.07	0.18	0.425
	Oct-08	0.15	0.1	180	19.32 C	6.96	1.33	0.771
		0.4	0.2	122	19.76 C	6.96	0.80	0.768
		0.8	0.5	55.2	19.96 C	6.89	0.70	0.765
		1.15	0.7	34.6	20.03 C	6.80	0.65	0.766
		1.5	0.9	12.4	20.18 C	6.84	0.60	0.766
		1.9	1.2	6.58	20.09 C	6.73	0.64	0.765
	Apr-09	0	0.0	27.1	21.05 C	4.85	2.15	0.241
		0.05	0.0	18.3	21.27 C	4.72	4.26	0.241
		0.15	0.1	5.36	21.07 C	4.68	2.40	0.240
		0.25	0.1	4.06	21.26 C	4.64	2.75	0.235
		0.4	0.2	3.79	21.35 C	4.63	3.79	0.231
		0.5	0.3	3.21	21.29 C	4.67	3.21	0.225
		0.65	0.3	2.46	21.31 C	4.68	2.46	0.218
		0.75	0.4	2.31	21.14 C	4.70	2.31	0.214
		0.9	0.5	1.97	21.17 C	4.71	1.97	0.211
		1.05	0.5	1.51	21.16 C	4.75	1.51	0.210
		1.2	0.6	1.46	20.96 C	4.75	1.46	0.207
		1.3	0.7	1.45	21.08 C	4.75	1.45	0.204
		1.35	0.7	1.4	21.18 C	4.75	1.40	0.203
		1.4	0.7	1.39	21.2 C	4.76	1.39	0.201
		1.45	0.8	1.4	21.13 C	4.72	1.40	0.199
MW-19	Oct-09	0.25	0.1	32.3	20.58 C	5.23	1.15	0.217
		0.75	0.4	18.4	20.66 C	5.11	0.97	0.197
		1.2	0.6	9.48	20.69 C	5.14	0.98	0.191
		1.4	0.7	5.52	20.68 C	5.24	0.99	0.195
		2.75	1.4	4.21	20.67 C	5.40	0.92	0.207
		3.1	1.6	3.85	20.65 C	5.47	0.88	0.212
		3.25	1.7	5.24	20.63 C	5.48	0.86	0.217
		3.5	1.8	4.96	20.55 C	5.52	0.79	0.222
		3.9	2.0	6.62	20.47 C	5.57	0.74	0.226
		4.25	2.2	5.98	20.53 C	5.58	0.69	0.227
	Apr-10	0.2	0.1	60.3	20.66	5.48	0.61	0.193
		0.4	0.2	47.7	20.74	5.53	0.47	0.193
		0.7	0.4	19	20.76	5.56	0.61	0.190
		1	0.5	12.7	20.78	5.59	0.57	0.193
		1.35	0.7	8.45	20.78	5.61	0.51	0.196
		1.7	0.9	7.9	20.83	5.63	0.44	0.201
		2.1	1.1	4.57	20.8	5.63	0.40	0.202
		2.8	1.5	4.71	20.85	5.66	0.38	0.205
		3.2	1.7	3.24	20.8	5.67	0.37	0.207
		3.8	2.0	3.4	20.85	5.69	0.37	0.210
		4.1	2.2	2.42	20.85	5.71	0.37	0.210
		4.7	2.5	2.1	20.79	5.71	0.37	0.209
	Oct-10	0	0.0	52.7	23.00	6.34	2.31	0.274
		1.85	1.0	4.88	21.17	6.03	0.52	0.298
		5.05	2.7	1.79	21.03	6.14	0.43	0.332
		5.55	3.0	2.20	21.00	6.16	0.43	0.340
		6.05	3.2	2.23	20.97	6.18	0.42	0.344
	Apr-11	0.25	0.1	109	21.02	5.41	1.01	0.188
		0.75	0.4	66.9	20.88	5.24	0.83	0.178
		1.25	0.6	35.9	20.81	5.23	0.85	0.167
		1.75	0.9	20.2	20.77	5.65	1.15	0.173
		2.25	1.2	12.2	20.76	5.78	1.47	0.179
		2.75	1.4	8.29	20.84	5.84	1.67	0.178
		3.25	1.7	6.22	20.77	5.84	1.76	0.175
		3.75	1.9	5.3	20.85	5.84	1.73	0.174
		4.25	2.2	5.36	20.86	5.83	1.57	0.168
		4.75	2.4	5.2	20.86	5.83	1.62	0.167
		5.25	2.7	4.88	20.88	5.84	1.53	0.165
		5.75	2.9	4.03	20.83	5.81	1.40	0.164
		6.25	3.2	3.67	20.92	5.82	1.40	0.163
	Oct-11[a]	0.15	0.1	58.90	20.87	6.45	0.98	0.609
		0.5	0.3	25.70	20.71	6.44	1.11	0.605
		1	0.5	12.1	20.74	6.41	1.36	0.562

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		1.5	0.8	6.75	20.75	6.39	1.26	0.540
		2	1.1	3.97	20.79	6.38	1.23	0.508
		2.5	1.4	2.66	20.74	6.37	1.30	0.478
		3	1.6	2.47	20.85	6.36	1.40	0.458
		3.5	1.9	2.15	20.78	6.35	1.51	0.451
		4	2.2	1.76	20.79	6.35	1.66	0.449
		4.5	2.5	1.57	20.86	6.36	1.82	0.450
		5	2.7	1.96	20.86	6.36	2.00	0.447
		5.25	2.9	2.15	20.83	6.36	2.13	0.446
		5.5	3.0	1.86	20.75	6.36	2.26	0.446
MW-19	Apr-12	0.25	0.1	28	22.01	5.73	0.69	0.238
		0.3	0.2	27.3	22.19	5.83	0.62	0.234
		0.5	0.3	23.5	22.31	5.91	0.55	0.228
		0.75	0.4	22.8	21.83	5.67	0.5	0.215
		1	0.5	21.1	21.64	5.63	0.48	0.218
		1.3	0.7	13.5	21.70	5.81	0.46	0.22
		1.5	0.8	12.1	21.53	5.73	0.45	0.219
		1.75	1.0	7.98	21.50	5.75	0.42	0.221
		2	1.1	6.87	21.47	5.78	0.4	0.225
		2.25	1.2	6.25	21.41	5.87	0.37	0.227
		2.5	1.4	5.89	21.33	5.73	0.33	0.228
		3	1.6	6.31	21.28	5.85	0.31	0.23
		3.25	1.8	6.78	21.15	5.83	0.28	0.229
		3.5	1.9	6.96	21.09	5.84	0.28	0.231
		3.75	2.0	6.41	21.14	5.84	0.26	0.231
		4	2.2	6.12	21.16	5.83	0.24	0.23
		4.25	2.3	6.32	21.29	5.92	0.24	0.231
		4.5	2.4	5.72	21.30	5.97	0.22	0.232
		4.75	2.6	5.12	21.18	5.85	0.22	0.235
		5	2.7	5.56	21.06	5.87	0.21	0.235
		5.25	2.9	6.02	21.03	5.88	0.21	0.236
		5.5	3.0	6.1	20.98	5.87	0.2	0.236
	Oct-12	0.13	0.1	--	22.81	6.57	1.44	0.556
		1.25	0.7	80.1	22.46	6.13	0.38	0.582
		2.5	1.4	--	22.15	5.73	0.29	0.581
		3.75	2.1	--	22.18	6.01	0.28	0.576
		5	2.8	31.4	22.20	6.1	0.25	0.570
		6.25	3.5	--	22.20	6.11	0.23	0.550
		7.5	4.2	17	22.12	6.05	0.41	0.503
		8.75	4.9	--	22.10	6.07	0.25	0.469
		10	5.6	5.98	22.10	6.05	0.23	0.450
		11.25	6.3	--	21.99	6.06	0.2	0.436
		12.5	7.0	2.84	22.07	6.02	0.19	0.426
		13.75	7.7	--	21.99	6.06	0.17	0.420
		15	8.4	1.82	21.99	6.08	0.18	0.415
		16.25	9.1	--	22.00	6.06	0.17	0.413
		17.5	9.8	1.52	21.95	6.1	0.17	0.412
		18.75	10.5	--	21.92	6.05	0.18	0.414
		20	11.2	1.02	21.95	6.08	0.16	0.411
		21.25	11.9	0.98	21.93	6.06	0.17	0.409
	Apr-13	0.00	0.00	116	20.46	5.55	4.07	0.190
		0.50	0.28	20.10	21.03	5.82	3.30	0.159
		1.00	0.56	7.76	21.05	5.93	3.40	0.157
		1.50	0.84	7.49	21.10	5.95	3.67	0.155
		2.00	1.12	6.76	20.98	5.92	3.99	0.152
		3.50	1.95	7.00	21.13	5.99	3.79	0.160
		5.00	2.79	6.02	21.16	5.99	3.87	0.161
		6.50	3.63	6.35	21.17	5.98	4.01	0.157
MW-20	Apr-13	1.50	0.84	94.10	16.41	5.09	3.85	0.172
		2.50	1.39	50.30	16.44	5.05	3.90	0.163
		3.50	1.95	33.10	16.55	5.05	4.01	0.160
		4.50	2.51	23.70	16.53	5.09	4.07	0.159
		5.50	3.07	16.70	16.55	5.09	4.09	0.158
		5.60	3.12	10.48	16.58	5.10	4.11	0.156
		5.11	2.85	9.02	16.59	5.11	4.09	0.157
	Oct-13	0.10	0.06	86.00	16.50	7.35	0.59	0.387
		2.50	1.39	52.00	16.65	5.82	6.63	0.062
		4.00	2.23	9.78	16.65	5.71	7.07	0.053
		5.00	2.79	8.12	16.67	5.66	7.23	0.050
		5.50	3.07	6.26	16.67	5.64	7.33	0.048
		6.50	3.63	6.31	16.67	5.64	7.39	0.048
	Apr-14	1.50	0.84	<1000	16.51	6.70	1.82	0.493
		2.00	1.12	<1000	16.90	6.24	2.62	0.274
		2.50	1.39	719	17.08	5.69	4.73	0.171
		3.00	1.67	222	17.50	5.12	6.52	0.078
		5.00	2.79	68.1	17.07	5.00	6.86	0.057
		6.00	3.35	54.0	17.10	5.03	6.90	0.055
		7.00	3.90	52.0	16.97	5.03	6.91	0.055
i		8.00	4.46	53.9	16.92	5.03	6.91	0.055

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
MW-21	Apr-14	0.50	0.28	153	17.30	6.32	1.91	0.281
		1.75	0.98	159	17.69	6.19	1.61	0.265
		2.50	1.39	180	17.11	6.15	1.56	0.263
		3.00	1.67	89	17.28	6.18	1.53	0.261
		4.00	2.23	63	17.40	6.10	1.40	0.253
		4.40	2.45	50	17.00	6.12	1.58	0.252
		4.60	2.57	59	16.62	6.13	1.87	0.260
		5.00	2.79	35	16.79	6.11	1.93	0.256
		5.25	2.93	28	16.62	6.08	2.08	0.259
		5.75	3.21	16	17.70	6.14	1.62	0.259
		6.50	3.63	10.60	17.92	6.11	1.62	0.259
		6.90	3.85	9.93	17.53	6.11	1.62	0.259
		7.20	4.02	5.23	17.51	6.12	1.62	0.259
MW-A	Sep-06[d]	2	1.5	380	23.98 C	7.59	2.78	0.927
		3	2.3	120	20.38 C	7.84	2.72	0.925
		5	3.8	68	20.36 C	7.97	4.61	0.901
		6	4.6	34	20.33 C	7.98	4.66	0.908
		>6	well dry					
MW-B	Jul-06	19.8	13.2	114	21.94 C	5.91	9.00	0.049
		20.2	13.5	44.7	21.57 C	5.83	8.43	0.048
		21	14.0	38.7	21.76 C	6.05	7.70	0.051
		21.8	14.5	30	22.97 C	6.24	6.60	0.057
		22	14.7	18	23.90 C	6.24	6.51	0.057
		22.2	14.8	9.1	24.16 C	6.24	6.43	0.057
MW-C	Jul-06	1	0.67	39.6	21.76 C	6.73	3.71	0.286
		2	1.3	34.8	20.81 C	6.62	2.36	0.183
		3	2.0	40.4	20.12 C	6.63	2.37	0.253
		3.5	2.3	33.7	20.51 C	6.61	1.95	0.259
		4	2.7	42	19.99 C	6.61	2.36	0.257
		4.5	3.0	31.6	20.30 C	6.61	2.51	0.253
		5	4.4	30.4	19.97 C	6.61	2.47	0.256
MW-D	Jan-08	2.5	1.6	967	21.49 C	6.72	5.28	1.280
		3.5	2.3	658	21.24 C	6.79	5.62	2.020
		4.5	2.9	104	21.27 C	6.74	5.63	2.180
		4.8	3.1	68	21.33 C	6.75	5.64	2.010
		5.5	3.6	44	21.34 C	6.75	5.64	2.080
OW-72	Apr-07	5	0.5	163	18.02 C	6.07	0.40	0.355
		15	1.5	59.9	18.11 C	6.04	0.24	0.390
		25	2.5	56.7	19.26 C	6.02	0.58	0.980
		28	2.8	22.6	18.91 C	5.99	0.61	0.405
		29	2.9	24.2	18.70 C	6.06	0.80	0.408
		29.5	3.0	16.2	19.16 C	6.02	0.44	0.408
		30	3.0	11.9	19.32 C	6.05	0.43	0.407
		30.5	3.1	9.65	18.76 C	6.05	0.44	0.406
	Oct-07	0.5	0.1	153	18.15 C	6.06	1.01	0.374
		2	0.2	131	19.08 C	5.99	0.42	0.378
		2.4	0.3	83	19.32 C	5.99	0.39	0.380
		3	0.3	49	19.59 C	5.99	0.42	0.384
		3.2	0.4	47	19.68 C	5.99	0.43	0.384
		4	0.4	31	19.66 C	5.99	0.35	0.386
		4.5	0.5	20	19.79 C	5.98	0.27	0.385
		5	0.6	17.4	19.43 C	6.00	0.24	0.386
		5.8	0.6	14.4	19.24 C	5.99	0.24	0.389
		6.5	0.7	11.4	19.83 C	5.99	0.22	0.387
		7.3	0.8	8	19.62 C	6.00	0.21	0.390
	Apr-08	0.5	0.1	384	19.21 C	6.68	2.10	0.183
		1	0.1	231	18.79 C	6.48	1.54	0.183
		1.5	0.2	125	19.54 C	6.40	1.21	0.184
		2	0.2	67.2	19.16 C	6.33	0.77	0.215
		3	0.3	42.3	19.29 C	6.17	0.74	0.238
		4	0.4	50.4	19.35 C	6.12	0.68	0.267
		5	0.5	32.4	19.38 C	6.06	0.53	0.299
		6	0.6	21.1	19.29 C	6.05	0.44	0.322
		7	0.7	15.8	19.22 C	5.97	0.42	0.335
		7.5	0.8	13.3	19.37 C	5.95	0.37	0.342
		8	0.8	7.24	19.26 C	5.94	0.51	0.350
	Oct-08	1.5	0.2	457	18.3 C	7.45	1.61	0.444
		3	0.3	242	18.56 C	7.35	1.56	0.401
		5	0.6	119	18.44 C	7.25	1.21	0.404
		7	0.8	138	18.47 C	7.20	0.98	0.404
		9	1.0	50.5	18.46 C	7.11	0.78	0.408
		11	1.2	46.8	18.41 C	7.06	0.68	0.412
		13	1.4	44.9	18.37 C	6.97	0.62	0.412
		15	1.7	32.4	18.35 C	6.93	0.59	0.413
		17	1.9	31.8	18.36 C	6.90	0.58	0.415
		18	2.0	41.8	18.39 C	6.86	0.54	0.417
		19	2.1	18.3	18.55 C	6.85	0.51	0.418
		20	2.2	15.1	18.49 C	6.78	0.50	0.418
		21	2.3	13.8	18.45 C	6.74	0.48	0.422

