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

Prepared for

The Hillshire Brands Company
Rathon Corp.

December 2014

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

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December 2014

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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.

December 23, 2014

(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 July and December 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 July to December 2014, and as such provides the results of the semiannual groundwater sampling performed in October 2014, describes steps taken to execute land use covenants with neighboring property owners, and details progress toward sampling an existing well on the neighboring Crimson Three Partners LLP (Crimson) property formerly owned by Olympic Associates LLC (OA) and including 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. Section 3 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. Engineers' services this period are summarized in Section 5. Limitations associated with the use of the report are noted in Section 6.

Section 2

Work Performed this Period

Work at the Site since the last submittal to the EPD, which was the June 2014 Semiannual Progress Report, has consisted of:

- Groundwater gauging and sampling in October 2014
- Efforts to execute land use covenants with neighboring property owners
- Communication with the owner of the neighboring Crimson property to obtain access to sample a well on that property and include the property as a Qualifying Property under the Site's VRP application.

These activities are discussed in the following sections.

2.1 Semiannual Sampling

The semiannual groundwater monitoring was conducted October 6 through October 8, 2014 as described below. Figure 2-1 provides a Site plan for reference.

2.1.1 Well Gauging

The depth to groundwater in 41 monitoring, delineation, and injection wells at and near the Site was measured to determine the potentiometric surface. The measurements were taken on October 6, 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.

2.1.2 Sample Collection

Groundwater samples were collected from 11 monitoring wells as shown in Table 2-1, which reflects the updated monitoring program 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 United States Environmental Protection Agency (USEPA) procedures.[1] 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. In each case 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 A.

[1] USEPA, *Groundwater Sampling Operating Procedure,* SESDPROC-301-R3, Science and Ecosystem Support Division, Athens, Georgia, March 6, 2013.

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 A. 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 B. 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 (three total)
- One trip blank for each day samples were submitted to the laboratory (three samples)
- One duplicate sample (from monitoring well MW-8).

2.1.3 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 C with the laboratory reports. A letter stipulating that this laboratory is approved per the Georgia Rules for Commercial Environmental Laboratories is provided in Appendix D.

The samples were analyzed for the parameters shown in Table 2-1 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-6, MW-8 and MW-12
- Total Manganese (USEPA Method 6010C) – Well MW-8 (located in the vicinity of the previous in situ chemical oxidation [ISCO] injections).

2.1.4 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[2] 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?

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

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.

2.2 Communication with Property Owner to the Southwest

The EPD has previously stated that they believe that the subject Site is the likely source of groundwater impact measured in the wells on the former OA property located southwest of the Site. Since the impact in monitoring wells MW-9a and MW-9b was identified, Hillshire and Rathon have concluded that the impact on that property did not originate on the subject Site. Nevertheless, in an effort to complete delineation and close-out environmental investigations at the Site more quickly, Hillshire and Rathon requested permission from OA to sample the existing wells and/or install new wells on that property several times over the last several years, with no affirmative response from OA.

As previously noted, the former OA property was purchased by Crimson this fall, however, and the new property owners have agreed to cooperate relative to this VRP investigation. Specifically, they have agreed to allow Hillshire and Rathon to sample one or both of the existing monitoring wells on their property, enroll their property as a Qualifying Property respecting the Former Olympic Manufacturing Site's existing VRP application, and record an environmental land use covenant (ELUC) that would prohibit the use of groundwater on their property. Hillshire and Rathon and Crimson have agreed to the terms of an access agreement, and sampling of the Crimson wells is planned for early 2015, provided that EPD approval of the form of agreements is received timely.

2.3 Environmental Covenants

As described in Section 4, ELUCs prohibiting future use or extraction of groundwater will also be used to demonstrate compliance with Site cleanup levels. Hillshire and Rathon are pursuing ELUCs with five owners of property affected by the constituents of concern (COCs) from the Site. These owners are listed below and the respective properties are shown on Figure 2-2:

- Airgas Refrigerants, Inc. (Airgas)- the current owner of the Former Olympic Manufacturing/Diversey property (tax parcel identification numbers [ID nos.] 17096200150 and 17096200220);
- Cobb County Department of Transportation (CCDOT) - two parcels: 1) Olympic Industrial Drive north and northeast of the Site, and 2) South Atlanta Road (on the north side of the Wesley property). No tax ID no. is issued for government owned property;
- CSX Transportation, Inc. (CSXT)/State Properties Commission (SPC) - active rail line property northeast of the Site. No tax ID no. is issued for government owned property;
- Wesley Properties- property northeast of the Site across the rail line (tax ID no. 17096200070);
- Crimson- property southwest of the Site formerly owned by OA (tax ID no. 17096200140).

Substantial effort has been applied during this reporting period in an effort to gain approval from these property owners to enroll their properties as Qualifying Properties under the Site's VRP application and to execute ELUCs that prohibit the use of the groundwater on the properties. These efforts are summarized on Table 2-2.

Progress has been made on four of the five properties. The terms of the ELUC with Crimson have been agreed upon by Crimson and Hillshire and Rathon, and were sent to the EPD for approval on December 3, 2014. Given EPD's adoption of a new form of Covenant for sites where only groundwater is a concern, the opportunity to execute a simpler form of Covenant has now been explained to counsel for Crimson, and we expect response soon. Airgas and CCDOT have agreed in concept with the draft ELUCs and discussions are continuing to finalize the agreements. It was recently determined that although CSXT was able to execute an

access agreement for well installation and sampling, the rail line property is actually owned by the state of Georgia through the SPC. Discussions have been initiated with the SPC and a draft ELUC has been presented.

No response has been received from Wesley Properties, however, despite numerous written and telephone communications. Hillshire and Rathon will follow-up at least once more with this property owner in an effort to obtain cooperation; however, we request EPD's assistance in obtaining Wesley's attention. In recent communications we have emphasized that permission to install a well is no longer being requested and that the only restriction would be on the use of groundwater, which is already required by Cobb County code; however, they have still not responded. A letter from the EPD supporting this approach and emphasizing that the only requirement other than association of the property with the Olympic Site is a restriction on installation of wells to extract groundwater may help gain their cooperation.

Section 3

Sampling Results

This section presents and discusses the results of the semiannual groundwater sampling conducted between July and December 2014 described in Section 2. The groundwater sampling yielded groundwater level measurements, field water quality data, and laboratory chemical concentration data that 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 October 2014 are presented on Figures 3-2 and 3-3, respectively.

Groundwater elevations in the wells screened in the shallow aquifer in October 2014 were generally lower than levels measured in April 2014 (Table 3-1b). Lower water levels are typically observed at this Site in the fall, particularly in the shallow wells. In this case, the water levels dropped an average of 1.59 feet between the April 2014 and October 2014 events, but were also an average of 0.90 feet higher than in October 2013. Water levels were also lower in the upper bedrock wells in this event, an average of 0.97 feet lower than in April 2014.

Consistent with past events, the October 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). The only notable change in groundwater levels is that the water level in MW-9a dropped 3.79 feet between April 2014 and October 2014, and was 2.52 feet lower in October 2014 than in October 2013. As a result of this drop in water level at MW-9a, the water level in monitoring well MW-6 was 0.75 feet higher than in monitoring well MW-9a. 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. Water levels at the southern end of the property where MW-6 is located may still be affected by the soil disturbance associated with the installation of the concrete valve vault adjacent to monitoring well MW-6 (see discussion on page 2-3 of the June 2014 Semiannual Progress Report). The vault construction appears to have changed surface drainage in this area resulting in increased infiltration near this well.