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		22	2.4	10.4	18.45 C	6.68	0.47	0.423
		23	2.5	8.79	18.46 C	6.68	0.46	0.424
	Apr-09	0.25	0.0	146	17.92	6.39	5.65	0.132
		0.5	0.1	161	18.07 C	6.35	5.02	0.135
		0.75	0.1	221	18.49 C	6.36	4.44	0.136
		1.5	0.2	150	18.67 C	6.34	3.75	0.139
		2	0.2	60.1	19.03 C	6.34	2.81	0.150
		2.5	0.3	41.1	18.86 C	6.29	2.29	0.169
		3.25	0.3	23.6	18.74 C	6.22	1.70	0.198
		4	0.4	17.9	18.72 C	6.16	1.20	0.233
		5	0.5	15.8	18.84 C	6.12	0.94	0.260
		6	0.6	10.8	18.89 C	6.10	0.78	0.283
		7	0.7	7.03	18.96 C	6.07	0.75	0.302
		7.75	0.8	19.8	18.91 C	6.06	0.88	0.318
		8.5	0.9	18.6	18.97 C	6.04	0.75	0.328
		9.25	1.0	8.03	18.92 C	6.04	0.67	0.334
	Oct-09	0.5	0.1	252	18.69 C	7.95	3.12	0.145
		1	0.1	240	18.4 C	7.04	2.40	0.148
		1.75	0.2	361	18.46 C	6.64	1.72	0.173
		2.5	0.3	162	18.42 C	6.32	1.14	0.218
		3.25	0.3	65.3	18.46 C	6.16	0.89	0.261
		4	0.4	38.5	18.51 C	6.10	0.78	0.283
		5	0.5	33.7	18.57 C	6.11	0.72	0.292
		5.75	0.6	25.3	18.53 C	6.12	0.62	0.307
		6.5	0.7	15.3	18.58 C	6.13	0.47	0.335
		7.25	0.8	11.9	18.55 C	6.14	0.42	0.336
		8	0.8	10.25	18.54 C	6.19	0.46	0.343
		8.75	0.9	41.3	18.53 C	6.19	0.43	0.342
		10	1.0	14.8	18.53 C	6.22	0.41	0.343
		10.75	1.1	10.49	18.53 C	6.27	0.37	0.357
		11.5	1.2	8.62	18.55 C	6.31	0.35	0.362
		12.25	1.3	7.19	18.57 C	6.34	0.33	0.369
OW-72	Apr-10[a]	0.75	0.1	246	18	6.20	0.96	0.106
		2	0.2	182	19.13	6.43	0.44	0.107
		3.25	0.3	71.6	19.36	6.28	0.35	0.163
		4.5	0.4	49.8	19.41	6.18	0.40	0.318
		6	0.6	32.4	19.38	6.16	0.41	0.364
		7.25	0.7	34.4	19.44	6.12	0.40	0.370
		8.5	0.8	16.9	19.46	6.11	0.69	0.394
		9.5	0.9	243	19.55	6.09	0.55	0.390
		11.5	1.1	16.2	19.51	6.06	0.76	0.396
		12.75	1.3	13.8	19.59	6.07	0.78	0.358
		14.25	1.4	4.12	19.25	6.03	0.89	0.407
		16	1.6	12.9	19.2	6.03	1.12	0.416
		16.75	1.7	6.59	19.35	6.02	1.12	0.418
		17.5	1.7	8.71	19.48	6.02	1.09	0.419
	Oct-10	0.75	0.1	149	18.76	6.02	0.21	0.501
		2	0.2	180	19.23	6.04	0.51	0.490
		6.5	0.7	23.9	18.87	6.02	0.59	0.462
		10.25	1.0	13.3	18.82	5.99	0.73	0.454
		11.5	1.2	12.6	18.80	5.98	0.77	0.453
		12.75	1.3	9.44	18.84	5.98	0.79	0.452
	Apr/11[a]	1	0.1	84.9	18.30	5.81	3.33	0.465
		2.5	0.3	70.5	18.85	5.83	3.24	0.459
		3.75	0.4	67.1	19.10	5.83	2.92	0.441
		5.5	0.6	291	19.26	5.83	2.78	0.438
		6.75	0.7	119	19.23	5.82	4.29	0.432
		7.75	0.8	38.7	19.30	5.81	5.27	0.434
		10	1.1	19.9	19.39	5.81	5.51	0.434
		12	1.3	9.54	19.42	5.82	4.66	0.437
		13.5	1.5	6.75	19.47	5.81	4.58	0.436
		14	1.5	5.65	19.51	5.81	4.45	0.436
		14.75	1.6	4.32	19.62	5.82	4.23	0.436
	Oct-11	1	0.1	49.6	18.04	5.64	0.82	0.470
		2	0.2	40.5	18.66	5.98	0.64	0.469
		3	0.3	30.5	18.79	6.01	0.49	0.459
		4	0.4	24.1	18.80	5.96	0.36	0.444
		5	0.5	19.4	18.78	5.98	0.30	0.432
		6	0.7	16.4	18.70	5.96	0.25	0.424
		7.5	0.8	16.1	18.77	6.02	0.24	0.418
		9	1.0	15.3	18.80	6.01	0.22	0.419
		10.5	1.2	12.5	18.83	5.99	0.21	0.422
		12	1.3	9.73	18.75	5.99	0.19	0.423
		13.5	1.5	8.65	18.77	5.96	0.18	0.422
		15	1.6	8.71	18.79	5.97	0.18	0.422
		16.5	1.8	7.81	18.82	5.97	0.17	0.417
		18	2.0	6.95	18.79	5.95	0.16	0.417
		19.5	2.1	6.18	18.77	5.95	0.15	0.417
		21	2.3	5.23	18.84	5.99	0.14	0.419

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
	Oct-11	22.5	2.5	4.06	18.77	5.98	0.13	0.420
		24	2.6	4.19	18.63	5.96	0.13	0.422
		25.5	2.8	5.30	18.73	5.99	0.13	0.421
		27	3.0	5.09	18.69	5.95	0.12	0.419
		28.5	3.1	4.44	18.71	5.95	0.11	0.422
	Apr-12	2.5	0.3	54.3	18.83	4.82	0.49	0.429
		4	0.4	53.6	18.95	5.61	0.36	0.383
		5	0.5	40.6	19.01	5.83	0.32	0.359
		6	0.7	22.6	19.02	5.83	0.27	0.379
		7.5	0.8	16.6	19.02	5.83	0.22	0.390
		9	1.0	13.2	19.02	5.83	0.19	0.395
		10	1.1	8.25	19.05	5.84	0.17	0.400
		11	1.2	5.67	19.04	5.85	0.16	0.402
		12	1.3	3.93	19.05	5.82	0.15	0.404
		13	1.4	2.76	19.06	5.83	0.14	0.406
		14	1.5	2.65	19.08	5.86	0.14	0.407
		15.5	1.7	2.29	19.12	5.83	0.13	0.407
		16.5	1.8	2.15	19.13	5.84	0.13	0.408
		17.5	1.9	2.1	18.99	5.79	0.13	0.408
		18.75	2.0	2.04	18.92	5.81	0.12	0.408
		20	2.2	2.02	19.25	5.84	0.12	0.409
		21	2.3	2.12	18.90	5.79	0.12	0.408
		22.5	2.4	2.15	18.96	5.81	0.12	0.409
		23.5	2.5	2.1	19.00	5.84	0.12	0.41
		24.5	2.7	2.05	19.06	5.78	0.11	0.41
		25.5	2.8	2.03	19.25	5.84	0.11	0.411
		26.5	2.9	2.07	19.14	5.83	0.11	0.411
		28	3.0	1.97	19.27	5.87	0.11	0.411
	Oct-12	1	0.1	44.6	20.80	5.86	0.56	0.415
		3.5	0.4	31.6	21.44	5.92	0.41	0.394
		6	0.7	19.6	21.12	5.94	0.35	0.39
		8	0.9	7.42	21.34	5.96	0.23	0.395
		10	1.1	3.26	21.23	5.95	0.2	0.398
		12	1.4	2.04	21.46	5.97	0.21	0.399
		14	1.6	1.53	21.23	5.99	0.2	0.399
		16	1.8	1.47	21.31	6.02	0.2	0.403
		18	2.1	1.49	21.39	6.04	0.15	0.404
		20	2.3	1.51	21.25	6.04	0.17	0.404
		22	2.5	1.38	21.24	6.00	0.17	0.405
		24	2.7	1.3	21.31	6.01	0.14	0.404
		25	2.9	1.36	21.51	5.99	0.15	0.404
		26	3.0	1.42	21.16	6.00	0.12	0.405
	Apr-13	2.50	0.29	69.10	18.98	5.80	0.32	0.319
		5.50	0.63	32.60	19.04	5.77	0.22	0.327
		8.00	0.91	13.20	19.04	5.78	0.17	0.355
		10.50	1.20	7.64	19.15	5.81	0.14	0.367
		12.50	1.43	6.78	19.12	5.82	0.13	0.376
		16.00	1.83	2.92	19.31	5.82	0.11	0.384
		18.00	2.06	2.70	19.27	5.83	0.10	0.387
		21.00	2.40	2.65	19.53	5.85	0.10	0.389
		23.00	2.63	2.01	19.37	5.83	0.09	0.391
		26.00	2.97	2.03	19.55	5.84	0.08	0.393
		28.00	3.20	1.75	19.68	5.85	0.08	0.393
OW-72	Oct-13	2.00	0.23	28.00	19.05	6.22	0.09	245.000
		11.00	1.26	11.00	19.48	6.15	0.06	369.000
		17.00	1.94	10.00	19.76	6.12	0.04	403.000
		20.00	2.29	1.30	19.39	6.13	0.06	376.000
		25.00	2.86	0.83	19.48	6.11	0.03	383.000
		32.00	3.66	0.17	19.39	6.11	0.02	394.000
		35.00	4.00	0.00	19.35	6.10	0.02	396.000
		37.00	4.23	0.00	19.30	6.10	0.01	394.000
		40.00	4.57	0.00	19.30	6.10	0.01	396.000
	Apr-14	4.00	0.46	17.9	17.81	6.13	0.18	0.241
		7.00	0.80	8.60	18.27	6.06	0.20	0.372
		11.00	1.26	3.18	18.19	6.04	0.30	0.389
		15.00	1.71	2.91	18.12	6.03	0.26	0.422
		19.00	2.17	0.72	18.17	6.03	0.22	0.434
		23.00	2.63	0.31	18.05	6.02	0.19	0.443
		27.00	3.09	0.08	18.10	6.02	0.20	0.442
		31.00	3.54	0.03	19.04	6.02	0.18	0.442
OW-74A	Apr-07	4	0.4	604	17.34 C	5.52	1.16	0.221
		6	0.6	126	17.27 C	5.50	0.54	0.221
		10	1.0	70.5	17.14 C	5.49	0.44	0.223
		16	1.5	37.4	17.06 C	5.47	0.38	0.224
		24	2.3	15.2	17.10 C	5.53	0.63	0.224
		32	3.0	7.63	17.17 C	5.47	0.48	0.225
	Oct-07[a]	0.4	0.1	1030	17.64 C	5.82	0.87	0.192
		2.1	0.3	154	17.42 C	5.60	0.34	0.220
		4	0.5	173	17.43 C	5.58	0.30	0.222

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		5.5	0.7	96.4	17.47 C	5.58	0.27	0.223
		7.8	1.0	128	17.35 C	5.56	0.24	0.222
		10	1.3	96	17.29 C	5.56	0.22	0.223
		12.2	1.6	93	17.33 C	5.57	0.22	0.223
		14.7	1.9	49.5	17.22 C	5.56	0.20	0.223
		16.2	2.1	25	17.41 C	5.58	0.41	0.223
		18	2.3	10.3	17.27 C	5.56	0.27	0.223
		20.5	2.6	23.4	17.38 C	5.55	0.21	0.223
		22.2	2.8	15.5	17.55 C	5.58	0.22	0.223
		24.5	3.1	16.1	17.28 C	5.56	0.20	0.223
		26.3	3.3	12.6	17.43 C	5.56	0.21	0.223
		27.1	3.4	12.2	17.63 C	5.57	0.21	0.223
		28	3.6	10.9	17.34 C	5.55	0.20	0.223
		28.8	3.7	9.3	17.35 C	5.54	0.20	0.223
	Apr-08	1.5	0.2	478	17.33 C	5.47	1.25	0.225
		3.5	0.4	160	17.39 C	5.42	0.66	0.217
		5	0.6	37.1	17.36 C	5.37	0.48	0.223
		7	0.9	30.3	17.39 C	5.35	0.40	0.225
		8.5	1.1	23.1	17.54 C	5.35	0.36	0.227
		10	1.3	20.7	17.53 C	5.33	0.33	0.227
		11	1.4	24.8	17.69 C	5.34	0.31	0.227
		11.5	1.5	27.5	17.82 C	5.39	0.50	0.228
		12.5	1.6	18.6	17.71 C	5.33	0.31	0.227
		13.5	1.7	18.2	17.61 C	5.32	0.29	0.227
		15	1.9	34.3	17.4 C	5.30	0.28	0.227
		16	2.0	19.1	17.44 C	5.32	0.26	0.227
		16.5	2.1	9.56	17.44 C	5.30	0.40	0.227
	0ct-08	0.5	0.1	334	16.75 C	6.98	1.30	0.236
		1	0.1	321	16.90 C	6.52	1.83	0.230
		2.5	0.3	165	16.87 C	6.38	1.55	0.221
		4	0.5	35.8	16.88 C	6.17	1.19	0.224
		5.5	0.7	19.3	16.92 C	6.13	1.00	0.229
		7	0.9	11.3	16.90 C	6.05	0.89	0.232
		8.5	1.1	8.44	16.90 C	6.04	0.85	0.232
	Apr-09[a]	1.5	0.1	256	16.9 C	6.02	7.53	0.078
		5	0.5	114	16.96 C	5.68	4.21	0.158
		7.5	0.7	89.7	16.84 C	5.63	2.81	0.185
		9	0.9	226	16.59 C	5.63	2.17	0.194
		11.25	1.1	180	16.8 C	5.63	2.08	0.194
		12.5	1.2	33.6	16.75 C	5.61	2.66	0.196
		13	1.3	19.8	16.74 C	5.59	1.87	0.205
		13.5	1.3	20.9	16.78 C	5.59	1.69	0.206
		14.25	1.4	17.4	16.53 C	5.60	1.59	0.207
		14.75	1.4	15.2	16.21 C	5.57	1.54	0.208
		15.25	1.5	12.9	16.12 C	5.58	1.56	0.209
		15.75	1.5	13.8	16.14 C	5.59	1.80	0.209
		16.25	1.6	16.3	16.16 C	5.59	1.83	0.209
		16.5	1.6	32.3	16.11 C	5.59	2.14	0.209
		17	1.7	15	17.07 C	5.54	1.40	0.210
		17.5	1.7	7.82	17.16 C	5.56	1.24	0.210
	0ct-09	1.25	0.2	163.2	17.02 C	5.33	3.13	0.159
		2.5	0.3	51	16.98 C	5.17	3.53	0.135
		3.75	0.5	20.3	16.94 C	5.00	2.43	0.176
		4.75	0.6	12.06	16.95 C	4.99	2.08	0.185
		5.25	0.7	9.74	16.95 C	5.00	1.92	0.189
		7	0.9	8.14	16.94 C	5.00	1.76	0.190
	Apr-10	1	0.1	95.5	16.95	5.37	0.88	0.194
		2.5	0.3	53.1	17	5.42	1.37	0.184
		3.5	0.4	31.7	17.01	5.44	0.87	0.208
		4.75	0.6	20.6	17.02	5.45	0.70	0.217
		6	0.7	12.3	17.02	5.45	0.61	0.215
		7.5	0.9	11.3	17.03	5.45	0.50	0.221
		9	1.1	9.63	17.02	5.45	0.46	0.222
	Oct-10	0.25	0.0	58.6	17.35	5.83	1.52	0.152
		1.25	0.1	36.5	17.45	5.61	0.64	0.245
		2	0.2	19.5	17.53	5.57	0.55	0.226
		3	0.3	9.72	17.39	5.60	0.48	0.231
		4	0.4	9.63	17.42	5.61	0.47	0.236
	Apr-11	2.5	0.2	134	16.99	5.64	2.64	0.239
		4	0.4	42.4	17.05	5.70	2.54	0.229
		5	0.5	22.5	17.07	5.69	2.72	0.246
		7	0.7	21.5	17.06	5.68	2.53	0.249
		9	0.9	17.4	17.07	5.68	2.63	0.249
		10	0.9	11.5	17.09	5.67	2.73	0.247
		11.5	1.1	6.94	17.09	5.66	2.73	0.247
		12.5	1.2	7.80	17.08	5.67	2.77	0.249
		13.5	1.3	6.99	17.08	5.66	2.79	0.248
OW-74A	Oct-11	3.5	0.5	217	16.97	4.99	0.97	0.230
		7	0.9	153	16.98	5.18	0.71	0.238