3.2 Groundwater Chemical Concentration Data

The analytical results for the groundwater samples collected in October 2014 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 (Table 3-3 only) and cleanup standards. Figures 3-4 through 3-6 illustrate all the recent detections, 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 A and the current and historical purging data are tabulated in Appendix B. Copies of the analytical reports are provided in Appendix C. The laboratory stipulation letter is provided in Appendix D.

3.2.1 Organic Compounds

Concentrations at the Site are generally similar to those in previous monitoring events with a few exceptions noted in this section. Observations regarding the organic compounds detected in October 2014 are noted below.

- In the groundwater in the north parking lot:
  - Cis-1,-2-dichloroethene (cis-1,2-DCE) was the parameter detected in highest concentration.
  - Total VOC concentrations of parameters exceeding their respective detection limits in the sample from well MW-4a were slightly lower in October 2014 than in April 2014 (6,480 microgram per liter [µg/L] versus (vs.) 6,859 µg/L, respectively).
  - Total VOC concentrations of parameters exceeding their respective detection limits in the October 2014 sample from monitoring well MW-8 (5,707 µg/L) were higher than in April 2014 (4,774 µg/L).
  - Three VOCs (vinyl chloride [VC], carbon disulfide, and cis-1,2-DCE) were measured in monitoring well MW-4b at concentrations just above their respective detection limits (4.2 µg/L vs. 2.0 µg/L for VC, 7.7 µg/L vs. 5.0 µg/L for carbon disulfide, and 5.7 µg/L vs. 5.0 µg/L for cis-1,2-DCE); however, only the VC concentration exceeded a cleanup level. VOC concentrations in this well have fluctuated around the detection level in past events.
- Monitoring well MW-12 is cross-gradient and slightly downgradient of the impacted sump are in the north parking lot. In this well all VOC concentrations measured were below the VRP cleanup level.
- In the sample from monitoring well 0W-72 further downgradient, concentrations of cis-1,2-DCE, tetrachloroethene (PCE), trichloroethene (TCE), and VC exceeded their VRP cleanup levels; however, all VOCs are in compliance with the cleanup levels further downgradient in the sample from well 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 sidegradient well to the east, MW-21.
- Chloroform was not detected in any monitoring wells at the Site in this event.

Elsewhere on the Site:

- In the sample from monitoring well MW-2, TCE slightly exceeded the cleanup level (40 µg/L vs. 35 µg/L) and two chemicals exceeded the delineation levels (18 µg/L vs. 7 µg/L for 1,1-dichloroethene, and 190 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, the level of chlorobenzene slightly exceeded the cleanup level (150 µg/L vs. 136 µg/L); however, concentrations in this well have fluctuated significantly in the past and the measured value is within the range of prior fluctuation. Concentrations of two chemicals exceeded the delineation levels (130 µg/L vs. 70 µg/L for cis-1,2-DCE, and 9.3 µg/L vs. 5 µg/L for TCE). All other VOCs detected were below the VRP delineation and cleanup levels. As monitoring well MW-11 is located along the former rail line, chemicals detected at MW-11 may be associated with rail activities rather than on-site activities.
- 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.

3.2.2 Manganese

The manganese concentration in the sample from monitoring well MW-8 was 15,600 µg/L. Manganese is not a Site COC and is not regulated under HSRA, and thus remediation of this constituent is not planned.

3.2.3 Geochemical Parameters

Recent and historical geochemical data are shown in Table 3-4. In general, geochemical conditions in certain wells 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, MW-6 and MW-12 are indicative of reducing conditions (-134.5, -67.4 and -125.8 millivolts [mv], respectively), which are conducive to reductive dechlorination of chlorinated VOCs. In contrast, the ORP in the sample from MW-8 continues to trend positive/non-reducing (64.6 mv). Thus, natural reductive dechlorination activity would be more likely to occur in MW-4a, MW-6 and MW-12 and less likely to occur in 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 and MW-8 which is indicative of anaerobic conditions. However, only methane was observed in samples from wells MW-6 and MW-12.
- 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 and MW-12 at low concentrations of 0.216 mg/L and 19.7 mg/L, respectively. Ferrous iron continues to be not detectable in samples from wells MW-6 and 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 sampled (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.

3.2.4 Quality Assurance/Quality Control Samples

No chemicals were detected in any of the three 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 Table 3-2. 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. Concentrations at MW-2 and MW-11 have fluctuated around and below the delineation levels the last several years such that the extent of groundwater impact is considered to be delineated.

4.1.2 Off-site Horizontal Delineation

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

Site COCs have also been delineated on-site at the southern end of the Former Olympic Manufacturing property (in monitoring wells MW-6, MW-10, and MW-19). VOCs have been previously detected further south in off-site wells MW-9a and MW-9b; however, Hillshire and Rathon have considered these to be located hydrogeologically upgradient of the Site. While they continue to maintain that position, Hillshire and Rathon have taken EPD's suggestions regarding sampling on the Crimson (former OA) property under advisement. An access agreement has been negotiated, and Hillshire and Rathon are planning to sample one or more wells on the Crimson property.

4.1.3 Vertical Delineation

Nine monitoring wells are screened in the upper bedrock aquifer. All but one of these upper bedrock wells (MW-4b) are in complete compliance with the VRP delineation levels in this event. COC concentrations in that well have historically fluctuated around the delineation level and as EPD agreed in the September 29, 2011 and September 19, 2013 meetings with EPD, no additional delineation is necessary.

4.2 Status Relative to Cleanup Levels

Soil at the Site is in compliance with the soil cleanup levels; therefore, 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-4b, MW-8, and OW-72) currently exceed the VRP cleanup levels for four chemicals. Further downgradient in monitoring wells OW-74A, MW-20, and MW-21, all COCs are in compliance with the cleanup levels. Concentrations in monitoring well MW-12, located between the Site and well OW-72, also meet all of the cleanup levels, possibly reflecting beneficial residual effect from the previous ISCO injections around monitoring well MW-4a.

Where concentrations in monitoring wells do not meet the numeric groundwater cleanup levels, groundwater modeling and institutional controls, specifically an ELUC, will be used to demonstrate compliance with the VRP cleanup requirements. The groundwater modeling presented in Hillshire and Rathon's June 2013 report indicates that the VOC concentrations in groundwater downgradient of the Site will remain stable or contract both in mass and extent and will not reach the point of exposure (POE).

Environmental covenants prohibiting future use or extraction of groundwater will also be used to prevent exposure to Site contaminants in areas where the numeric cleanup levels are exceeded. As discussed in Section 2.3, with one exception, ELUCs are being negotiated with owners of the following properties (identified on Figure 2-2):

- The subject property that is now owned by Airgas
- The parcels owned by Cobb County at the end of Olympic Industrial Drive and along South Atlanta Road
- The adjoining property to the northeast owned by the SPC and leased by CSXT
- The property to the northeast across the rail line owned by Wesley Properties
- The property southwest of the Site formerly owned by OA and now owned by Crimson.

As noted in Section 2, Hillshire and Rathon have contacted all of these parties, and negotiations are proceeding well with all except Wesley Properties. Wesley has not responded to any of multiple letters and phone calls; therefore, we request EPD's assistance in engaging them in discussions regarding a potential ELUC.