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		10.5	1.4	68.1	16.99	5.23	0.53	0.237
		14	1.9	48.9	16.96	5.25	0.43	0.236
		17.5	2.4	34.6	16.97	5.28	0.39	0.238
		21	2.8	24.5	16.96	5.26	0.37	0.237
		24.5	3.3	11.7	16.95	5.27	0.35	0.237
	Apr-12	1.5	0.2	134	16.94	5.57	0.79	0.225
		3	0.4	67	17.13	5.55	0.65	0.22
		4	0.5	30.3	17.12	5.54	0.56	0.225
		5	0.7	19.2	17.20	5.54	0.42	0.227
		6	0.8	10.9	17.25	5.53	0.37	0.229
		7	0.9	8.39	17.29	5.53	0.34	0.232
		8.5	1.1	7.31	17.27	5.52	0.31	0.233
		10	1.3	7.04	17.30	5.51	0.30	0.233
		11	1.4	7.6	17.31	5.51	0.29	0.234
		12.5	1.6	7.75	17.33	5.51	0.29	0.233
		14	1.8	7.72	17.34	5.50	0.28	0.233
		15	2.0	7.34	17.37	5.50	0.28	0.234
		16	2.1	4.87	17.37	5.50	0.27	0.234
		17.5	2.3	4.43	17.39	5.50	0.27	0.234
		19	2.5	4.52	17.40	5.50	0.27	0.234
		20	2.6	4.42	17.41	5.49	0.27	0.234
		21	2.8	4.4	17.42	5.49	0.27	0.234
		23	3.0	4.37	17.42	5.49	0.27	0.234
	Oct-12	1	0.1	128	16.84	5.26	0.98	0.236
		2	0.3	49.2	17.07	5.44	0.86	0.222
		4	0.6	15.1	17.20	5.49	0.81	0.225
		5	0.7	10.93	17.14	5.43	0.74	0.231
		6	0.8	8.54	17.25	5.48	0.61	0.232
		7	1.0	8.59	17.19	5.50	0.52	0.234
		8	1.1	8.47	17.20	5.52	0.50	0.236
		9	1.3	8.2	17.21	5.50	0.53	0.237
		10	1.4	8.15	17.22	5.51	0.53	0.238
		11	1.6	8.12	17.29	5.52	0.45	0.237
		12	1.7	8.11	17.26	5.50	0.50	0.239
	Oct-12	13	1.8	6.96	17.33	5.52	0.49	0.238
		14	2.0	5.74	17.33	5.52	0.49	0.238
		15	2.1	5.59	17.39	5.51	0.46	0.237
		16	2.3	5.47	17.49	5.54	0.48	0.237
		17	2.4	5.52	17.40	5.53	0.44	0.238
		18	2.5	4.08	17.52	5.53	0.42	0.237
		19	2.7	3.98	17.57	5.50	0.48	0.237
		20	2.8	3.8	17.63	5.52	0.42	0.235
		21	3.0	2.85	17.67	5.53	0.41	0.239
		22	3.1	2.15	17.81	5.51	0.40	0.238
	Apr-13	2.0	0.3	41.8	17.24	5.13	1.35	0.197
		4.5	0.6	19.7	17.40	5.21	0.63	0.217
		6.0	0.8	9.18	17.26	5.36	0.59	0.220
		9.0	1.3	7.46	17.38	5.37	0.46	0.220
		11	1.6	7.14	17.39	5.42	0.49	0.221
		16	2.3	4.72	17.30	5.48	0.46	0.221
		21	3.0	4.13	17.29	5.55	0.44	0.221
		22.5	3.2	2.03	17.33	5.50	0.44	0.220
		24	3.4	1.79	17.32	5.51	0.44	0.221
	Oct-13	3	0.4	41	16.31	5.85	3.18	115
		11	1.6	64	17.48	5.72	0.50	227
		20	2.8	11	19.88	5.70	0.10	239
		27	3.8	9.89	19.66	5.70	0.13	245
		31	4.4	8.70	19.52	5.69	0.14	245
		35	4.9	6.13	19.78	5.69	0.15	245
	14-Apr	3	0.423728814	2.43	16.50	5.67	2.43	0.164
		5	0.706214689	1.54	16.77	5.67	1.54	0.197
		6	0.847457627	0.95	16.66	5.65	0.95	0.229
		8	1.129943503	0.66	16.83	5.64	0.66	0.234
		11	1.553672316	0.45	17.02	5.64	0.45	0.246
		13	1.836158192	0.6	17.70	5.63	0.60	0.243
		18	2.542372881	0.38	16.79	5.62	0.60	0.244
		22	3.107344633	0.33	16.76	5.60	0.38	0.245
		27	3.813559322	0.33	16.85	5.60	0.33	0.245
		30	4.237288136	0.31	16.75	5.61	0.31	0.245
		32	4.519774011	0.31	16.77	5.61	0.31	0.245
IW-4	Oct-08	0.1	0.2	> 1000	18.44 C	7.65	4.78	1.474
		0.2	0.5	> 1000	15.88 C	7.70	4.47	1.876
		0.4	0.9	> 1000	17.57 C	7.41	7.03	2.251
	Apr-09[a]	0	0.0		17.13 C	6.95	2.21	1.938
		0.05	0.1		16.53 C	6.95	2.16	0.928
		0.1	0.1		16.42 C	6.94	2.01	1.925
		0.15	0.2		16.22 C	6.95	1.97	1.923
		0.2	0.2		16.05 C	6.94	1.98	1.921
		0.2	0.2		15.91 C	6.93	1.77	1.919

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
IW-4		0.2	0.2		16.09 C	6.93	1.83	1.916
		0.25	0.3	88.8	16.13 C	6.93	1.75	1.910
		0.25	0.3	83.9	16.17 C	6.92	1.65	1.907
		0.3	0.4	78.3	16.16 C	6.92	1.52	1.906
		0.7	0.8	47.1	16.6 C	6.94	1.83	1.867
		0.74	0.9	43.6	16.84 C	6.94	1.65	1.866
		0.79	0.9	42.3	16.99 C	6.93	1.49	1.863
		0.83	1.0	39.2	17.32 C	6.92	1.28	1.857
		0.87	1.0	37.6	17.86 C	6.92	1.15	1.850
		0.92	1.1	31.6	18.55 C	6.92	0.99	1.844
		0.96	1.1	28.7	19.69 C	6.94	0.87	1.843
		1.1	1.3	28.9	20.71 C	6.93	0.86	1.838
		1.15	1.4	26.1	21.3 C	6.94	0.80	1.835
		1.2	1.4	23.6	21.67 C	6.93	0.66	1.831
		1.24	1.5	18.1	21.87 C	6.93	0.68	1.823
		1.28	1.5	16.7	22.07 C	6.92	0.64	1.816
		1.32	1.6	16.6	22.28 C	6.92	0.65	1.808
		1.36	1.6	14	22.4 C	6.92	0.59	1.802
		1.41	1.7	13.9	22.46 C	6.91	0.60	1.790
		1.46	1.7	12.4	22.63 C	6.91	0.54	1.788
		1.6	1.9	12.2	22.91 C	6.91	0.52	1.784
		1.65	1.9	11.2	23.22 C	6.92	0.48	1.774
		1.7	2.0	10.7	23.47 C	6.92	0.46	1.780
		1.72	2.0	10.1	23.46 C	6.92	0.47	1.772
		1.74	2.0	9.7	23.42 C	6.92	0.47	1.773
	Oct-09	0.2	0.2	57.3	18.94 C	6.67	1.81	1.311
		0.5	0.4	27.3	18.85 C	6.51	1.11	1.220
		0.8	0.7	20.2	19.09 C	6.50	0.99	1.217
		1	0.8	14.4	19.14 C	6.49	0.88	1.220
		1.15	1.0	11.1	19.14 C	6.49	0.79	1.221
		1.3	1.1	10.8	19.19 C	6.49	0.68	1.225
		1.35	1.1	9.1	19.21 C	6.48	0.65	1.225
	Oct-11	0.1	0.4	>1000	21.37	6.77	9.42	1.056
		0.13	0.5	>1000	21.46	6.76	9.90	1.051
		0.14	0.5	>1000	21.08	6.75	10.08	1.044
		0.16	0.6	>1000	21.00	6.74	10.33	1.036
		0.19	0.7	579	21.14	6.74	10.71	1.025
		0.23	0.8	650	21.40	6.75	12.17	1.021
		0.25	0.9	>1000	21.62	6.73	12.66	1.051
		0.27	1.0	>1000	21.90	6.72	12.69	1.002
		0.29	1.0	590	22.04	6.70	13.01	0.988
		0.3	1.1	650	22.17	6.69	14.18	0.976
		0.31	1.1	350	22.23	6.67	14.62	0.963
		0.32	1.1	250	22.28	6.68	14.79	0.957
	Nov-11	0.05	0.2	>1000	16.86	6.80	2.97	1.084
		0.1	0.5	>1000	17.32	6.86	2.56	1.031
		0.2	0.9	730	17.28	6.75	1.40	0.991
	Apr-12	0.15	0.4	>1000	18.88	6.05	3.14	0.996
		0.25	0.7	>1000	18.47	6.45	3.03	0.891
		0.3	0.8	>1000	18.29	6.56	2.46	0.894
		0.32	0.9	>1000	18.39	6.60	1.81	0.888
		0.4	1.1	>1000	18.47	6.90	2.88	0.932
		0.42	1.2	>1000	18.46	6.81	2.77	0.900
		0.46	1.3	>1000	18.63	6.84	2.46	0.905
		0.48	1.3	>1000	18.60	6.98	3.41	0.919
		0.5	1.4	>1000	18.78	6.89	2.84	0.895
		0.53	1.5	>1000	18.74	6.89	3.18	0.884
		0.56	1.6	>1000	18.89	6.84	2.70	0.872
		0.58	1.6	>1000	18.94	6.90	2.95	0.878
		0.63	1.8	>1000	19.12	6.87	2.99	0.879
		0.65	1.8	>1000	19.01	7.02	3.73	0.902
		0.69	1.9	>1000	19.11	6.85	2.86	0.864
		0.72	2.0	>1000	20.14	6.94	3.62	0.857
		0.75	2.1	860	19.44	6.91	3.53	0.860
		0.85	2.4	875	20.16	6.85	3.18	0.859
		1.1	3.1	860	21.53	6.90	3.52	0.908
	Oct-12	Not sampled due to insufficient water						
	Apr-13	0.00	0.00	180.00	15.89	5.76	8.41	1.663
		0.50	1.39	95.00	16.76	6.37	0.98	1.601
		1.00	2.78	60.10	17.78	6.40	0.39	1.503
		1.40	3.89	44.20	17.86	6.42	0.27	1.385
		1.60	4.44	27.50	16.42	6.32	0.23	1.344
		1.80	5.00	24.80	16.77	6.39	0.21	1.307
		2.00	5.56	21.80	16.84	6.40	0.19	1.267
		2.20	6.11	19.00	16.88	6.40	0.17	1.233
		2.40	6.67	15.10	16.87	6.41	0.16	1.203
		2.60	7.22	12.70	17.02	6.40	0.15	1.179

Groundwater Sampling Field Data
Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2.70	7.50	9.48	17.20	6.41	0.14	1.173
		2.80	7.78	9.19	17.25	6.41	0.13	1.167
		2.90	8.06	8.02	17.35	6.41	0.14	1.162

[a] Water quality parameters were measured every five minutes. Where purging extended over an long period, data is shown at 10 minute intervals in this table until the last three measurements.

[b] At least five well volumes were removed in efforts to get the turbidity < 10 NTU prior to sampling.

[c] Water was visually clear.

[d] Purged well dry.

Appendix E: Laboratory Reports and Data Validation Forms *(on CD Rom)*

February 2014 MW-21 Sampling

Brown AND Caldwell : LABORATORY DATA VERIFICATION FORM

1. PROJECT INFORMATION

Today's Date: 3/12/14

Project Number: 145686.010.001 Project Name/Client: SaraLee

Project Manager: T. Reifenberger Sampled By: R. Jones

Laboratory: AES Order No.: 1402077

2. SAMPLE INFORMATION

Purpose of sampling: .

Total number of samples: 3

☑ Groundwater: 1 ☐ Soil: ____ ☐ Soil Gas: ____ ☑ Trip Blank: 1

☐ Surface water: ____ ☐ Sediment: ____ ☐ Other: ____ ☐ Field Blank: ____

☐ Drinking water: ____ ☐ Air: ____ ☐ Other: ____ ☑ Equip Blank: 1

Analyses requested: VOCs

Method detection limits (MDLs) or reporting limits (RLs) requested: NA

Duplicates: None

3. DATA VERIFICATION

Check yes or no. Refer to applicable Data Verification Guidelines to determine appropriate action.

☑ Yes ☐ No ☐ NA **Was the Chain of Custody intact?**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Were custody seals intact on samples bottles and/or coolers as necessary?**

If no: Notes: Sample labels placed over bottle top to provide seal.

☑ Yes ☐ No ☐ NA **Were cooler temperatures within the acceptable range of 0-6°C?**

If no: Notes: 3.1°C

☐ Yes ☐ No ☐ NA **Were samples physically and chemically preserved properly (i.e. no bubbles in VOC vials)**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Was the case narrative of the analytical report free of any quality issues, discrepancies, etc.?**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Were all samples labeled, analyzed, and reported correctly? (no samples held, no wrong analyses, etc.)**

If no: If within holding time, call lab immediately. Notes: ____

☐ Yes ☐ No ☐ NA **Were all samples analyzed within holding time?**

If no: Notes: ____

☐ Yes ☐ No ☐ NA **Were appropriate analytes reported?**

If no: Notes: ____

☐ Yes ☐ No ☑ NA **Were soil and/or sediment concentrations reported appropriately? (DW vs WW)**

If no: Call lab immediately to verify. Notes: ____

☐ Yes ☐ No ☑ NA **If analyzed for the following parameters, was the following true for all analytes?**

- ☐ Yes ☐ No ☑ NA Total metals ≥ Dissolved metals
- ☐ Yes ☐ No ☑ NA TKN > Organic nitrogen
- ☐ Yes ☐ No ☑ NA TKN > Ammonia (NH_3)
- ☐ Yes ☐ No ☑ NA COD > TOC
- ☐ Yes ☐ No ☑ NA COD > BOD

If no: Report to project manager and contact lab's QA/QC manager if needed. Notes: ____

☑ Yes ☐ No ☐ NA **Were method detection limits (MDL), reporting limits (RLs), and/or dilution factors appropriate?**

If no: Report to project manager and contact lab if needed. Notes: ____

☑ Yes ☐ No ☐ NA **Were surrogate % recoveries within the acceptable range of LCL ≤ x ≤ UCL?**

If no: Notes: ____

☐ Yes ☑ No ☐ NA **Were target analytes detected in any field, equipment, and/or laboratory blanks?**

If yes: Notes: ____

Brown AND Caldwell : **LABORATORY DATA VERIFICATION FORM**

☐ Yes ☐ No ☑ NA **Were any target analytes detected below practical quantitation limits (PQLs)?**
If yes: Notes: Reported to PQLs

☐ Yes ☑ No ☐ NA **Were any sample duplicates collected?**
If yes: Notes:

☐ Yes ☑ No ☐ NA **Were any laboratory duplicates reported for project samples?**
If yes: Notes:

☐ Yes ☑ No ☐ NA **Were any matrix spikes reported for project samples?**
If yes: Notes:

☑ Yes ☐ No ☐ NA **Were any laboratory control samples reported?**
If yes: Notes: No issues to report.

☐ Yes ☑ No ☐ NA **Were calibration standards reported?**
If yes: Notes:

4. COMMENTS & SUMMARY OF ACTIONS TAKEN (Attach additional pages if necessary)

No Actions Required.

SE Jones
Signature of Data Verifier

(Rev 3/14/13 - SEJ)

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 11, 2014

TRISH REIFENBERGER P.E.
BROWN AND CALDWELL
990 Hammond Drive
Atlanta GA 30328

TEL: (770) 673-3630
FAX: (770) 396-9495

RE: Sara Lee Smyrna

Dear TRISH REIFENBERGER P.E.: Order No: 1402O77

Analytical Environmental Services, Inc. received 3 samples on 2/28/2014 3:05:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Tara Esbeck

Tara Esbeck
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1402077

Date: 2-28-14 Page 1 of 1

COMPANY: Brown + Caldwell

ADDRESS: 999 Hammond Dr Ste 400 Atlanta GA 30328

PHONE: 770-673-3617

FAX:

SAMPLED BY: Ryan Jones

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOC 8260	PRESERVATION (See codes) H+I	REMARKS	No # of Containers
1	14059-EB ✓	2-28-14	0800	X		W	X	X		2
2	14059-MW-21 ✓	2-28-14	1315	X		GW	X	X		2
3	Trip Blank ✓	2-28-14	—	X		GW	X	X		2
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

ANALYSIS REQUESTED

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	2-28-14 1635	1: Courtney R	2/28/14 3:05p.
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Sara Lee

PROJECT #: 141054

SITE ADDRESS: Smyrna GA

SEND REPORT TO: Freifenberger@brwncald.com

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers: 6

Turnaround Time Request
- [X] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 11-Mar-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14059-EB
Project Name:	Sara Lee Smyrna	**Collection Date:**	2/28/2014 8:00:00 AM
Lab ID:	1402O77-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,1-Dichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,1-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,2-Dibromoethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,2-Dichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,2-Dichloropropane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
2-Butanone	BRL	50		ug/L	187764	1	03/07/2014 15:18	GK
2-Hexanone	BRL	10		ug/L	187764	1	03/07/2014 15:18	GK
4-Methyl-2-pentanone	BRL	10		ug/L	187764	1	03/07/2014 15:18	GK
Acetone	BRL	50		ug/L	187764	1	03/07/2014 15:18	GK
Benzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Bromodichloromethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Bromoform	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Bromomethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Carbon disulfide	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Carbon tetrachloride	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Chlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Chloroethane	BRL	10		ug/L	187764	1	03/07/2014 15:18	GK
Chloroform	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Chloromethane	BRL	10		ug/L	187764	1	03/07/2014 15:18	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Cyclohexane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Dibromochloromethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Dichlorodifluoromethane	BRL	10		ug/L	187764	1	03/07/2014 15:18	GK
Ethylbenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Freon-113	BRL	10		ug/L	187764	1	03/07/2014 15:18	GK
Isopropylbenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
m,p-Xylene	BRL	10		ug/L	187764	1	03/07/2014 15:18	GK
Methyl acetate	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Methylcyclohexane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Methylene chloride	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
o-Xylene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Mar-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14059-EB
Project Name:	Sara Lee Smyrna	**Collection Date:**	2/28/2014 8:00:00 AM
Lab ID:	1402O77-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Tetrachloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Toluene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Trichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Trichlorofluoromethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:18	GK
Vinyl chloride	BRL	2.0		ug/L	187764	1	03/07/2014 15:18	GK
Surr: 4-Bromofluorobenzene	96.9	66.2-120		%REC	187764	1	03/07/2014 15:18	GK
Surr: Dibromofluoromethane	101	79.5-121		%REC	187764	1	03/07/2014 15:18	GK
Surr: Toluene-d8	101	77-117		%REC	187764	1	03/07/2014 15:18	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Mar-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14059-MW-21
Project Name:	Sara Lee Smyrna	**Collection Date:**	2/28/2014 1:15:00 PM ✓
Lab ID:	1402O77-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,1-Dichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,1-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,2-Dibromoethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,2-Dichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,2-Dichloropropane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
2-Butanone	BRL	50		ug/L	187764	1	03/07/2014 15:45	GK
2-Hexanone	BRL	10		ug/L	187764	1	03/07/2014 15:45	GK
4-Methyl-2-pentanone	BRL	10		ug/L	187764	1	03/07/2014 15:45	GK
Acetone	BRL	50		ug/L	187764	1	03/07/2014 15:45	GK
Benzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Bromodichloromethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Bromoform	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Bromomethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Carbon disulfide	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Carbon tetrachloride	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Chlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Chloroethane	BRL	10		ug/L	187764	1	03/07/2014 15:45	GK
Chloroform	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Chloromethane	BRL	10		ug/L	187764	1	03/07/2014 15:45	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Cyclohexane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Dibromochloromethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Dichlorodifluoromethane	BRL	10		ug/L	187764	1	03/07/2014 15:45	GK
Ethylbenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Freon-113	BRL	10		ug/L	187764	1	03/07/2014 15:45	GK
Isopropylbenzene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
m,p-Xylene	BRL	10		ug/L	187764	1	03/07/2014 15:45	GK
Methyl acetate	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Methylcyclohexane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Methylene chloride	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
o-Xylene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Mar-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14059-MW-21
Project Name:	Sara Lee Smyrna	**Collection Date:**	2/28/2014 1:15:00 PM
Lab ID:	1402O77-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Tetrachloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Toluene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Trichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Trichlorofluoromethane	BRL	5.0		ug/L	187764	1	03/07/2014 15:45	GK
Vinyl chloride	BRL	2.0		ug/L	187764	1	03/07/2014 15:45	GK
Surr: 4-Bromofluorobenzene	94.2	66.2-120		%REC	187764	1	03/07/2014 15:45	GK
Surr: Dibromofluoromethane	101 ✓	79.5-121		%REC	187764	1	03/07/2014 15:45	GK
Surr: Toluene-d8	100	77-117		%REC	187764	1	03/07/2014 15:45	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Mar-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Sara Lee Smyrna	**Collection Date:**	2/28/2014
Lab ID:	1402O77-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,1-Dichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,1-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,2-Dibromoethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,2-Dichloroethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,2-Dichloropropane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
2-Butanone	BRL	50		ug/L	187764	1	03/07/2014 16:13	GK
2-Hexanone	BRL	10		ug/L	187764	1	03/07/2014 16:13	GK
4-Methyl-2-pentanone	BRL	10		ug/L	187764	1	03/07/2014 16:13	GK
Acetone	BRL	50		ug/L	187764	1	03/07/2014 16:13	GK
Benzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Bromodichloromethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Bromoform	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Bromomethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Carbon disulfide	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Carbon tetrachloride	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Chlorobenzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Chloroethane	BRL	10		ug/L	187764	1	03/07/2014 16:13	GK
Chloroform	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Chloromethane	BRL	10		ug/L	187764	1	03/07/2014 16:13	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Cyclohexane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Dibromochloromethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Dichlorodifluoromethane	BRL	10		ug/L	187764	1	03/07/2014 16:13	GK
Ethylbenzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Freon-113	BRL	10		ug/L	187764	1	03/07/2014 16:13	GK
Isopropylbenzene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
m,p-Xylene	BRL	10		ug/L	187764	1	03/07/2014 16:13	GK
Methyl acetate	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Methylcyclohexane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Methylene chloride	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
o-Xylene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Mar-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Sara Lee Smyrna	**Collection Date:**	2/28/2014
Lab ID:	1402O77-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Tetrachloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Toluene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Trichloroethene	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Trichlorofluoromethane	BRL	5.0		ug/L	187764	1	03/07/2014 16:13	GK
Vinyl chloride	BRL	2.0		ug/L	187764	1	03/07/2014 16:13	GK
Surr: 4-Bromofluorobenzene	95.2	66.2-120		%REC	187764	1	03/07/2014 16:13	GK
Surr: Dibromofluoromethane	101	79.5-121		%REC	187764	1	03/07/2014 16:13	GK
Surr: Toluene-d8	101	77-117		%REC	187764	1	03/07/2014 16:13	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Braun Intertec Work Order Number 1402077

Checklist completed by Cataya 2/29/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

According to sampler, custody sea were not provided. The sample labels were therefor placed over the sample bottle caps to act as custody seals.

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.1 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Client: BROWN AND CALDWELL
Project Name: Sara Lee Smyrna
Workorder: 1402O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 187764

Sample ID: **MB-187764** Client ID: Units: **ug/L** Prep Date: **03/03/2014** Run No: **262281**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **187764** Analysis Date: **03/03/2014** Seq No: **5515839**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Sara Lee Smyrna
Workorder: 1402O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 187764

Sample ID: **MB-187764** Client ID: Units: **ug/L** Prep Date: **03/03/2014** Run No: **262281**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **187764** Analysis Date: **03/03/2014** Seq No: **5515839**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	49.10	0	50.00		98.2	66.2	120				
Surr: Dibromofluoromethane	49.71	0	50.00		99.4	79.5	121				
Surr: Toluene-d8	48.31	0	50.00		96.6	77	117				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Sara Lee Smyrna
Workorder: 1402O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 187764

Sample ID: **LCS-187764** Client ID: Units: **ug/L** Prep Date: **03/03/2014** Run No: **262281**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **187764** Analysis Date: **03/03/2014** Seq No: **5515959**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.07	5.0	50.00		92.1	63.1	140				
Benzene	47.84	5.0	50.00		95.7	74.2	129				
Chlorobenzene	47.36	5.0	50.00		94.7	70	129				
Toluene	48.44	5.0	50.00		96.9	74.2	129				
Trichloroethene	50.02	5.0	50.00		100	71.2	135				
Surr: 4-Bromofluorobenzene	49.92	0	50.00		99.8	66.2	120				
Surr: Dibromofluoromethane	50.12	0	50.00		100	79.5	121				
Surr: Toluene-d8	49.73	0	50.00		99.5	77	117				

Sample ID: **1402O88-005AMS** Client ID: Units: **ug/L** Prep Date: **03/03/2014** Run No: **262281**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **187764** Analysis Date: **03/03/2014** Seq No: **5517607**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.54	5.0	50.00		111	60.2	159				
Benzene	50.89	5.0	50.00		102	70.2	138				
Chlorobenzene	49.25	5.0	50.00		98.5	70.1	133				
Toluene	50.97	5.0	50.00		102	70	139				
Trichloroethene	53.19	5.0	50.00		106	70.1	144				
Surr: 4-Bromofluorobenzene	50.30	0	50.00		101	66.2	120				
Surr: Dibromofluoromethane	52.55	0	50.00		105	79.5	121				
Surr: Toluene-d8	50.47	0	50.00		101	77	117				

Sample ID: **1402O88-005AMSD** Client ID: Units: **ug/L** Prep Date: **03/03/2014** Run No: **262281**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **187764** Analysis Date: **03/03/2014** Seq No: **5517609**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.78	5.0	50.00		108	60.2	159	55.54	3.22	19.2	
Benzene	50.65	5.0	50.00		101	70.2	138	50.89	0.473	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Sara Lee Smyrna
Workorder: 1402O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 187764

Sample ID: **1402O88-005AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **03/03/2014** Run No: **262281**
BatchID: **187764** Analysis Date: **03/03/2014** Seq No: **5517609**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	50.40	5.0	50.00		101	70.1	133	49.25	2.31	20	
Toluene	51.57	5.0	50.00		103	70	139	50.97	1.17	20	
Trichloroethene	53.06	5.0	50.00		106	70.1	144	53.19	0.245	20	
Surr: 4-Bromofluorobenzene	51.20	0	50.00		102	66.2	120	50.30	0	0	
Surr: Dibromofluoromethane	52.03	0	50.00		104	79.5	121	52.55	0	0	
Surr: Toluene-d8	49.70	0	50.00		99.4	77	117	50.47	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

April 2014 Semiannual Sampling

Brown AND Caldwell : **LABORATORY DATA VERIFICATION FORM**

☐ Yes ☐ No ☑ NA **Were any target analytes detected below practical quantitation limits (PQLs)?**
If yes: Notes: _____

☑ Yes ☐ No ☐ NA **Were any sample duplicates collected?**
If yes: Notes: ① See comments

☐ Yes ☑ No ☐ NA **Were any laboratory duplicates reported for project samples?**
If yes: Notes: _____

☑ Yes ☐ No ☐ NA **Were any matrix spikes reported for project samples?**
If yes: Notes: No issues to report

☑ Yes ☐ No ☐ NA **Were any laboratory control samples reported?**
If yes: Notes: No issues to report

☐ Yes ☑ No ☐ NA **Were calibration standards reported?**
If yes: Notes: _____

4. COMMENTS & SUMMARY OF ACTIONS TAKEN (Attach additional pages if necessary)

① Sample 14105-DUP is a field duplicate of 14105-MW-8. See attached sheet for a detailed duplicate comparison. All calculated RPDs are within acceptable control limits for organic parameters. No further action required.

DE Jones
Signature of Data Verifier

(Rev 3/14/13 - SEJ)

Brown AND Caldwell : LABORATORY DATA VERIFICATION FORM

1. PROJECT INFORMATION

Today's Date: 4-25-14

Project Number: 145686.010.007 Project Name/Client: Hillshire Brands

Project Manager: T. Reifenberger Sampled By: G. Skala and B. Steele

Laboratory: AES Order No.: 1404E88

2. SAMPLE INFORMATION

Purpose of sampling: Semiannual groundwater monitoring - April 2014

Total number of samples: 10

☑ Groundwater: 7 ☐ Soil: ____ ☐ Soil Gas: ____ ☑ Trip Blank: 2

☐ Surface water: ____ ☐ Sediment: ____ ☐ Other: ____ ☐ Field Blank: ____

☐ Drinking water: ____ ☐ Air: ____ ☐ Other: ____ ☑ Equip Blank: 1

Analyses requested: VOCs, methane, TOC, Ferrous Fe, nitrate, sulfate, Mn

Method detection limits (MDLs) or reporting limits (RLs) requested: NA

Duplicates: 14105 - DUP = MW-8

3. DATA VERIFICATION

Check yes or no. Refer to applicable Data Verification Guidelines to determine appropriate action.