To the East. Concentrations in samples from the wells along the east side of the Site are just above the VRP cleanup levels. The concentration of TCE slightly exceeded the cleanup level in the sample from well MW-2 (40 µg/L compared to 35 µg/L), which was also detected at a similar concentration above the cleanup level in April 2014, and was below the cleanup level in the previous event. The concentration of chlorobenzene in the sample from well MW-11 in this event only slightly exceeded the cleanup level (150 µg/L compared to 136 µg/L); additionally, levels in this well have historically fluctuated, having met all the cleanup levels in 16 of 21 events since it was installed. 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, Cobb County, SPC, Wesley, and Crimson 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**
Horizontal Delineation	Completed
Vertical Delineation	Completed
Submittal of Remediation Plan and Cost Estimate	Completed
Pursue Environmental Covenants with Airgas, Cobb County, SPC, Wesley, and Crimson	2014
Finalize Environmental Covenants	Early 2015
Semiannual Sampling	April, October 2015
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 June 12, 2014 and December 18, 2014.

Section 6

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.

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–5

MW–4b

MW–4a

ASPHALT

EXISTING ONE STORY WAREHOUSE

IW–4

IW–1

IW–6

IW–5

IW–2

IW–3

IW–9

IW–7

IW–10

IW–8

MW–1

MW–1R

OLYMPIC INDUSTRIAL COURT

17096200140

ASPHALT

MW–3R

MW–19

MW–5

MW–10

MW–13b

MW–13aR

ASPHALT

MW–15

ASPHALT
DRIVEWAY

LANDSCAPE AREA

MW–18

17096200220

SIDEWALK

17089900050

MW–7

MW–7R

CONCRETE
APRON

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

17096100070

OLYMPIC INDUSTRIAL DRIVE

MW–16

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

MW–14

MW–14b

MW–17

17096100090

SCALE IN FEET

0 30 60 120

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

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*

Dec 17, 2014 - 9:19am gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 2-1 - Site Plan.dwg

Brown AND Caldwell

Figure 2-1

Site Plan

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

R:\Projects\Sara_Lee\Mapdocs\Fig 2-2 Property Requiring land covenant_revised.mxd

17096100060
17096100030
17096100130
17096100120
17096000010
17096700010
17096100180
17090000230
17090000060
17090000070
17096100070
17096100090
17089900050
17089900020
17096200140
17096200130
17096200110
17096200120
17096200070
17096200050
17096200060
17096200040
17096200030
17096200020
17096600030
17096600040
17096600020
17096500030
17096500140
17096500130
17096500110
17096500040
17096500080
17096500180
17096500120
17096500070
07000003150

Cobb County
Olympic Industrial Drive
CSXT Rail Line (owned by State Properties Commission)
Former Olympic Manufacturing Site
Wesley Properties
Crimson Three Partners (Formerly Olympic Assoc.)

MW-1
MW-2
MW-3R
MW-4a
MW-4b
MW-6
MW-7
MW-7R
MW-8
MW-9a
MW-9b
MW-10
MW-11
MW-12
MW-13b
MW-13aR
MW-14
MW-14a
MW-15
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
OW-72
OW-74A
OW-74B
OW-77A
OW-77B

N

0 50 100 200
APPROXIMATE SCALE IN FEET

LEGEND

- Existing Monitoring Wells
- Estimated Area with Groundwater Concentrations Above VRP Cleanup Levels
- 17096200150 Cobb County Tax Parcel Identification Number (PIN)

Figure 2-2

Property Requiring Land Use Covenants

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive; Smyrna, Georgia

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	12/22/2014
SCALE:	AS SHOWN
DRAWN BY:	GS
CHECKED BY:	PCR
PROJECT #:	145686

CSX
RAILROAD
RIGHT OF WAY

17096200070

17096200150

17096200110

17096200130

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

MW-11
TOC= 833.80
GROUND= 834.13

TOC= 838.44
GROUND= 838.70

GROUND= 838.71
TOC= 840.52

MW-2

CONCRETE WALL

MW-C
TOC= 838.59
GROUND= 838.83

MW-B

MW-A
TOC= 837.96
GROUND= 838.32

TOC= 836.85
GROUND= 837.31
MW-6

MW-D
TOC= 837.71
GROUND= 838.05

MW-9a
TOC= 833.15
GROUND= 833.59

MW-9b
TOC= 833.19
GROUND= 834.43

MW-12
TOC= 834.97
GROUND= 835.25

RAILROAD

MW-4b
TOC= 839.13
GROUND= 839.31

MW-8
TOC= 838.52
GROUND= 838.81

MW-4a
TOC= 838.92
GROUND= 839.10

ASPHALT

EXISTING ONE STORY WAREHOUSE

MW-1
TOC= 838.52
GROUND= 838.97

MW-1R
TOC= 838.63
GROUND= 838.84

OLYMPIC INDUSTRIAL COURT

MW-3R
TOC= 839.79
GROUND= 839.96

MW-19
TOC= 837.20
GROUND= 837.65

MW-5
TOC= 838.27
GROUND= 838.48

MW-10
TOC= 836.37
GROUND= 836.66

17096200140

MW-13b
TOC= 836.96
GROUND= 837.16

MW-13aR
TOC= 839.02
GROUND= 837.16

ASPHALT

ASPHALT
DRIVEWAY

LANDSCAPE AREA

SIDEWALK

MW-15
TOC= 834.82
GROUND= 834.98

MW-18
TOC= 833.46
GROUND= 833.73

17096200220

17096100070

MW-7
TOC= 840.66
GROUND= 841.30
CONCRETE
APRON

MW-7R
TOC= 841.66
GROUND= 841.88

17089900050

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

OLYMPIC INDUSTRIAL DRIVE

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

MW-16
TOC= 832.98
GROUND= 833.19

MW-14
TOC= 844.43
GROUND= 844.81

MW-14b
TOC= 844.39
GROUND= 844.81

MW-17
TOC= 841.85
GROUND= 842.06

17096100090

SCALE IN FEET
0 30 60 120

LEGEND

PROPERTY LINE
COBB COUNTY TAX PARCEL BOUNDARIES
17096200150 COBB COUNTY TAX PARCEL IDENTIFICATION NUMBER
CHAIN LINK FENCE
MONITORING WELL

NOTES:
1. ALL FEATURES SHOWN ARE BASED ON SITE SURVEYS PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND JANUARY 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 PURPOSES
3. FENCE LINE AT SOUTHERN END OF THE PROPERTY AROUND MW-6 IS ESTIMATED.

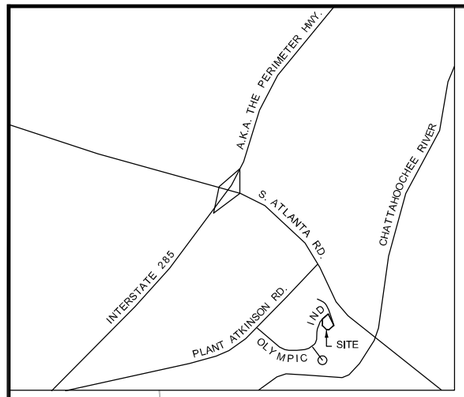
Figures 2-3 and 2-4 Valve Vault Photos.jpg
Dec 17, 2014 - 9:33am gskalla
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-1 - Well Location and Top of Casing Map.dwg

Brown AND Caldwell

Figure 3-1

Well Location and Top of Casing Elevation Map

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



VICINITY MAP
NOT TO SCALE

CSX RAILROAD RIGHT OF WAY

17096200070 17096200150 17096200110 17096200130

COBB COUNTY DEPARTMENT OF TRANSPORTATION

RAILROAD

EXISTING ONE STORY WAREHOUSE

OLYMPIC INDUSTRIAL COURT

OLYMPIC INDUSTRIAL DRIVE

ASPHALT DRIVEWAY

LANDSCAPE AREA

SIDEWALK

CONCRETE APRON

CONCRETE WALL

ASPHALT

17096200220 17096100070 17089900050 17096100090 17096200140

MW-1R (805.10)
MW-2 (807.72)
MW-3R (794.78)
MW-4a (796.92)
MW-4b
MW-5 (810.35)
MW-6 (812.73)
MW-7R (795.37)
MW-8 (795.53)
MW-9a (811.98)
MW-9b
MW-10 (813.19)
MW-11 (805.52)
MW-12 (795.50)
MW-13aR (792.69)
MW-13b
MW-14 (795.91)
MW-14b
MW-15 Dry (<819.72)
MW-16 Dry (<795.80)
MW-17 (799.88)
MW-18
MW-19
MW-A (809.04)
MW-B (806.97)
MW-C (806.77)
MW-D (811.95)
EX-2A
EX-4A
EX-6A

IW-1 (798.82)
IW-2 (798.29)
IW-3 (797.08)
IW-4 (797.72)
IW-5 (798.04)
IW-6 (795.34)
IW-7 (795.19)
IW-8 (795.80)
IW-9 (795.11)
IW-10 (794.98)

795 800 805 810

SCALE IN FEET
0 30 60 120

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.