☑ Yes ☐ No ☐ NA **Was the Chain of Custody intact?**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Were custody seals intact on samples bottles and/or coolers as necessary?**

If no: Notes: sample bottles

☑ Yes ☐ No ☐ NA **Were cooler temperatures within the acceptable range of 0-6°C?**

If no: Notes: 3.1° and 3.8° C

☑ Yes ☐ No ☐ NA **Were samples physically and chemically preserved properly (i.e. no bubbles in VOC vials)**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Was the case narrative of the analytical report free of any quality issues, discrepancies, etc.?**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Were all samples labeled, analyzed, and reported correctly? (no samples held, no wrong analyses, etc.)**

If no: If within holding time, call lab immediately. Notes: ____

☑ Yes ☐ No ☐ NA **Were all samples analyzed within holding time?**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Were appropriate analytes reported?**

If no: Notes: ____

☐ Yes ☐ No ☑ NA **Were soil and/or sediment concentrations reported appropriately? (DW vs WW)**

If no: Call lab immediately to verify. Notes: ____

☐ Yes ☐ No ☑ NA **If analyzed for the following parameters, was the following true for all analytes?**

- ☐ Yes ☐ No ☑ NA Total metals ≥ Dissolved metals
- ☐ Yes ☐ No ☑ NA TKN > Organic nitrogen
- ☐ Yes ☐ No ☑ NA TKN > Ammonia (NH_3)
- ☐ Yes ☐ No ☑ NA COD > TOC
- ☐ Yes ☐ No ☑ NA COD > BOD

If no: Report to project manager and contact lab's QA/QC manager if needed. Notes: ____

☑ Yes ☐ No ☐ NA **Were method detection limits (MDL), reporting limits (RLs), and/or dilution factors appropriate?**

If no: Report to project manager and contact lab if needed. Notes: ____

☑ Yes ☐ No ☐ NA **Were surrogate % recoveries within the acceptable range of LCL ≤ x ≤ UCL?**

If no: Notes: ____

☐ Yes ☑ No ☐ NA **Were target analytes detected in any field, equipment, and/or laboratory blanks?**

If yes: Notes: ____

Brown AND Caldwell

LABORATORY DATA VERIFICATION

Sample Duplicate Comparison

PROJECT INFORMATION

Project Number:	145686.010.700	**Project Name:**	Hillshire Brands	**Task/Purpose of Sampling:**	Semiannual Groundwater Sampling
Project Manager:	T. Reifenberger	**Client:**	Hillshire Brands/Sara Lee		
Laboratory:	AES	**Data Report:**	1.40E+91		

DUPLICATE INFORMATION

Parent Sample ID:	14105-MW-8	**Date/Time:**	4/15/14 1410	**Matrix:**	Groundwater
Duplicate Sample ID:	14105-DUP	**Date/Time:**	4/15/14 1200	**Matrix:**	Groundwater

Analytes (Units)	Analytical Results[a]		Relative Percent Difference (RPD) Comparison		Reporting Limit (RL) Comparison (If Needed)					Actions Required
	14105-MW-8	14105-DUP	RPD	Inorg: RPD > 20%? Org: RPD > 30%?	14105-MW-8		14105-DUP		Either Sample Conc. ≥ 2X RLs?	
					RL	2x RL	RL	2x RL		
1,1-Dichloroethane (ug/L)	32	34	6%	NO						No further action required.
1,2-Dichlorobenzene	53	55	4%	NO						No further action required.
1,3-Dichlorobenzene	14	16	13%	NO						No further action required.
1,4-Dichlorobenzene	11	12	9%	NO						No further action required.
cis-1,2-Dichloroethene	4600	4500	2%	NO						No further action required.
Tetrachloroethene	16	17	6%	NO						No further action required.
trans-1,2-Dichloroethene	28	29	4%	NO						No further action required.
Trichloroethene	16	17	6%	NO						No further action required.
Vinyl chloride	3.7	3.9	5%	NO						No further action required.

[a] Results in red text and italics were below reporting limits. Values are reporting limits for comparison purposes only.

Relative Percent Difference (RPD) is a quantitative indicator of quality assurance and quality control (QA/QC) for repeated measurements (i.e. duplicates) where the outcome is expected to be the same. It is calculated using the following equation:

$$RPD = \left| \frac{x_1 - x_2}{(x_1 + x_2)/2} \right| \times 100$$

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 23, 2014

TRISH REIFENBERGER P.E.
BROWN AND CALDWELL
990 Hammond Drive
Atlanta GA 30328

TEL: (770) 673-3630
FAX: (770) 396-9495

RE: Hillshire Brands

Dear TRISH REIFENBERGER P.E.: Order No: 1404E88

Analytical Environmental Services, Inc. received 10 samples on 4/15/2014 4:40:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Tara Esbeck

Tara Esbeck
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: ~~1410~~ 1404E88 MS 4/15/14
Date: 4-15-14 Page 1 of 1

COMPANY: Brown + Caldwell
ADDRESS: 990 Hammond Dr ste 400 Atlanta GA 30328
PHONE:
FAX:
SAMPLED BY: Brian Steele
SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	Methane	TOC	Ferrous Fe	Nitrate/Sulfate	Manganese (Mn)	REMARKS	No # of Containers
	PRESERVATION (See codes)						HCl	H2SO4	H2SO4	NA	NA	HNO3		
1	14104-MW-2 ✓	4-14-14	1550	X		GW	X							2
2	14105-MW-12 ✓	4-15-14	1025				X	X	X	X	X			7
3	14105-MW-11 ✓		0850				X							1
4	14105-OW-72A ✓		1255				X							2
5	14105-MW-8 ✓		1410				X	X	X	X	X	X		8
6	14105-DUP ✓		1200				X					X		3
7	14105-EB ✓		1305			W	X							2
8	Trip Blank ✓	—	—			W	X							2
9	14105-OW-72 ✓	4-15-14	1510	X		GW	X							2
10	Trip Blank ✓	—	—	X		W	X							2
11														
12														
13														
14														

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	4-15-14 / 1615	1:	4-15-14 / 16:15
2:	4-15-14 / 16:40	2:	4/15/14 1640
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS: Short hold time on Ferrous Fe.

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: Hillshire Brands
PROJECT #: 145686
SITE ADDRESS: Smyrna, GA
SEND REPORT TO: TReitenberger@brwncald.com
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- (✓) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? (Y) / N; Fax? Y (N)
DATA PACKAGE: I (II) III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-2 ✓
Project Name:	Hillshire Brands	**Collection Date:**	4/14/2014 3:50:00 PM ✓
Lab ID:	1404E88-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	23	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,1-Dichloroethane	19	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,1-Dichloroethene	20	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
2-Butanone	BRL	50		ug/L	189824	1	04/17/2014 03:20	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/17/2014 03:20	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/17/2014 03:20	GK
Acetone	BRL	50		ug/L	189824	1	04/17/2014 03:20	GK
Benzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Chloroethane	BRL	10		ug/L	189824	1	04/17/2014 03:20	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Chloromethane	BRL	10		ug/L	189824	1	04/17/2014 03:20	GK
cis-1,2-Dichloroethene	200	50		ug/L	189824	10	04/17/2014 13:25	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/17/2014 03:20	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Freon-113	BRL	10		ug/L	189824	1	04/17/2014 03:20	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-2
Project Name:	Hillshire Brands	**Collection Date:**	4/14/2014 3:50:00 PM
Lab ID:	1404E88-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Tetrachloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Toluene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Trichloroethene	44	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:20	GK
Vinyl chloride	BRL	2.0		ug/L	189824	1	04/17/2014 03:20	GK
Surr: 4-Bromofluorobenzene	87.3	66.2-120		%REC	189824	10	04/17/2014 13:25	GK
Surr: 4-Bromofluorobenzene	88.4	66.2-120		%REC	189824	1	04/17/2014 03:20	GK
Surr: Dibromofluoromethane	98.1	79.5-121		%REC	189824	10	04/17/2014 13:25	GK
Surr: Dibromofluoromethane	103	79.5-121		%REC	189824	1	04/17/2014 03:20	GK
Surr: Toluene-d8	97.1	77-117		%REC	189824	10	04/17/2014 13:25	GK
Surr: Toluene-d8	96	77-117		%REC	189824	1	04/17/2014 03:20	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-MW-12 ✓
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 10:25:00 AM ✓
Lab ID:	1404E88-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	2.77	1.00		mg/L	R265924	1	04/18/2014 15:12	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
2-Butanone	BRL	50		ug/L	189824	1	04/17/2014 03:47	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/17/2014 03:47	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/17/2014 03:47	GK
Acetone	BRL	50		ug/L	189824	1	04/17/2014 03:47	GK
Benzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Chloroethane	BRL	10		ug/L	189824	1	04/17/2014 03:47	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Chloromethane	BRL	10		ug/L	189824	1	04/17/2014 03:47	GK
cis-1,2-Dichloroethene	21	5.0		ug/L	189824	1	04/17/2014 03:47	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/17/2014 03:47	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Freon-113	BRL	10		ug/L	189824	1	04/17/2014 03:47	GK
Isopropylbenzene	11	5.0		ug/L	189824	1	04/17/2014 03:47	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
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- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-MW-12
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 10:25:00 AM
Lab ID:	1404E88-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Styrene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Tetrachloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Toluene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Trichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/17/2014 03:47	GK
Vinyl chloride	BRL	2.0		ug/L	189824	1	04/17/2014 03:47	GK
Surr: 4-Bromofluorobenzene	98.1	66.2-120		%REC	189824	1	04/17/2014 03:47	GK
Surr: Dibromofluoromethane	96.6	79.5-121		%REC	189824	1	04/17/2014 03:47	GK
Surr: Toluene-d8	98.7	77-117		%REC	189824	1	04/17/2014 03:47	GK
ION SCAN SW9056A								
Nitrate	BRL	0.25		mg/L	R266023	1	04/16/2014 10:07	GR
Sulfate	13	1.0		mg/L	R266023	1	04/16/2014 10:07	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Methane	110	4		ug/L	189915	1	04/18/2014 15:29	SH
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	4.55	0.500		mg/L	R265571	5	04/16/2014 08:45	AB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-MW-11 ✓
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 8:50:00 AM ✓
Lab ID:	1404E88-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
2-Butanone	BRL	50		ug/L	189824	1	04/17/2014 04:15	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/17/2014 04:15	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/17/2014 04:15	GK
Acetone	BRL	50		ug/L	189824	1	04/17/2014 04:15	GK
Benzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Chlorobenzene	30	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Chloroethane	BRL	10		ug/L	189824	1	04/17/2014 04:15	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Chloromethane	BRL	10		ug/L	189824	1	04/17/2014 04:15	GK
cis-1,2-Dichloroethene	23	5.0		ug/L	189824	1	04/17/2014 04:15	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/17/2014 04:15	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Freon-113	BRL	10		ug/L	189824	1	04/17/2014 04:15	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-MW-11
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 8:50:00 AM
Lab ID:	1404E88-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Tetrachloroethene	5.6	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Toluene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Trichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:15	GK
Vinyl chloride	BRL	2.0		ug/L	189824	1	04/17/2014 04:15	GK
Surr: 4-Bromofluorobenzene	90.1	66.2-120		%REC	189824	1	04/17/2014 04:15	GK
Surr: Dibromofluoromethane	√ 98	79.5-121		%REC	189824	1	04/17/2014 04:15	GK
Surr: Toluene-d8	97.9	77-117		%REC	189824	1	04/17/2014 04:15	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-OW-74A ✓
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 12:55:00 PM ✓
Lab ID:	1404E88-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
2-Butanone	BRL	50		ug/L	189824	1	04/17/2014 04:42	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/17/2014 04:42	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/17/2014 04:42	GK
Acetone	BRL	50		ug/L	189824	1	04/17/2014 04:42	GK
Benzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Chloroethane	BRL	10		ug/L	189824	1	04/17/2014 04:42	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Chloromethane	BRL	10		ug/L	189824	1	04/17/2014 04:42	GK
cis-1,2-Dichloroethene	160	5.0		ug/L	189824	1	04/17/2014 04:42	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/17/2014 04:42	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Freon-113	BRL	10		ug/L	189824	1	04/17/2014 04:42	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-OW-74A
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 12:55:00 PM
Lab ID:	1404E88-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Tetrachloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Toluene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Trichloroethene	14	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/17/2014 04:42	GK
Vinyl chloride	BRL	2.0		ug/L	189824	1	04/17/2014 04:42	GK
Surr: 4-Bromofluorobenzene	91.5	66.2-120		%REC	189824	1	04/17/2014 04:42	GK
Surr: Dibromofluoromethane	99.8	79.5-121		%REC	189824	1	04/17/2014 04:42	GK
Surr: Toluene-d8	98.3	77-117		%REC	189824	1	04/17/2014 04:42	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-MW-8 ✓
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 2:10:00 PM ✓
Lab ID:	1404E88-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	19.9	1.00		mg/L	R265924	1	04/18/2014 15:40	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,1-Dichloroethane	32	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,2-Dichlorobenzene	53	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,3-Dichlorobenzene	14	5.0		ug/L	189824	1	04/17/2014 05:36	GK
1,4-Dichlorobenzene	11	5.0		ug/L	189824	1	04/17/2014 05:36	GK
2-Butanone	BRL	50		ug/L	189824	1	04/17/2014 05:36	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/17/2014 05:36	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/17/2014 05:36	GK
Acetone	BRL	50		ug/L	189824	1	04/17/2014 05:36	GK
Benzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Chloroethane	BRL	10		ug/L	189824	1	04/17/2014 05:36	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Chloromethane	BRL	10		ug/L	189824	1	04/17/2014 05:36	GK
cis-1,2-Dichloroethene	4600	250		ug/L	189824	50	04/17/2014 12:30	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/17/2014 05:36	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Freon-113	BRL	10		ug/L	189824	1	04/17/2014 05:36	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-MW-8
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 2:10:00 PM
Lab ID:	1404E88-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Styrene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Tetrachloroethene	16	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Toluene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
trans-1,2-Dichloroethene	28	5.0		ug/L	189824	1	04/17/2014 05:36	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Trichloroethene	16	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:36	GK
Vinyl chloride	3.7	2.0		ug/L	189824	1	04/17/2014 05:36	GK
Surr: 4-Bromofluorobenzene	90.1	66.2-120		%REC	189824	50	04/17/2014 12:30	GK
Surr: 4-Bromofluorobenzene	88.5	66.2-120		%REC	189824	1	04/17/2014 05:36	GK
Surr: Dibromofluoromethane	96.8	79.5-121		%REC	189824	50	04/17/2014 12:30	GK
Surr: Dibromofluoromethane	102	79.5-121		%REC	189824	1	04/17/2014 05:36	GK
Surr: Toluene-d8	97.9	77-117		%REC	189824	50	04/17/2014 12:30	GK
Surr: Toluene-d8	96.5	77-117		%REC	189824	1	04/17/2014 05:36	GK
ION SCAN SW9056A								
Nitrate	BRL	0.25		mg/L	R266023	1	04/16/2014 09:52	GR
Sulfate	81	5.0		mg/L	R266023	5	04/16/2014 10:22	GR
GC Analysis of Gaseous Samples SOP-RSK 175				(RSK175)				
Methane	53	4		ug/L	189915	1	04/18/2014 15:38	SH
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R265571	1	04/16/2014 08:45	AB
METALS, TOTAL SW6010C				(SW3010A)				
Manganese	11.6	0.0150		mg/L	189899	1	04/20/2014 15:04	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-DUP ✓
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 12:00:00 PM ✓
Lab ID:	1404E88-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,1-Dichloroethane	34	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,2-Dichlorobenzene	55	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,3-Dichlorobenzene	16	5.0		ug/L	189824	1	04/17/2014 05:09	GK
1,4-Dichlorobenzene	12	5.0		ug/L	189824	1	04/17/2014 05:09	GK
2-Butanone	BRL	50		ug/L	189824	1	04/17/2014 05:09	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/17/2014 05:09	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/17/2014 05:09	GK
Acetone	BRL	50		ug/L	189824	1	04/17/2014 05:09	GK
Benzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Chloroethane	BRL	10		ug/L	189824	1	04/17/2014 05:09	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Chloromethane	BRL	10		ug/L	189824	1	04/17/2014 05:09	GK
cis-1,2-Dichloroethene	4500	250		ug/L	189824	50	04/17/2014 12:58	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/17/2014 05:09	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Freon-113	BRL	10		ug/L	189824	1	04/17/2014 05:09	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-DUP
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 12:00:00 PM
Lab ID:	1404E88-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Tetrachloroethene	17	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Toluene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
trans-1,2-Dichloroethene	29	5.0		ug/L	189824	1	04/17/2014 05:09	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Trichloroethene	17	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/17/2014 05:09	GK
Vinyl chloride	3.9	2.0		ug/L	189824	1	04/17/2014 05:09	GK
Surr: 4-Bromofluorobenzene	91.2	66.2-120		%REC	189824	50	04/17/2014 12:58	GK
Surr: 4-Bromofluorobenzene	91.6	66.2-120		%REC	189824	1	04/17/2014 05:09	GK
Surr: Dibromofluoromethane	95.6	79.5-121		%REC	189824	50	04/17/2014 12:58	GK
Surr: Dibromofluoromethane	99.3	79.5-121		%REC	189824	1	04/17/2014 05:09	GK
Surr: Toluene-d8	96.7	77-117		%REC	189824	50	04/17/2014 12:58	GK
Surr: Toluene-d8	94.6	77-117		%REC	189824	1	04/17/2014 05:09	GK
METALS, TOTAL SW6010C				(SW3010A)				
Manganese	12.3	0.0150		mg/L	189899	1	04/20/2014 15:08	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-EB
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 1:05:00 PM
Lab ID:	1404E88-007	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
2-Butanone	BRL	50		ug/L	189824	1	04/16/2014 22:49	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/16/2014 22:49	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/16/2014 22:49	GK
Acetone	BRL	50		ug/L	189824	1	04/16/2014 22:49	GK
Benzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Chloroethane	BRL	10		ug/L	189824	1	04/16/2014 22:49	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Chloromethane	BRL	10		ug/L	189824	1	04/16/2014 22:49	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/16/2014 22:49	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Freon-113	BRL	10		ug/L	189824	1	04/16/2014 22:49	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-EB
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 1:05:00 PM
Lab ID:	1404E88-007	**Matrix:**	Aqueous