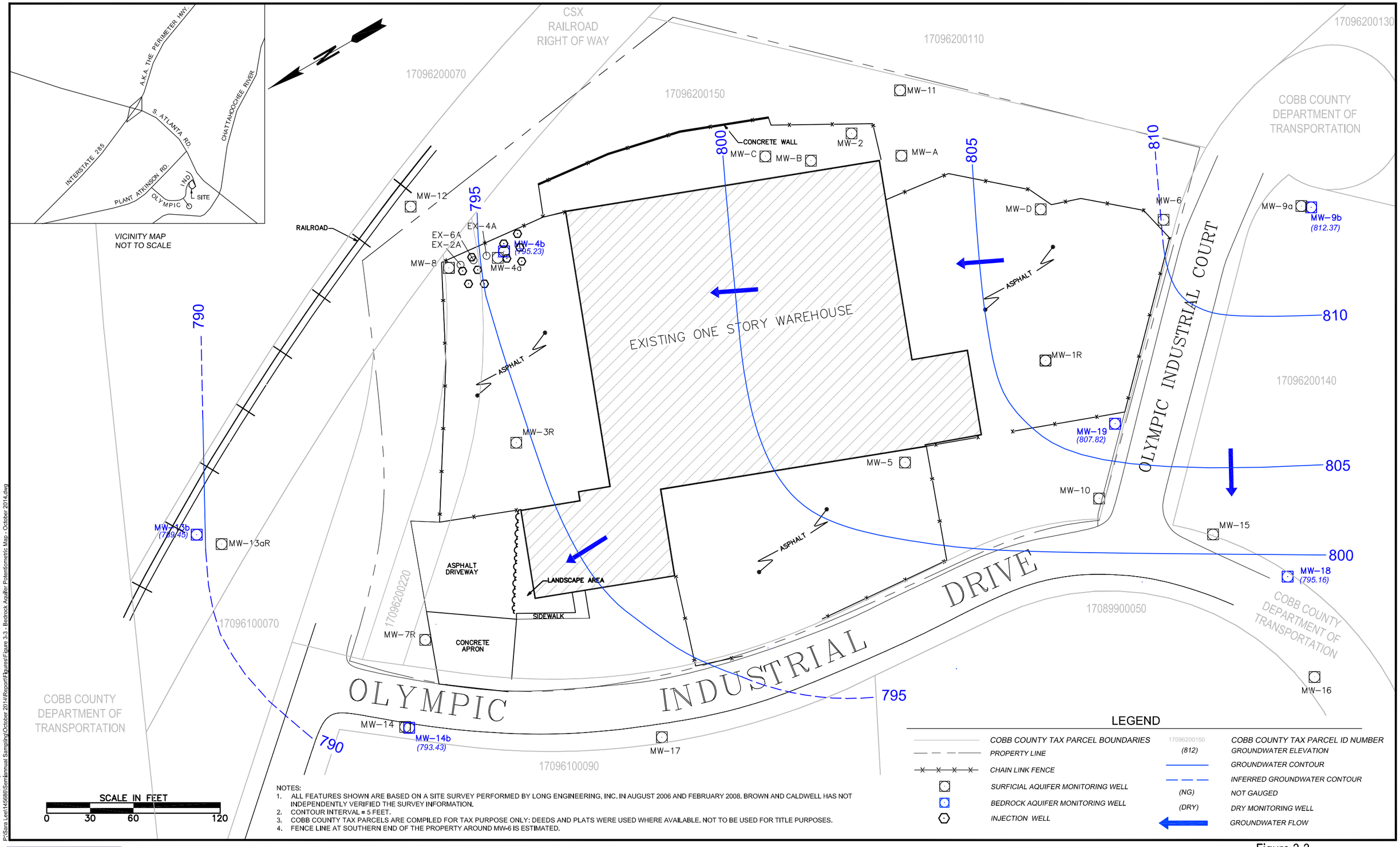
LEGEND

COBB COUNTY TAX PARCEL BOUNDARIES	17096200150 COBB COUNTY TAX PARCEL ID NUMBER
PROPERTY LINE	(812) GROUNDWATER ELEVATION
CHAIN LINK FENCE	GROUNDWATER CONTOUR
SURFICIAL AQUIFER MONITORING WELL	INFERRED GROUNDWATER CONTOUR
BEDROCK AQUIFER MONITORING WELL	(NG) NOT GAUGED
INJECTION WELL	(DRY) DRY MONITORING WELL
(NC) NOT CONTOURED (anomalous data)	GROUNDWATER FLOW

Figures 2-3 and 2-4 Valve Vault Photos.jpg
Dec 22, 2014 - 2:19pm bsteele
P:\Stara Lee\146686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-2 - Shallow Aquifer Potentiometric Map -October 2014.dwg

Brown AND Caldwell

Figure 3-2
Shallow Aquifer Potentiometric Map
October 6, 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

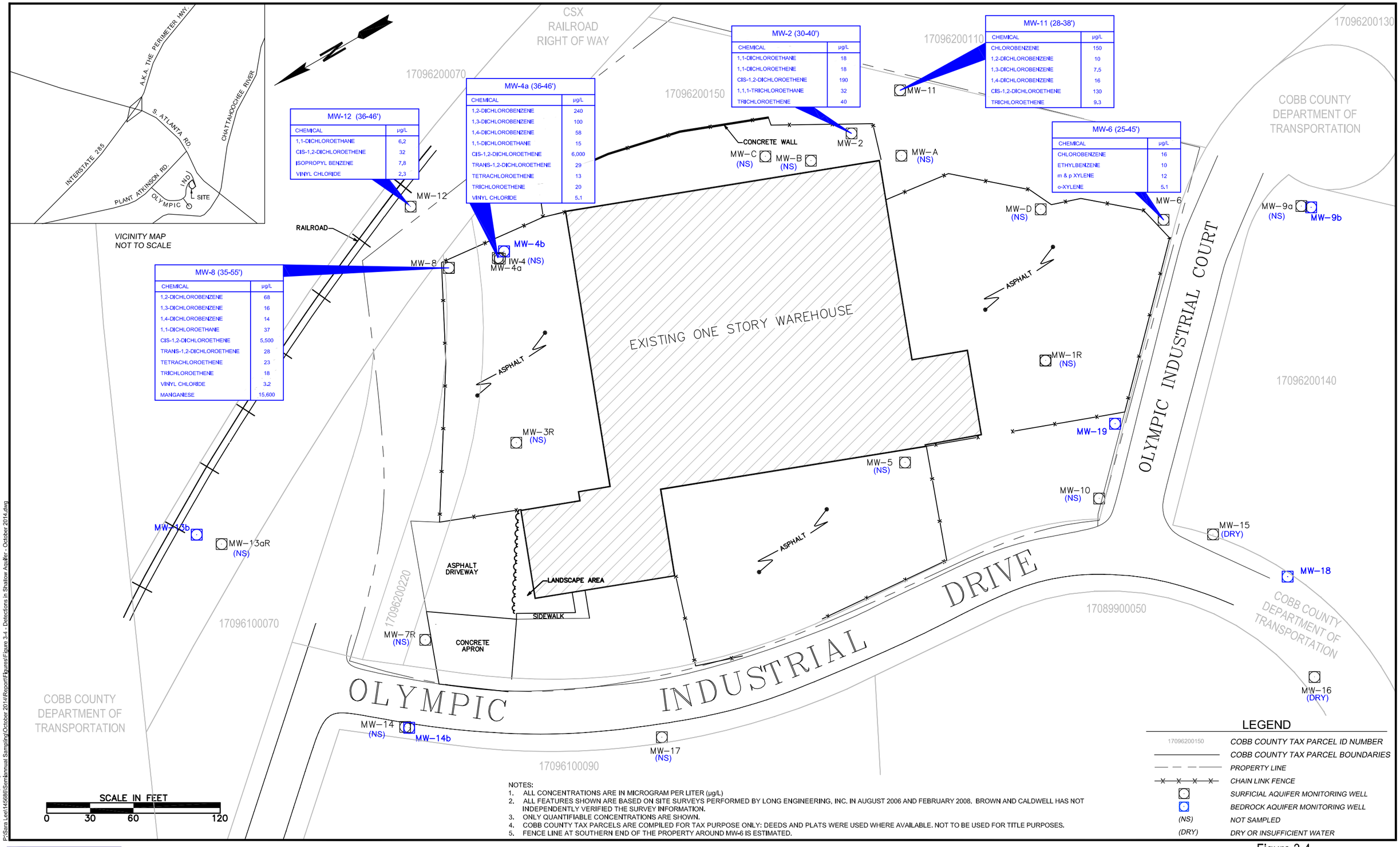


NOTES:
1. ALL FEATURES SHOWN ARE BASED ON A SITE SURVEY PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND FEBRUARY 2008. BROWN AND CALDWELL HAS NOT INDEPENDENTLY VERIFIED THE SURVEY INFORMATION.
2. CONTOUR INTERVAL = 5 FEET.
3. COBB COUNTY TAX PARCELS ARE COMPILED FOR TAX PURPOSE ONLY: DEEDS AND 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.

Dec 17, 2014 - 2:50pm gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-3 - Bedrock Aquifer Potentiometric Map - October 2014.dwg

Brown AND Caldwell

Figure 3-3
Bedrock Aquifer Potentiometric Map
October 6, 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.
3. ONLY QUANTIFIABLE CONCENTRATIONS ARE SHOWN.
4. COBB COUNTY TAX PARCELS ARE COMPILED FOR TAX PURPOSE ONLY: DEEDS AND PLATS WERE USED WHERE AVAILABLE. NOT TO BE USED FOR TITLE PURPOSES.
5. FENCE LINE AT SOUTHERN END OF THE PROPERTY AROUND MW-6 IS ESTIMATED.

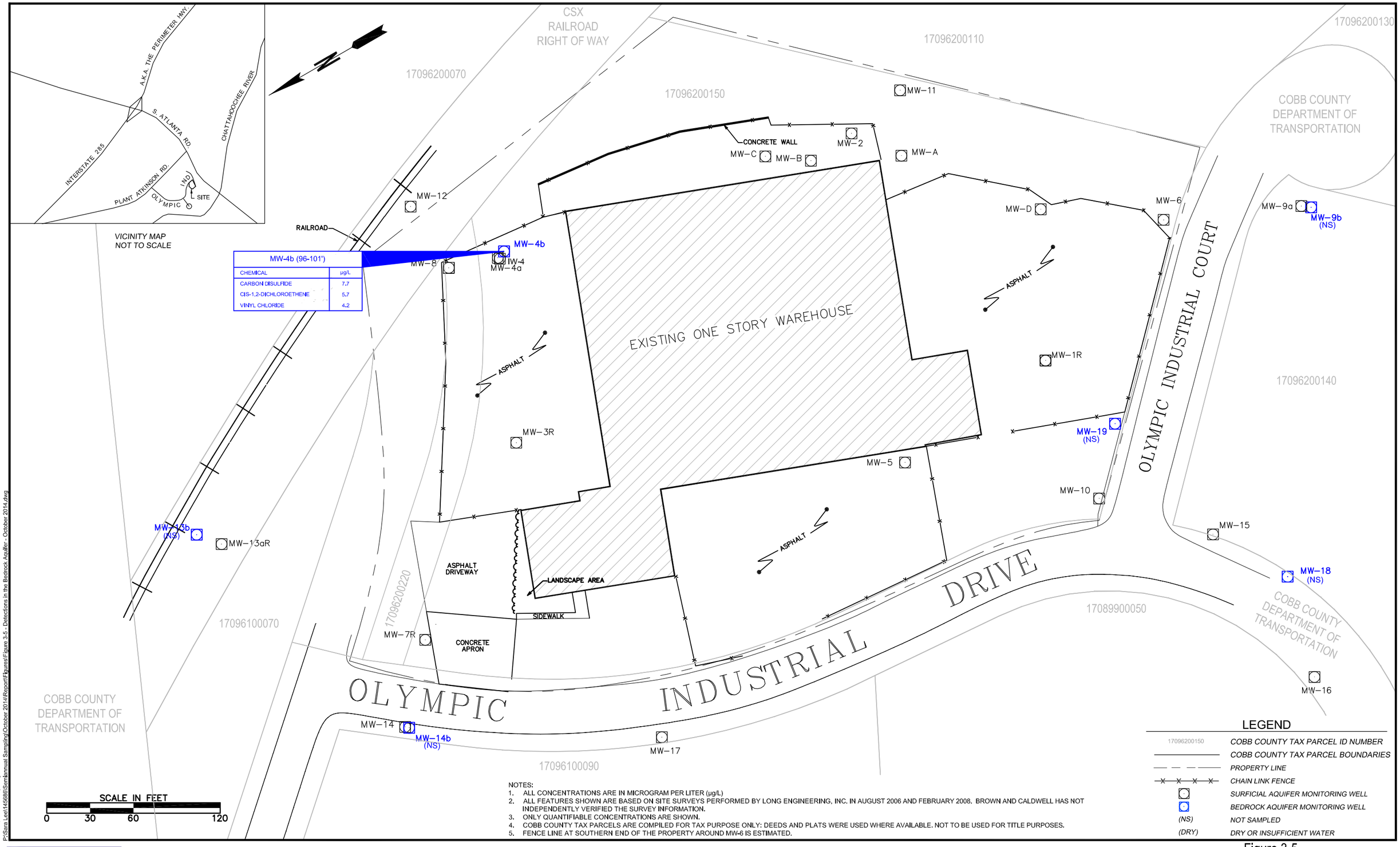
LEGEND

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

Dec 17, 2014 - 2:42pm gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-4 - Detections in Shallow Aquifer - October 2014.dwg