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS	**SW8260B**				**(SW5030B)**				
Styrene		BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Tetrachloroethene		BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Toluene		BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
trans-1,2-Dichloroethene		BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
trans-1,3-Dichloropropene		BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Trichloroethene	✓	BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Trichlorofluoromethane		BRL	5.0		ug/L	189824	1	04/16/2014 22:49	GK
Vinyl chloride		BRL	2.0		ug/L	189824	1	04/16/2014 22:49	GK
Surr: 4-Bromofluorobenzene		90.8	66.2-120		%REC	189824	1	04/16/2014 22:49	GK
Surr: Dibromofluoromethane	✓	97.7	79.5-121		%REC	189824	1	04/16/2014 22:49	GK
Surr: Toluene-d8		96.9	77-117		%REC	189824	1	04/16/2014 22:49	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014
Lab ID:	1404E88-008	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
2-Butanone	BRL	50		ug/L	189824	1	04/16/2014 23:16	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/16/2014 23:16	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/16/2014 23:16	GK
Acetone	BRL	50		ug/L	189824	1	04/16/2014 23:16	GK
Benzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Chloroethane	BRL	10		ug/L	189824	1	04/16/2014 23:16	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Chloromethane	BRL	10		ug/L	189824	1	04/16/2014 23:16	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/16/2014 23:16	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Freon-113	BRL	10		ug/L	189824	1	04/16/2014 23:16	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014
Lab ID:	1404E88-008	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Tetrachloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Toluene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Trichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:16	GK
Vinyl chloride	BRL	2.0		ug/L	189824	1	04/16/2014 23:16	GK
Surr: 4-Bromofluorobenzene	89.3	66.2-120		%REC	189824	1	04/16/2014 23:16	GK
Surr: Dibromofluoromethane	94.8	79.5-121		%REC	189824	1	04/16/2014 23:16	GK
Surr: Toluene-d8	96.4	77-117		%REC	189824	1	04/16/2014 23:16	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-OW-72 ✓
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 3:10:00 PM
Lab ID:	1404E88-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,1-Dichloroethane	15	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,2-Dichlorobenzene	19	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
2-Butanone	BRL	50		ug/L	189824	1	04/17/2014 06:03	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/17/2014 06:03	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/17/2014 06:03	GK
Acetone	BRL	50		ug/L	189824	1	04/17/2014 06:03	GK
Benzene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Chloroethane	BRL	10		ug/L	189824	1	04/17/2014 06:03	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Chloromethane	BRL	10		ug/L	189824	1	04/17/2014 06:03	GK
cis-1,2-Dichloroethene	1700	100		ug/L	189824	20	04/16/2014 22:22	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/17/2014 06:03	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Freon-113	BRL	10		ug/L	189824	1	04/17/2014 06:03	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14105-OW-72
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 3:10:00 PM
Lab ID:	1404E88-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Tetrachloroethene	15	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Toluene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
trans-1,2-Dichloroethene	11	5.0		ug/L	189824	1	04/17/2014 06:03	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Trichloroethene	46	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/17/2014 06:03	GK
Vinyl chloride	BRL	2.0		ug/L	189824	1	04/17/2014 06:03	GK
Surr: 4-Bromofluorobenzene	87.5	66.2-120		%REC	189824	1	04/17/2014 06:03	GK
Surr: 4-Bromofluorobenzene	91.3	66.2-120		%REC	189824	20	04/16/2014 22:22	GK
Surr: Dibromofluoromethane	96.8	79.5-121		%REC	189824	1	04/17/2014 06:03	GK
Surr: Dibromofluoromethane	97	79.5-121		%REC	189824	20	04/16/2014 22:22	GK
Surr: Toluene-d8	95.4	77-117		%REC	189824	1	04/17/2014 06:03	GK
Surr: Toluene-d8	96.5	77-117		%REC	189824	20	04/16/2014 22:22	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014 ✓
Lab ID:	1404E88-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
2-Butanone	BRL	50		ug/L	189824	1	04/16/2014 23:43	GK
2-Hexanone	BRL	10		ug/L	189824	1	04/16/2014 23:43	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189824	1	04/16/2014 23:43	GK
Acetone	BRL	50		ug/L	189824	1	04/16/2014 23:43	GK
Benzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Bromodichloromethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Bromoform	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Bromomethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Carbon disulfide	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Carbon tetrachloride	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Chlorobenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Chloroethane	BRL	10		ug/L	189824	1	04/16/2014 23:43	GK
Chloroform	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Chloromethane	BRL	10		ug/L	189824	1	04/16/2014 23:43	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Cyclohexane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Dibromochloromethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Dichlorodifluoromethane	BRL	10		ug/L	189824	1	04/16/2014 23:43	GK
Ethylbenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Freon-113	BRL	10		ug/L	189824	1	04/16/2014 23:43	GK
Isopropylbenzene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
m,p-Xylene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Methyl acetate	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Methylcyclohexane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Methylene chloride	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
o-Xylene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hillshire Brands	**Collection Date:**	4/15/2014
Lab ID:	1404E88-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Tetrachloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Toluene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Trichloroethene	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189824	1	04/16/2014 23:43	GK
Vinyl chloride	BRL	2.0		ug/L	189824	1	04/16/2014 23:43	GK
Surr: 4-Bromofluorobenzene	89.7	66.2-120		%REC	189824	1	04/16/2014 23:43	GK
Surr: Dibromofluoromethane	97.4	79.5-121		%REC	189824	1	04/16/2014 23:43	GK
Surr: Toluene-d8	96.2	77-117		%REC	189824	1	04/16/2014 23:43	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Brown Cal Work Order Number 1404E88

Checklist completed by _____ 4/16/14
Signature Date

Carrier name: FedEx __ UPS __ Courier ✓ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes ✓ No __ Not Present ✓ mr 4/16

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.1° Cooler #2 3.8 Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by MJ

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc **Date:** 23-Apr-14

Client: BROWN AND CALDWELL
Project: Hill Shire Farms
Lab Order: 1404E88

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1404E88-001A	14104-MW-2	4/14/2014 3:50:00PM	Groundwater	TCL VOLATILE ORGANICS		04/16/2014	04/17/2014
1404E88-002A	14105-MW-12	4/15/2014 10:25:00AM	Groundwater	TCL VOLATILE ORGANICS		04/16/2014	04/17/2014
1404E88-002B	14105-MW-12	4/15/2014 10:25:00AM	Groundwater	GC Analysis of Gaseous Samples		04/18/2014	04/18/2014
1404E88-002C	14105-MW-12	4/15/2014 10:25:00AM	Groundwater	Total Organic Carbon (TOC)			04/18/2014
1404E88-002D	14105-MW-12	4/15/2014 10:25:00AM	Groundwater	Ferrous Iron			04/16/2014 ✓
1404E88-002E	14105-MW-12	4/15/2014 10:25:00AM	Groundwater	ION SCAN			04/16/2014
1404E88-003A	14105-MW-11	4/15/2014 8:50:00AM	Groundwater	TCL VOLATILE ORGANICS		04/16/2014	04/17/2014
1404E88-004A	14105-OW-74A	4/15/2014 12:55:00PM	Groundwater	TCL VOLATILE ORGANICS		04/16/2014	04/17/2014
1404E88-005A	14105-MW-8	4/15/2014 2:10:00PM	Groundwater	TCL VOLATILE ORGANICS		04/16/2014	04/17/2014
1404E88-005B	14105-MW-8	4/15/2014 2:10:00PM	Groundwater	GC Analysis of Gaseous Samples		04/18/2014	04/18/2014
1404E88-005C	14105-MW-8	4/15/2014 2:10:00PM	Groundwater	Total Organic Carbon (TOC)			04/18/2014
1404E88-005D	14105-MW-8	4/15/2014 2:10:00PM	Groundwater	Ferrous Iron			04/16/2014 ✓
1404E88-005E	14105-MW-8	4/15/2014 2:10:00PM	Groundwater	ION SCAN			04/16/2014
1404E88-005F	14105-MW-8	4/15/2014 2:10:00PM	Groundwater	TOTAL METALS BY ICP		04/18/2014	04/20/2014
1404E88-006A	14105-DUP	4/15/2014 12:00:00PM	Groundwater	TCL VOLATILE ORGANICS		04/16/2014	04/17/2014
1404E88-006B	14105-DUP	4/15/2014 12:00:00PM	Groundwater	TOTAL METALS BY ICP		04/18/2014	04/20/2014
1404E88-007A	14105-EB	4/15/2014 1:05:00PM	Aqueous	TCL VOLATILE ORGANICS		04/16/2014	04/16/2014
1404E88-008A	TRIP BLANK	4/15/2014 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		04/16/2014	04/16/2014
1404E88-009A	14105-OW-72	4/15/2014 3:10:00PM	Aqueous	TCL VOLATILE ORGANICS		04/16/2014	04/16/2014
1404E88-009A	14105-OW-72	4/15/2014 3:10:00PM	Aqueous	TCL VOLATILE ORGANICS		04/16/2014	04/17/2014
1404E88-010A	TRIP BLANK	4/15/2014 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		04/16/2014	04/16/2014

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: 189824

Sample ID: **MB-189824** Client ID: Units: **ug/L** Prep Date: **04/16/2014** Run No: **265721**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189824** Analysis Date: **04/16/2014** Seq No: **5599568**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: 189824

Sample ID: **MB-189824** Client ID: Units: **ug/L** Prep Date: **04/16/2014** Run No: **265721**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189824** Analysis Date: **04/16/2014** Seq No: **5599568**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene ✓	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	45.44	0	50.00		90.9	66.2	120				
Surr: Dibromofluoromethane	46.86	0	50.00		93.7	79.5	121				
Surr: Toluene-d8	47.07	0	50.00		94.1	77	117				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: 189824

Sample ID: **LCS-189824** Client ID: Units: **ug/L** Prep Date: **04/16/2014** Run No: **265721**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189824** Analysis Date: **04/16/2014** Seq No: **5599566**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	40.15	5.0	50.00		80.3	63.1	140				
Benzene	42.58	5.0	50.00		85.2	74.2	129				
Chlorobenzene	43.16	5.0	50.00		86.3	70	129				
Toluene	42.29	5.0	50.00		84.6	74.2	129				
Trichloroethene	43.00	5.0	50.00		86.0	71.2	135				
Surr: 4-Bromofluorobenzene	47.10	0	50.00		94.2	66.2	120				
Surr: Dibromofluoromethane	49.70	0	50.00		99.4	79.5	121				
Surr: Toluene-d8	49.14	0	50.00		98.3	77	117				

Sample ID: **1404E88-005AMS** Client ID: **14105-MW-8** Units: **ug/L** Prep Date: **04/16/2014** Run No: **265721**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189824** Analysis Date: **04/16/2014** Seq No: **5599575**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1260	100	1000	3.910	126	60.2	159				
Benzene	1105	100	1000		110	70.2	138				
Chlorobenzene	1069	100	1000	1.010	107	70.1	133				
Toluene	1115	100	1000		112	70	139				
Trichloroethene	1095	100	1000	16.01	108	70.1	144				
Surr: 4-Bromofluorobenzene	956.2	0	1000		95.6	66.2	120				
Surr: Dibromofluoromethane	958.0	0	1000		95.8	79.5	121				
Surr: Toluene-d8	987.6	0	1000		98.8	77	117				

Sample ID: **1404E88-005AMSD** Client ID: **14105-MW-8** Units: **ug/L** Prep Date: **04/16/2014** Run No: **265721**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189824** Analysis Date: **04/16/2014** Seq No: **5599576**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1170	100	1000	3.910	117	60.2	159	1260	7.44	19.2	
Benzene	1091	100	1000		109	70.2	138	1105	1.26	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: 189824

Sample ID: **1404E88-005AMSD** Client ID: **14105-MW-8** Units: **ug/L** Prep Date: **04/16/2014** Run No: **265721**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189824** Analysis Date: **04/16/2014** Seq No: **5599576**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	1051	100	1000	1.010	105	70.1	133	1069	1.66	20	
Toluene	1101	100	1000		110	70	139	1115	1.34	20	
Trichloroethene	1083	100	1000	16.01	107	70.1	144	1095	1.12	20	
Surr: 4-Bromofluorobenzene	959.0	0	1000		95.9	66.2	120	956.2	0	0	
Surr: Dibromofluoromethane	1005	0	1000		101	79.5	121	958.0	0	0	
Surr: Toluene-d8	1001	0	1000		100	77	117	987.6	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: 189899

Sample ID: **MB-189899**	Client ID:				Units: **mg/L**	Prep Date: **04/18/2014**	Run No: **265939**
SampleType: **MBLK**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **189899**	Analysis Date: **04/20/2014**	Seq No: **5605196**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	✓ BRL	0.0150									

Sample ID: **LCS-189899**	Client ID:				Units: **mg/L**	Prep Date: **04/18/2014**	Run No: **265939**
SampleType: **LCS**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **189899**	Analysis Date: **04/20/2014**	Seq No: **5605190**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	1.028	0.0150	1.000	0.0008771	✓ 103	80	120				

Sample ID: **1404H11-003AMS**	Client ID:				Units: **mg/L**	Prep Date: **04/18/2014**	Run No: **265939**
SampleType: **MS**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **189899**	Analysis Date: **04/20/2014**	Seq No: **5605199**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	2.013	0.0150	1.000	1.044	✓ 96.9	75	125				

Sample ID: **1404H11-003AMSD**	Client ID:				Units: **mg/L**	Prep Date: **04/18/2014**	Run No: **265939**
SampleType: **MSD**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **189899**	Analysis Date: **04/20/2014**	Seq No: **5605201**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	2.000	0.0150	1.000	1.044	✓ 95.6	75	125	2.013	✓ 0.643	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: 189915

Sample ID: **MB-189915**	Client ID:				Units: **ug/L**		Prep Date: **04/18/2014**		Run No: **265887**
SampleType: **MBLK**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **189915**		Analysis Date: **04/18/2014**		Seq No: **5603124**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	BRL	4									

Sample ID: **LCS-189915**	Client ID:				Units: **ug/L**		Prep Date: **04/18/2014**		Run No: **265887**
SampleType: **LCS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **189915**		Analysis Date: **04/18/2014**		Seq No: **5603142**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	128.3	4	200.0		64.1	45.2	115				

Sample ID: **LCSD-189915**	Client ID:				Units: **ug/L**		Prep Date: **04/18/2014**		Run No: **265887**
SampleType: **LCSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **189915**		Analysis Date: **04/18/2014**		Seq No: **5603200**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	122.0	4	200.0		61.0	45.2	115	128.3	5.01	20	

Sample ID: **1404E88-005BMS**	Client ID: **14105-MW-8**				Units: **ug/L**		Prep Date: **04/18/2014**		Run No: **265887**
SampleType: **MS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **189915**		Analysis Date: **04/18/2014**		Seq No: **5605260**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	231.2	4	200.0	118.5	56.4	41.1	115				

Sample ID: **1404E88-005BMSD**	Client ID: **14105-MW-8**				Units: **ug/L**		Prep Date: **04/18/2014**		Run No: **265887**
SampleType: **MSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **189915**		Analysis Date: **04/18/2014**		Seq No: **5605265**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	228.9	4	200.0	118.5	55.2	41.1	115	231.2	0.989	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: R265571

Sample ID: **MB-R265571**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265571**
SampleType: **MBLK**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**		Seq No: **5595464**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	BRL	0.100									

Sample ID: **LCS-R265571**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265571**
SampleType: **LCS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**		Seq No: **5595465**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4892	0.100	0.5000		97.8	85	115				

Sample ID: **1404E98-003DMS**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265571**
SampleType: **MS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**		Seq No: **5595468**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	2.584	0.200	0.5000	2.054	106	80	120				

Sample ID: **1404E98-003DMSD**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265571**
SampleType: **MSD**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**		Seq No: **5595472**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	2.572	0.200	0.5000	2.054	104	80	120	2.584	0.450	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: R265924

Sample ID: **MB-R265924**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265924**	
SampleType: **MBLK**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R265924**	Analysis Date: **04/18/2014**		Seq No: **5604624**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	BRL	1.00									

Sample ID: **LCS-R265924**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265924**	
SampleType: **LCS**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R265924**	Analysis Date: **04/18/2014**		Seq No: **5604623**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	24.00	1.00	25.00		96.0	90	110				

Sample ID: **1404E98-003CMS**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265924**	
SampleType: **MS**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R265924**	Analysis Date: **04/18/2014**		Seq No: **5604630**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	28.21	1.00	25.00	2.102	104	80	120				

Sample ID: **1404E98-003CMSD**	Client ID:				Units: **mg/L**	Prep Date:		Run No: **265924**	
SampleType: **MSD**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R265924**	Analysis Date: **04/18/2014**		Seq No: **5604631**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	28.16	1.00	25.00	2.102	104	80	120	28.21	0.177	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1404E88

ANALYTICAL QC SUMMARY REPORT

BatchID: R266023

Sample ID: **MB-R266023**	Client ID:				Units: **mg/L**	Prep Date:			Run No: **266023**	
SampleType: **MBLK**	TestCode: **ION SCAN SW9056A**				BatchID: **R266023**	Analysis Date: **04/16/2014**			Seq No: **5607227**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	BRL	0.25									
Sulfate	BRL	1.0									

Sample ID: **LCS-R266023**	Client ID:				Units: **mg/L**	Prep Date:			Run No: **266023**	
SampleType: **LCS**	TestCode: **ION SCAN SW9056A**				BatchID: **R266023**	Analysis Date: **04/16/2014**			Seq No: **5607226**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	4.890	0.25	5.000		97.8	90	110				
Sulfate	26.54	1.0	25.00		106	90	110				

Sample ID: **1404E88-002EMS**	Client ID: **14105-MW-12**				Units: **mg/L**	Prep Date:			Run No: **266023**	
SampleType: **MS**	TestCode: **ION SCAN SW9056A**				BatchID: **R266023**	Analysis Date: **04/16/2014**			Seq No: **5607233**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	46.69	2.5	50.00		93.4	90	110				
Sulfate	265.1	10	250.0	12.58	101	90	110				

Sample ID: **1404E88-002EMSD**	Client ID: **14105-MW-12**				Units: **mg/L**	Prep Date:			Run No: **266023**	
SampleType: **MSD**	TestCode: **ION SCAN SW9056A**				BatchID: **R266023**	Analysis Date: **04/16/2014**			Seq No: **5607234**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	46.71	2.5	50.00		93.4	90	110	46.69	0.041	20	
Sulfate	265.2	10	250.0	12.58	101	90	110	265.1	0.044	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Brown AND Caldwell : LABORATORY DATA VERIFICATION FORM

1. PROJECT INFORMATION

Today's Date: 4-25-14

Project Number: 145686.010.007 Project Name/Client: Hillshire Brands

Project Manager: T. Reifenberger Sampled By: G. Skala and B. Steele

Laboratory: AES Order No.: 1404E98

2. SAMPLE INFORMATION

Purpose of sampling: Semiannual groundwater monitoring - April 2014

Total number of samples: 5

☑ Groundwater: 4 ☐ Soil: ____ ☐ Soil Gas: ____ ☑ Trip Blank: 1

☐ Surface water: ____ ☐ Sediment: ____ ☐ Other: ____ ☐ Field Blank: ____

☐ Drinking water: ____ ☐ Air: ____ ☐ Other: ____ ☑ Equip Blank: 1

Analyses requested: VOCs, TOC, nitrate, sulfate, ferrous Fe, methane

Method detection limits (MDLs) or reporting limits (RLs) requested: NA

Duplicates: None

3. DATA VERIFICATION

Check yes or no. Refer to applicable Data Verification Guidelines to determine appropriate action.

☑ Yes ☐ No ☐ NA **Was the Chain of Custody intact?**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Were custody seals intact on samples bottles and/or coolers as necessary?**

If no: Notes: Bottles and cooler

☑ Yes ☐ No ☐ NA **Were cooler temperatures within the acceptable range of 0-6°C?**

If no: Notes: 3.2°C

☑ Yes ☐ No ☐ NA **Were samples physically and chemically preserved properly (i.e. no bubbles in VOC vials)**

If no: Notes: ____

☐ Yes ☑ No ☐ NA **Was the case narrative of the analytical report free of any quality issues, discrepancies, etc.?**

If no: Notes: ① See comments

☑ Yes ☐ No ☐ NA **Were all samples labeled, analyzed, and reported correctly? (no samples held, no wrong analyses, etc.)**

If no: If within holding time, call lab immediately. Notes: ____

☑ Yes ☐ No ☐ NA **Were all samples analyzed within holding time?**

If no: Notes: ____

☑ Yes ☐ No ☐ NA **Were appropriate analytes reported?**

If no: Notes: ____

☐ Yes ☐ No ☑ NA **Were soil and/or sediment concentrations reported appropriately? (DW vs WW)**

If no: Call lab immediately to verify. Notes: ____

☐ Yes ☐ No ☑ NA **If analyzed for the following parameters, was the following true for all analytes?**

- ☐ Yes ☐ No ☑ NA Total metals ≥ Dissolved metals
- ☐ Yes ☐ No ☑ NA TKN > Organic nitrogen
- ☐ Yes ☐ No ☑ NA TKN > Ammonia (NH_3)
- ☐ Yes ☐ No ☑ NA COD > TOC
- ☐ Yes ☐ No ☑ NA COD > BOD

If no: Report to project manager and contact lab's QA/QC manager if needed. Notes: ____

☑ Yes ☐ No ☐ NA **Were method detection limits (MDL), reporting limits (RLs), and/or dilution factors appropriate?**

If no: Report to project manager and contact lab if needed. Notes: ____

☑ Yes ☐ No ☐ NA **Were surrogate % recoveries within the acceptable range of LCL ≤ x ≤ UCL?**

If no: Notes: ____

☐ Yes ☑ No ☐ NA **Were target analytes detected in any field, equipment, and/or laboratory blanks?**

If yes: Notes: ____

Brown AND Caldwell : **LABORATORY DATA VERIFICATION FORM**

☐ Yes ☐ No ☑ NA **Were any target analytes detected below practical quantitation limits (PQLs)?**
If yes: Notes: _____

☐ Yes ☑ No ☐ NA **Were any sample duplicates collected?**
If yes: Notes: _____

☐ Yes ☑ No ☐ NA **Were any laboratory duplicates reported for project samples?**
If yes: Notes: _____

☑ Yes ☐ No ☐ NA **Were any matrix spikes reported for project samples?**
If yes: Notes: No issues to report

☑ Yes ☐ No ☐ NA **Were any laboratory control samples reported?**
If yes: Notes: No issues to report

☐ Yes ☑ No ☐ NA **Were calibration standards reported?**
If yes: Notes: _____

4. COMMENTS & SUMMARY OF ACTIONS TAKEN (Attach additional pages if necessary)

① According to the case narrative, no analyses were requested for 14104-MW-4b, but VOC vials were received. The lab proceeded with VOC analysis.
Also, per Brian Steele, no analysis is needed for 14104-MW-21.
No actions required.

SE Jones
Signature of Data Verifier

(Rev 3/14/13 - SEJ)

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 22, 2014

TRISH REIFENBERGER P.E.
BROWN AND CALDWELL
990 Hammond Drive
Atlanta GA 30328

TEL: (770) 673-3630
FAX: (770) 396-9495

RE: Hill Shire Farms

Dear TRISH REIFENBERGER P.E.: Order No: 1404E98

Analytical Environmental Services, Inc. received 5 samples on 4/14/2014 4:20:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Tara Esbeck

Tara Esbeck
Project Manager

ATLANTIC ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1404E78

Date: _____ Page 1 of 1

COMPANY: Brown & Caldwell
ADDRESS: 990 Hammond Drive Ste. 400 Atlanta, Ga
PHONE:
FAX:
SAMPLED BY: Stala & Steele
SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOC	TOC	Nitrate	Sulfate	Ferrous Iron	Methane	No # of Containers
	PRESERVATION (See codes)						HI	P	I	I	I	HI	
1	14104-MW-20 ✓	4-16-14	1235	X		GW	X						2
2	14104-MW-21	4-16-14	1405	X			X						2
3	14104-MW-6 ✓	4-16-14	1515	X			X	X	X	X	X	X	3
4							X	X	X	X	X	X	0
5	14104-MW-4B ✓	4-16-14	1155	X									
6	14104-FB ✓	4-16-14	1210	X		W	X						
7	TRIP Blanks ✓	—	—	X		W	X						
8													
9													
10													
11													
12													
13													
14													

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

REMARKS

4 NO SAMPLE

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	4-14-14 1620	1: [signature]	4/14/14 1620
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:
All Samples on 4/14/14

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: Hillshire Farms
PROJECT #:
SITE ADDRESS:
SEND REPORT TO: TReifenberger@brwncald.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? (Y) / N; Fax? Y / N
DATA PACKAGE: I (II) III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy: Original

Analytical Environmental Services, Inc

Date: 22-Apr-14

Client: BROWN AND CALDWELL
Project: Hill Shire Farms
Lab ID: 1404E98

Case Narrative

On the COC for sample 1404e98-4a (14104-mw-4b), there was no analysis requested, but 2 VOC vials were received. The sample was analyzed for VOC.

No analysis is required for "14104-MW-21" per Brian Steele on 4/16/14.

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-20 ✓
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 12:35:00 PM
Lab ID:	1404E98-001	**Matrix:**	Groundwater ✓

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
2-Butanone	BRL	50		ug/L	189753	1	04/16/2014 16:00	GK
2-Hexanone	BRL	10		ug/L	189753	1	04/16/2014 16:00	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189753	1	04/16/2014 16:00	GK
Acetone	BRL	50		ug/L	189753	1	04/16/2014 16:00	GK
Benzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Bromodichloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Bromoform	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Bromomethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Carbon disulfide	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Carbon tetrachloride	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Chlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Chloroethane	BRL	10		ug/L	189753	1	04/16/2014 16:00	GK
Chloroform	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Chloromethane	BRL	10		ug/L	189753	1	04/16/2014 16:00	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Cyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Dibromochloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Dichlorodifluoromethane	BRL	10		ug/L	189753	1	04/16/2014 16:00	GK
Ethylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Freon-113	BRL	10		ug/L	189753	1	04/16/2014 16:00	GK
Isopropylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
m,p-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Methyl acetate	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Methylcyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Methylene chloride	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
o-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-20
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 12:35:00 PM
Lab ID:	1404E98-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Tetrachloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Toluene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Trichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:00	GK
Vinyl chloride	BRL	2.0		ug/L	189753	1	04/16/2014 16:00	GK
Surr: 4-Bromofluorobenzene	91.4	66.2-120		%REC	189753	1	04/16/2014 16:00	GK
Surr: Dibromofluoromethane	101	79.5-121		%REC	189753	1	04/16/2014 16:00	GK
Surr: Toluene-d8	97.5	77-117		%REC	189753	1	04/16/2014 16:00	GK

Qualifiers:

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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-6
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 3:15:00 PM ✓
Lab ID:	1404E98-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	2.10	1.00		mg/L	R265924	1	04/18/2014 14:45	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
2-Butanone	BRL	50		ug/L	189753	1	04/16/2014 16:28	GK
2-Hexanone	BRL	10		ug/L	189753	1	04/16/2014 16:28	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189753	1	04/16/2014 16:28	GK
Acetone	BRL	50		ug/L	189753	1	04/16/2014 16:28	GK
Benzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Bromodichloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Bromoform	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Bromomethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Carbon disulfide	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Carbon tetrachloride	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Chlorobenzene	9.7	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Chloroethane	BRL	10		ug/L	189753	1	04/16/2014 16:28	GK
Chloroform	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Chloromethane	BRL	10		ug/L	189753	1	04/16/2014 16:28	GK
cis-1,2-Dichloroethene	12	5.0		ug/L	189753	1	04/16/2014 16:28	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Cyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Dibromochloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Dichlorodifluoromethane	BRL	10		ug/L	189753	1	04/16/2014 16:28	GK
Ethylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Freon-113	BRL	10		ug/L	189753	1	04/16/2014 16:28	GK
Isopropylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
m,p-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Methyl acetate	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK

Qualifiers:

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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-6
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 3:15:00 PM
Lab ID:	1404E98-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Methylcyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Methylene chloride	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
o-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Styrene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Tetrachloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Toluene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Trichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:28	GK
Vinyl chloride	BRL	2.0		ug/L	189753	1	04/16/2014 16:28	GK
Surr: 4-Bromofluorobenzene	91	66.2-120		%REC	189753	1	04/16/2014 16:28	GK
Surr: Dibromofluoromethane	103	79.5-121		%REC	189753	1	04/16/2014 16:28	GK
Surr: Toluene-d8	97.9	77-117		%REC	189753	1	04/16/2014 16:28	GK
ION SCAN SW9056A								
Nitrate	BRL	0.25		mg/L	R265608	1	04/15/2014 09:24	GR
Sulfate	3.4	1.0		mg/L	R265608	1	04/15/2014 09:24	GR
GC Analysis of Gaseous Samples SOP-RSK 175				(RSK175)				
Methane	160	4		ug/L	189915	1	04/18/2014 15:21	SH
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	2.05	0.200		mg/L	R265571	2	04/15/2014 09:30	AB

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-4B
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 11:55:00 AM ✓
Lab ID:	1404E98-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
2-Butanone	BRL	50		ug/L	189753	1	04/16/2014 16:55	GK
2-Hexanone	BRL	10		ug/L	189753	1	04/16/2014 16:55	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189753	1	04/16/2014 16:55	GK
Acetone	BRL	50		ug/L	189753	1	04/16/2014 16:55	GK
Benzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Bromodichloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Bromoform	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Bromomethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Carbon disulfide	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Carbon tetrachloride	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Chlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Chloroethane	BRL	10		ug/L	189753	1	04/16/2014 16:55	GK
Chloroform	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Chloromethane	BRL	10		ug/L	189753	1	04/16/2014 16:55	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Cyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Dibromochloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Dichlorodifluoromethane	BRL	10		ug/L	189753	1	04/16/2014 16:55	GK
Ethylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Freon-113	BRL	10		ug/L	189753	1	04/16/2014 16:55	GK
Isopropylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
m,p-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Methyl acetate	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Methylcyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Methylene chloride	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
o-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-MW-4B
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 11:55:00 AM
Lab ID:	1404E98-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Tetrachloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Toluene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Trichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189753	1	04/16/2014 16:55	GK
Vinyl chloride	BRL	2.0		ug/L	189753	1	04/16/2014 16:55	GK
Surr: 4-Bromofluorobenzene	87.3	66.2-120		%REC	189753	1	04/16/2014 16:55	GK
Surr: Dibromofluoromethane	√ 96.7	79.5-121		%REC	189753	1	04/16/2014 16:55	GK
Surr: Toluene-d8	94.9	77-117		%REC	189753	1	04/16/2014 16:55	GK