Brown AND Caldwell

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



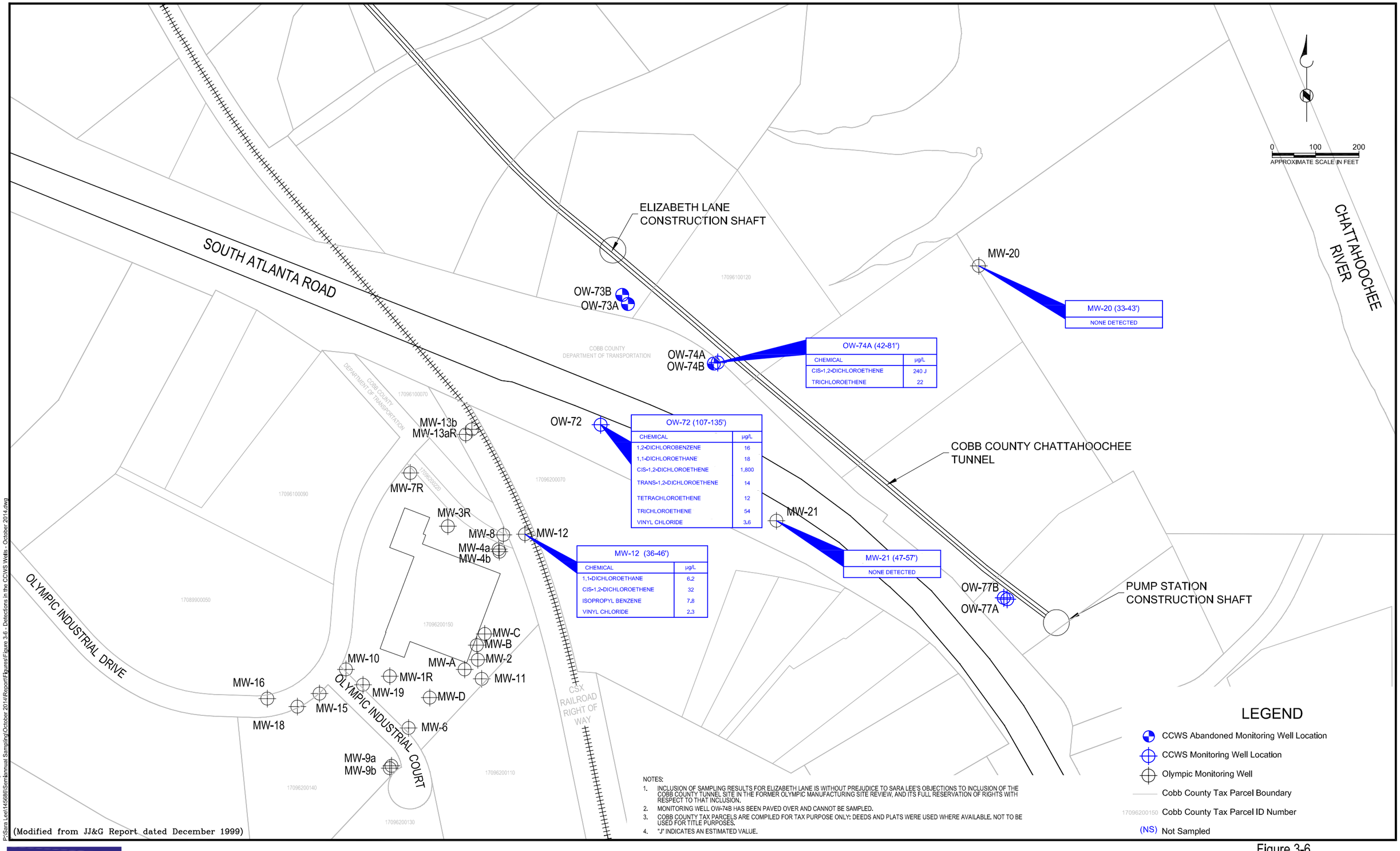
NOTES:
1. ALL CONCENTRATIONS ARE IN MICROGRAM PER LITER (µg/L)
2. ALL FEATURES SHOWN ARE BASED ON SITE SURVEYS PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND FEBRUARY 2008. BROWN AND CALDWELL HAS NOT INDEPENDENTLY VERIFIED THE SURVEY INFORMATION.
3. ONLY QUANTIFIABLE CONCENTRATIONS ARE SHOWN.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

Brown AND Caldwell

Figure 3-5
Groundwater Detections in the Bedrock Aquifer
October 2014

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

Dec 17, 2014 - 2:13pm gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-5 - Detections in the Bedrock Aquifer - October 2014.dwg



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.
4. "J" INDICATES AN ESTIMATED VALUE.

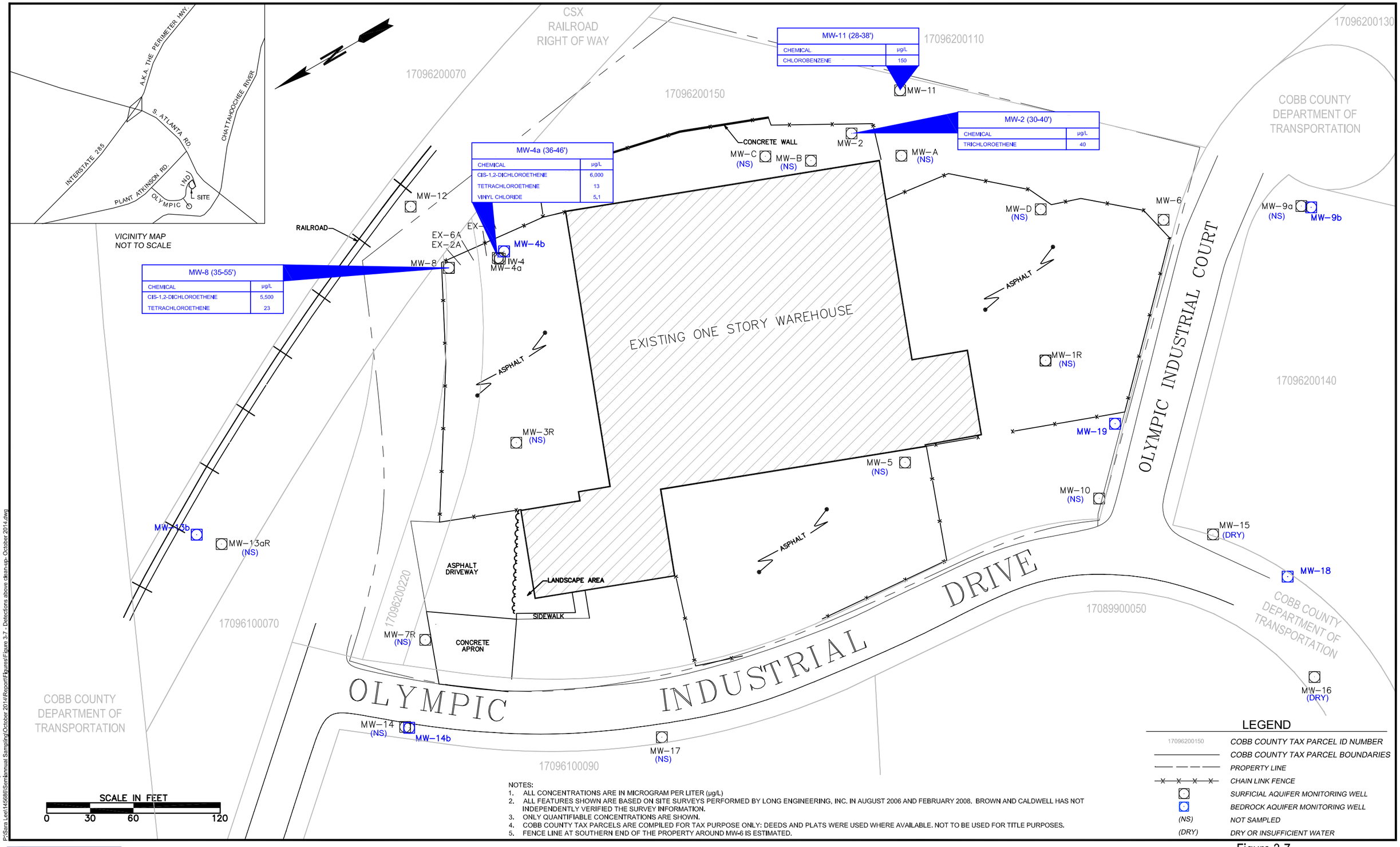
(Modified from JJ&G Report dated December 1999)