Qualifiers:	* Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
	BRL Below reporting limit	S	Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr	See case narrative
	N Analyte not NELAC certified	NC	Not confirmed
	B Analyte detected in the associated method blank	<	Less than Result value
	> Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-EB
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 12:10:00 PM
Lab ID:	1404E98-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
2-Butanone	BRL	50		ug/L	189753	1	04/16/2014 15:33	GK
2-Hexanone	BRL	10		ug/L	189753	1	04/16/2014 15:33	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189753	1	04/16/2014 15:33	GK
Acetone	BRL	50		ug/L	189753	1	04/16/2014 15:33	GK
Benzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Bromodichloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Bromoform	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Bromomethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Carbon disulfide	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Carbon tetrachloride	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Chlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Chloroethane	BRL	10		ug/L	189753	1	04/16/2014 15:33	GK
Chloroform	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Chloromethane	BRL	10		ug/L	189753	1	04/16/2014 15:33	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Cyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Dibromochloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Dichlorodifluoromethane	BRL	10		ug/L	189753	1	04/16/2014 15:33	GK
Ethylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Freon-113	BRL	10		ug/L	189753	1	04/16/2014 15:33	GK
Isopropylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
m,p-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Methyl acetate	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Methylcyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Methylene chloride	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
o-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14104-EB
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014 12:10:00 PM
Lab ID:	1404E98-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Tetrachloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Toluene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Trichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:33	GK
Vinyl chloride	BRL	2.0		ug/L	189753	1	04/16/2014 15:33	GK
Surr: 4-Bromofluorobenzene	89	66.2-120		%REC	189753	1	04/16/2014 15:33	GK
Surr: Dibromofluoromethane	97.8	79.5-121		%REC	189753	1	04/16/2014 15:33	GK
Surr: Toluene-d8	95.9	77-117		%REC	189753	1	04/16/2014 15:33	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014
Lab ID:	1404E98-006	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,1-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,1-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,2-Dibromoethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,2-Dichloroethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,2-Dichloropropane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
2-Butanone	BRL	50		ug/L	189753	1	04/16/2014 15:06	GK
2-Hexanone	BRL	10		ug/L	189753	1	04/16/2014 15:06	GK
4-Methyl-2-pentanone	BRL	10		ug/L	189753	1	04/16/2014 15:06	GK
Acetone	BRL	50		ug/L	189753	1	04/16/2014 15:06	GK
Benzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Bromodichloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Bromoform	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Bromomethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Carbon disulfide	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Carbon tetrachloride	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Chlorobenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Chloroethane	BRL	10		ug/L	189753	1	04/16/2014 15:06	GK
Chloroform	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Chloromethane	BRL	10		ug/L	189753	1	04/16/2014 15:06	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Cyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Dibromochloromethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Dichlorodifluoromethane	BRL	10		ug/L	189753	1	04/16/2014 15:06	GK
Ethylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Freon-113	BRL	10		ug/L	189753	1	04/16/2014 15:06	GK
Isopropylbenzene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
m,p-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Methyl acetate	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Methylcyclohexane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Methylene chloride	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
o-Xylene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 22-Apr-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Farms	**Collection Date:**	4/14/2014
Lab ID:	1404E98-006	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Tetrachloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Toluene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Trichloroethene	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Trichlorofluoromethane	BRL	5.0		ug/L	189753	1	04/16/2014 15:06	GK
Vinyl chloride	BRL	2.0		ug/L	189753	1	04/16/2014 15:06	GK
Surr: 4-Bromofluorobenzene	90.9	66.2-120		%REC	189753	1	04/16/2014 15:06	GK
Surr: Dibromofluoromethane	96.4	79.5-121		%REC	189753	1	04/16/2014 15:06	GK
Surr: Toluene-d8	96.6	77-117		%REC	189753	1	04/16/2014 15:06	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Brown & Caldwell Work Order Number 1404E98

Checklist completed by [signature] 4.14.14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes ✓	No __	Not Present __
Custody seals intact on sample bottles?	Yes ✓	No __	Not Present __
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes ✓	No __	

Cooler #1 3.2 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes ✓	No __
Proceed with Standard TAT as per project history?	Yes __	No __ Not Applicable ✓
Water - VOA vials have zero headspace?	No VOA vials submitted __	Yes ✓ No __
Water - pH acceptable upon receipt?	Yes ✓	No __ Not Applicable __

Adjusted? _____ Checked by Ø

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc

Date: 22-Apr-14

Client: BROWN AND CALDWELL
Project: Hill Shire Farms
Lab Order: 1404E98

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1404E98-001A	14104-MW-20	4/14/2014 12:35:00PM	Groundwater	TCL VOLATILE ORGANICS		04/15/2014	04/16/2014
1404E98-003A	14104-MW-6	4/14/2014 3:15:00PM	Groundwater	TCL VOLATILE ORGANICS		04/15/2014	04/16/2014
1404E98-003B	14104-MW-6	4/14/2014 3:15:00PM	Groundwater	GC Analysis of Gaseous Samples		04/18/2014	04/18/2014
1404E98-003C	14104-MW-6	4/14/2014 3:15:00PM	Groundwater	Total Organic Carbon (TOC)			04/18/2014
1404E98-003D	14104-MW-6	4/14/2014 3:15:00PM	Groundwater	Ferrous Iron			04/15/2014 ✓
1404E98-003E	14104-MW-6	4/14/2014 3:15:00PM	Groundwater	ION SCAN			04/15/2014
1404E98-004A	14104-MW-4B	4/14/2014 11:55:00AM	Groundwater	TCL VOLATILE ORGANICS		04/15/2014	04/16/2014
1404E98-005A	14104-EB	4/14/2014 12:10:00PM	Groundwater	TCL VOLATILE ORGANICS		04/15/2014	04/16/2014
1404E98-006A	TRIP BLANK	4/14/2014 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		04/15/2014	04/16/2014

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: 189753

Sample ID: **MB-189753** Client ID:
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **04/15/2014** Run No: **265566**
BatchID: **189753** Analysis Date: **04/15/2014** Seq No: **5596580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: 189753

Sample ID: **MB-189753** Client ID: Units: **ug/L** Prep Date: **04/15/2014** Run No: **265566**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189753** Analysis Date: **04/15/2014** Seq No: **5596580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	47.64	0	50.00		95.3	66.2	120				
Surr: Dibromofluoromethane	50.16	0	50.00		100	79.5	121				
Surr: Toluene-d8	48.97	0	50.00		97.9	77	117				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: 189753

Sample ID: **LCS-189753** Client ID:
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **04/15/2014** Run No: **265566**
BatchID: **189753** Analysis Date: **04/15/2014** Seq No: **5596907**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.63	5.0	50.00		119	63.1	140				
Benzene	53.58	5.0	50.00		107	74.2	129				
Chlorobenzene	52.75	5.0	50.00		106	70	129				
Toluene	53.39	5.0	50.00		107	74.2	129				
Trichloroethene	54.27	5.0	50.00		109	71.2	135				
Surr: 4-Bromofluorobenzene	47.66	0	50.00		95.3	66.2	120				
Surr: Dibromofluoromethane	49.42	0	50.00		98.8	79.5	121				
Surr: Toluene-d8	50.09	0	50.00		100	77	117				

Sample ID: **1404D14-001AMS** Client ID:
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **04/15/2014** Run No: **265566**
BatchID: **189753** Analysis Date: **04/15/2014** Seq No: **5596918**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	67.10	5.0	50.00		134	60.2	159				
Benzene	52.97	5.0	50.00		106	70.2	138				
Chlorobenzene	53.30	5.0	50.00		107	70.1	133				
Toluene	53.39	5.0	50.00		107	70	139				
Trichloroethene	53.05	5.0	50.00		106	70.1	144				
Surr: 4-Bromofluorobenzene	49.17	0	50.00		98.3	66.2	120				
Surr: Dibromofluoromethane	50.18	0	50.00		100	79.5	121				
Surr: Toluene-d8	49.23	0	50.00		98.5	77	117				

Sample ID: **1404D14-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **04/15/2014** Run No: **265566**
BatchID: **189753** Analysis Date: **04/15/2014** Seq No: **5596920**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	70.53	5.0	50.00		141	60.2	159	67.10	4.98	19.2	
Benzene	54.89	5.0	50.00		110	70.2	138	52.97	3.56	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: 189753

Sample ID: **1404D14-001AMSD** Client ID: Units: **ug/L** Prep Date: **04/15/2014** Run No: **265566**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **189753** Analysis Date: **04/15/2014** Seq No: **5596920**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	53.01	5.0	50.00		106	70.1	133	53.30	0.546	20	
Toluene	53.45	5.0	50.00		107	70	139	53.39	0.112	20	
Trichloroethene	54.03	5.0	50.00		108	70.1	144	53.05	1.83	20	
Surr: 4-Bromofluorobenzene	47.40	0	50.00		94.8	66.2	120	49.17	0	0	
Surr: Dibromofluoromethane	48.04	0	50.00		96.1	79.5	121	50.18	0	0	
Surr: Toluene-d8	49.22	0	50.00		98.4	77	117	49.23	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: 189915

Sample ID: MB-189915	Client ID:				Units: ug/L	Prep Date: 04/18/2014			Run No: 265887	
SampleType: MBLK	TestCode: GC Analysis of Gaseous Samples SOP-RSK 175				BatchID: 189915	Analysis Date: 04/18/2014			Seq No: 5603124	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Methane	✓ BRL	4								

Sample ID: LCS-189915	Client ID:				Units: ug/L	Prep Date: 04/18/2014			Run No: 265887	
SampleType: LCS	TestCode: GC Analysis of Gaseous Samples SOP-RSK 175				BatchID: 189915	Analysis Date: 04/18/2014			Seq No: 5603142	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Methane	128.3	4	200.0		✓ 64.1	45.2	115			

Sample ID: LCSD-189915	Client ID:				Units: ug/L	Prep Date: 04/18/2014			Run No: 265887	
SampleType: LCSD	TestCode: GC Analysis of Gaseous Samples SOP-RSK 175				BatchID: 189915	Analysis Date: 04/18/2014			Seq No: 5603200	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Methane	122.0	4	200.0		✓ 61.0	45.2	115	128.3	5.01	20

Sample ID: 1404E88-005BMS	Client ID:				Units: ug/L	Prep Date: 04/18/2014			Run No: 265887	
SampleType: MS	TestCode: GC Analysis of Gaseous Samples SOP-RSK 175				BatchID: 189915	Analysis Date: 04/18/2014			Seq No: 5605260	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Methane	231.2	4	200.0	118.5	✓ 56.4	41.1	115			

Sample ID: 1404E88-005BMSD	Client ID:				Units: ug/L	Prep Date: 04/18/2014			Run No: 265887	
SampleType: MSD	TestCode: GC Analysis of Gaseous Samples SOP-RSK 175				BatchID: 189915	Analysis Date: 04/18/2014			Seq No: 5605265	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Methane	228.9	4	200.0	118.5	✓ 55.2	41.1	115	231.2	✓ 0.989	20

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 22-Apr-14

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: R265571

Sample ID: **MB-R265571**	Client ID:				Units: **mg/L**	Prep Date:			Run No: **265571**	
SampleType: **MBLK**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**			Seq No: **5595464**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	BRL	0.100									

Sample ID: **LCS-R265571**	Client ID:				Units: **mg/L**	Prep Date:			Run No: **265571**	
SampleType: **LCS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**			Seq No: **5595465**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4892	0.100	0.5000		97.8	85	115				

Sample ID: **1404E98-003DMS**	Client ID: **14104-MW-6**				Units: **mg/L**	Prep Date:			Run No: **265571**	
SampleType: **MS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**			Seq No: **5595468**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	2.584	0.200	0.5000	2.054	106	80	120				

Sample ID: **1404E98-003DMSD**	Client ID: **14104-MW-6**				Units: **mg/L**	Prep Date:			Run No: **265571**	
SampleType: **MSD**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R265571**	Analysis Date: **04/15/2014**			Seq No: **5595472**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	2.572	0.200	0.5000	2.054	104	80	120	2.584	0.450	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 22-Apr-14

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: R265608

Sample ID: **MB-R265608** Client ID: Units: **mg/L** Prep Date: Run No: **265608**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R265608** Analysis Date: **04/15/2014** Seq No: **5596167**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	BRL	0.25									
Sulfate	BRL	1.0									

Sample ID: **LCS-R265608** Client ID: Units: **mg/L** Prep Date: Run No: **265608**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R265608** Analysis Date: **04/15/2014** Seq No: **5596170**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfate	26.59	1.0	25.00		106	90	110				

Sample ID: **1404E98-003EMS** Client ID: **14104-MW-6** Units: **mg/L** Prep Date: Run No: **265608**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R265608** Analysis Date: **04/15/2014** Seq No: **5596201**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	25.53	1.2	25.00	0.08760	102	90	110				
Sulfate	131.5	5.0	125.0	3.410	102	90	110				

Sample ID: **1404E98-003EMSD** Client ID: **14104-MW-6** Units: **mg/L** Prep Date: Run No: **265608**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R265608** Analysis Date: **04/15/2014** Seq No: **5596207**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	25.44	1.2	25.00	0.08760	101	90	110	25.53	0.361	20	
Sulfate	130.6	5.0	125.0	3.410	102	90	110	131.5	0.699	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc **Date:** 22-Apr-14

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1404E98

ANALYTICAL QC SUMMARY REPORT

BatchID: R265924

Sample ID: MB-R265924	Client ID:				Units: mg/L	Prep Date:			Run No: 265924	
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) SW9060A				BatchID: R265924	Analysis Date: 04/18/2014			Seq No: 5604624	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	✓ BRL	1.00									

Sample ID: LCS-R265924	Client ID:				Units: mg/L	Prep Date:			Run No: 265924	
SampleType: LCS	TestCode: Total Organic Carbon (TOC) SW9060A				BatchID: R265924	Analysis Date: 04/18/2014			Seq No: 5604623	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	24.00	1.00	25.00		✓ 96.0	90	110				

Sample ID: 1404E98-003CMS	Client ID: 14104-MW-6				Units: mg/L	Prep Date:			Run No: 265924	
SampleType: MS	TestCode: Total Organic Carbon (TOC) SW9060A				BatchID: R265924	Analysis Date: 04/18/2014			Seq No: 5604630	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	28.21	1.00	25.00	2.102	✓ 104	80	120				

Sample ID: 1404E98-003CMSD	Client ID: 14104-MW-6				Units: mg/L	Prep Date:			Run No: 265924	
SampleType: MSD	TestCode: Total Organic Carbon (TOC) SW9060A				BatchID: R265924	Analysis Date: 04/18/2014			Seq No: 5604631	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	28.16	1.00	25.00	2.102	✓ 104	80	120	28.21	✓ 0.177	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Appendix F: Laboratory Stipulation Letter

AES

Analytical Environmental Services, Inc.,
3785 Presidential Parkway
Atlanta, GA 30340

Stipulation of Approval for Commercial Laboratory

According to Georgia State Law (O.C.G.A. 12-2-9) Commercial Rules for Commercial Laboratory Accreditation, any person submitting data to EPD prepared by a commercial laboratory shall stipulate that the laboratory is approved (Chapter 391-3-26-.05). The following information is provided as requested.

Laboratory	Analytical Environmental Services, Inc. (AES) 3785 Presidential Parkway, NE Atlanta, GA 30340 (770) 457-8177
Accredited By:	State of Florida, Department of Health, Bureau of Laboratories; Accrediting NELAP Authority
Accreditation ID:	E87582
Scope:	Clean Water Act – Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides, PCBs, Volatile Organics RCRA/CERCLA – Extractable Organics, General Chemistry, Metals, Pesticides-Herbicides, PCBs, Volatile Organics
Effective:	July 1, 2013
Expires:	June 30, 2014

I further certify that the sample(s) for which this data is being submitted has been handled pursuant to the appropriate chain of custody. Any question regarding this stipulation of approval may be directed to AES at 770 457-8177. Thank you for your business and please do not hesitate contacting us if we can be of further assistance.

James Forrest

Director of Project Management
December 11, 2013