Dec 18, 2014 - 8:50am gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-6 - Detections in the CCWS Wells - October 2014.dwg

Brown AND Caldwell

Figure 3-6
Groundwater Detections in Off-Site Wells
October 2014

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

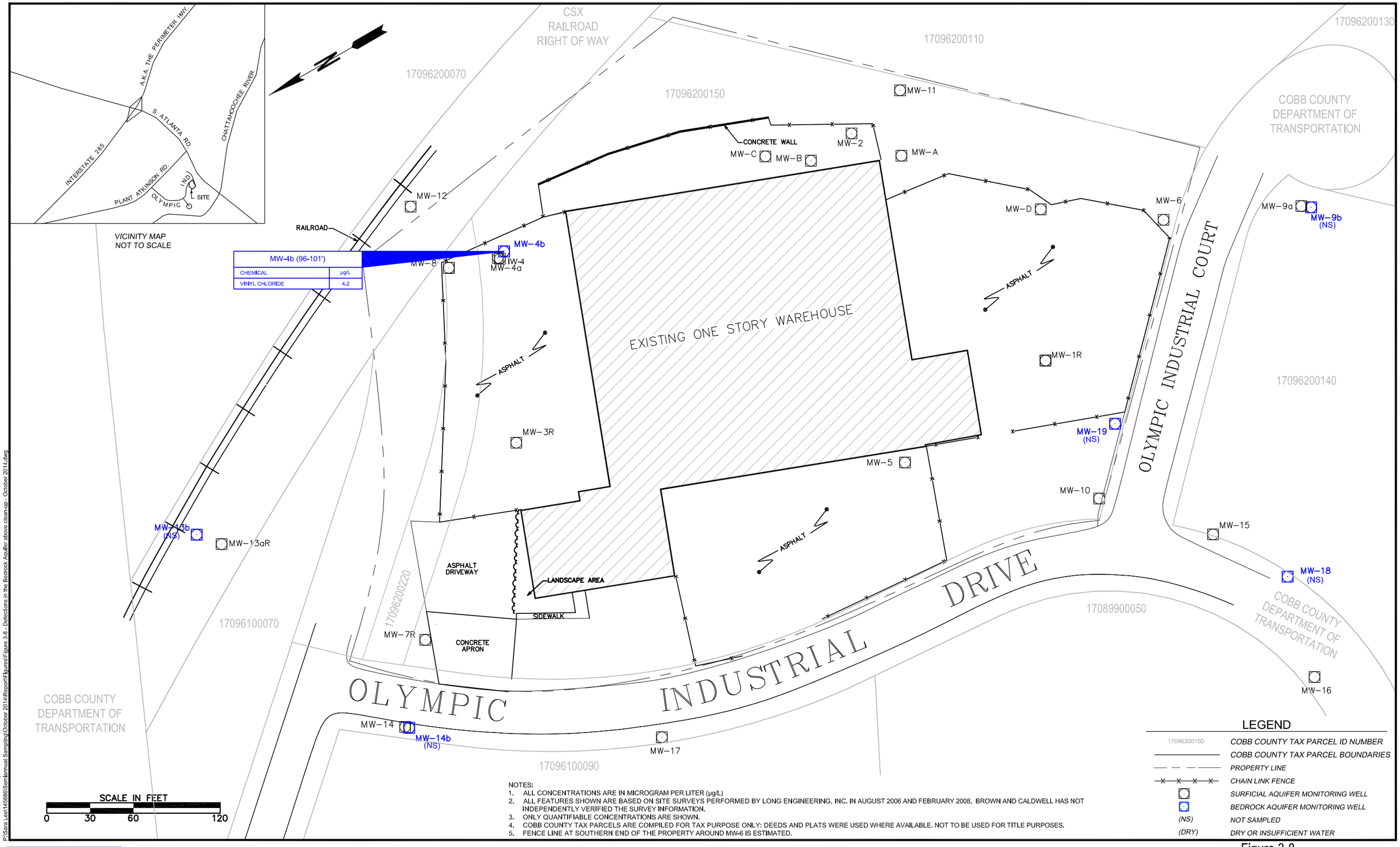


NOTES:
1. ALL CONCENTRATIONS ARE IN MICROGRAM PER LITER (µg/L)
2. ALL FEATURES SHOWN ARE BASED ON SITE SURVEYS PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND FEBRUARY 2008. BROWN AND CALDWELL HAS NOT INDEPENDENTLY VERIFIED THE SURVEY INFORMATION.
3. ONLY QUANTIFIABLE CONCENTRATIONS ARE SHOWN.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

Dec 18, 2014 - 8:35am gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-7 - Detections above clean-up- October 2014.dwg

Brown AND Caldwell

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

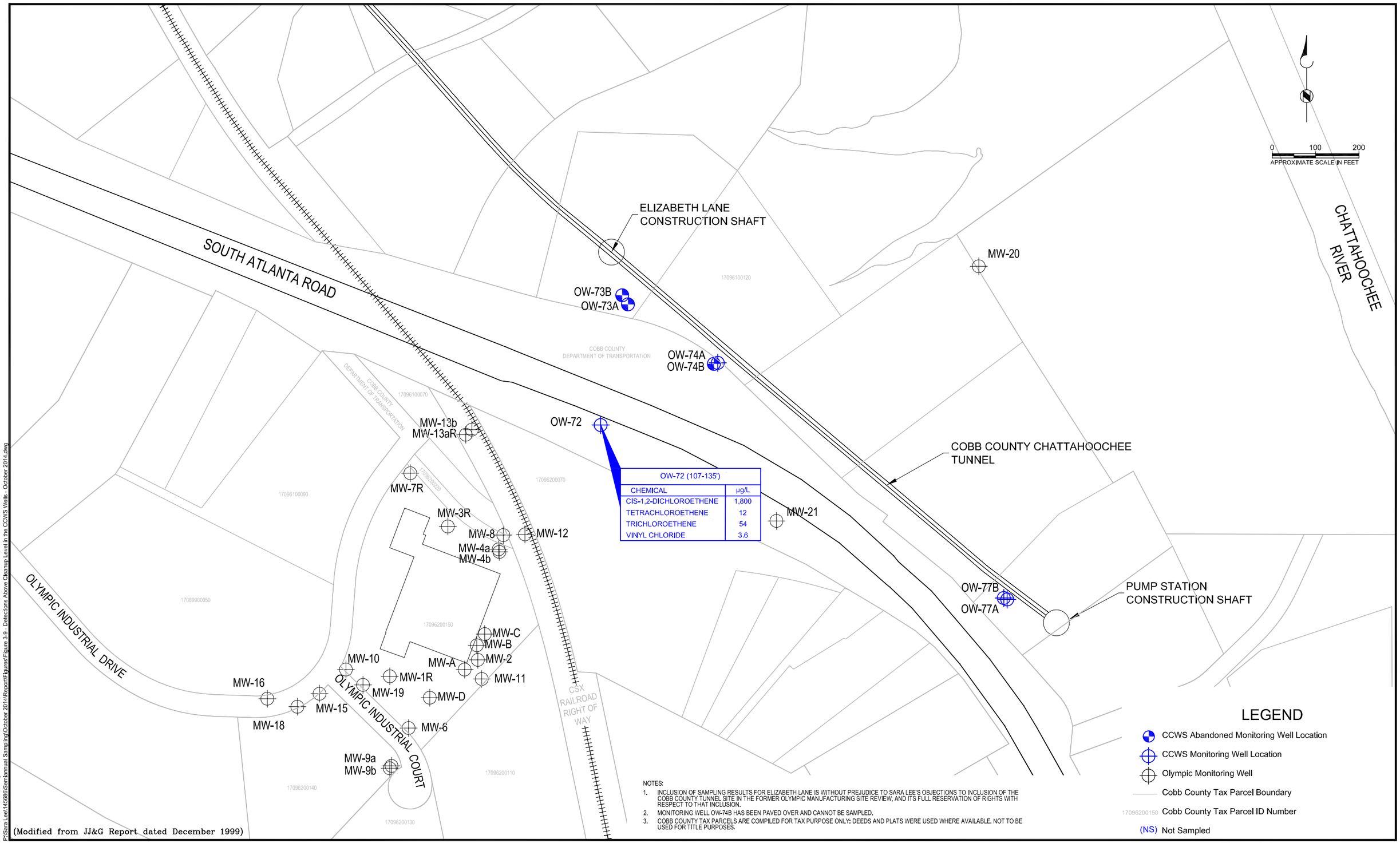


NOTES:
1. ALL CONCENTRATIONS ARE IN MICROGRAM PER LITER (µg/L)
2. ALL FEATURES SHOWN ARE BASED ON SITE SURVEYS PERFORMED BY LONG ENGINEERING, INC. IN AUGUST 2006 AND FEBRUARY 2008. BROWN AND CALDWELL HAS NOT INDEPENDENTLY VERIFIED THE SURVEY INFORMATION.
3. ONLY QUANTIFIABLE CONCENTRATIONS ARE SHOWN.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

Dec 18, 2014 - 8:41am gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-8 - Detections in the Bedrock Aquifer above clean-up - October 2014.dwg

Brown AND Caldwell

Figure 3-8
Groundwater Detections Above the Cleanup Level
Bedrock Aquifer, October 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



Dec 18, 2014 - 8:53am gskala
P:\Sara Lee\145686\Semiannual Sampling\October 2014\Report\Figures\Figure 3-9 - Detections Above Cleanup Level in the CCWS Wells - October 2014.dwg

Brown AND Caldwell

Figure 3-9
Groundwater Water Detections Above the Cleanup Level in Off-Site Wells, October 2014
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

Table 2-1. Semiannual Groundwater Sampling, October 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 2-2. Efforts to Obtain Environmental Land Use Covenants - Contacts through December 16, 2014
Former Olympic Manufacturing/Diversey Site

Neighbor	Tax Parcel ID No.	Notes	1	2	3	4	5	6	7	8	9		10	Last Contact	Action Needed	Person
Airgas Refrigerants, Inc.	17096200150	Former Olympic Manufacturing/ Diversey property	2/14/13- HS sent example ELUC and EPD information to Leigh Purdy	ELUC anticipated in 4/20/13 AA Article 16(c). Listing as QP not included in AA	8/22 HS sent letter & attachments to LP	9/11 Telephone call betw. HS and LP of Airgas, and 9/12 email follow-up fr HS to LP	10/15- Email fr HS to LP checking on status	11/21- HS Email to LP re-sending all documents (explanation, proposed ELUC, attachments)	12/12- HS call to LP. She still doesn't have an envi. attorney; HS provided a recommendation	12/17-HS sent LP new ELUC template for GW restriction only.				10/15/14	Follow-up re. Airgas' progress in hiring an envi. attorney	HS
Kuniansky/ Airgas Refrigerants, Inc.	17096200220	Survey shows strip owned by Airgas. Tax records show owner to be David Kuniansky et al	July- HS and TR review available surveys and deeds; conclude property belongs to Airgas	August- HS emails/calls to LP requesting that Airgas confirm vs. their survey	11/7- Airgas attorney reviewed surveys & deeds and confirms this parcel is owned by Airgas									8/4- TR's email to HS & clients	---	
Cobb County Dept. of Transportation	none	Two parcels: Olympic Industrial Dr. (adjacent to Site) and South Atlanta Road (on far side of Wesley property)	6/6/14- Ltr. to Patrick Riley req'g CC partic'n for parcels owned by CCWS	8/4/14- Draft sent to Patrick Riley for parcels owned by CCDOT	9/19/14- Call scheduled. HS unable to reach P. Riley. HS followed up 9/22.	10/3- Revised version sent to PR by HS; incorporates comments rec'd fr PR	12/1- HS email to PR re-sending copies of most recent drafts	12/17-HS sent PR new ELUC template for GW restriction only.						10/3/14	Follow-up w/PR. Offer new GW restriction ELUC	HS
CSXT/State Properties Commission	none	Active rail line NE of Site	8/7/14- Asked envi. dept. re. process for ELUC. Rec'd info & copy of RoE application	8/8 & 11- Left msgs re. how this Agrmt will relate to existing Agrmt.	8/15- Emailed explanatory letter & draft ELUC to Kevin Boland & Daniel Schmitt	8/28- Followed up w/email inquiry to KM & DS.	9/18- Re-sent the 8/15 draft ELUC and letter to KM & DS.	9/22- HS, TR Call w/CSX. They will send us Remed. Agrmt. Need to confirm owner-ship /lease of property to KM & DS. TR to send CSX map. Next call 10/20/14	10/20- HS, TR Call w/CSX, then CSX send deeds. Active line property owned by state, spur property has reverted to Grantor.	12/15- TR outlines request to State Properties Comm., sends model ELUC				10/20/14	TR to follow-up w/State Properties Commission, w/EPD help if necessary	TR
Wesley Properties	17096200070	Property NE of Site across rail line	6/6/14- Ltr. req'g their partic'n as QP and exec'n of a ELUC. Req'd resp. by 6/15/14.	7/14/14- Ltr. req'g their partic'n as QP and exec'n of a ELUC. Req'd resp. by 7/31/14, or else we will transfer it to EPD to resolve.	10/20- TR left msg on John Wesley's VM. Said I wanted to walk thru our request; not requesting to sample on their property	11/13- TR called John Wesley. Left message for him to call me back.	12/3- TR called John Wesley. Left message for him to call me back.							10/20/14	Send 1 page letter w/new, short ELUC	TR
Olympic Assoc. / Crimson Three Partners, LLC	17096200140	Sent copies of 4/25/14 and 7/17/14 letters to EPD 8/8/14	4/25/14- Ltr to GP req'g OA's partic'n as QP, permission to sample well, & exec'n of an ELUC.	7/17/14- Ltr to OA directly, req'g partic'n as QP, permission to sample well; incl'd copy of 4/14 ltr to GP.	9/25- CG calls HS, said Crimson wants to execute ELUC & AA asap. 9/26- CG sent draft ELUC to HS.	10/6- HS sent comments on draft ELUC to CG	10/14- HS sent draft AA & list of substances for which sampling is required to CG	10/17- HS sent Exh A to AA Agr to CG	11/12- HS & CG call. AA nearly done; ELUC in prep.	11/24- HS sends draft ELUC & AA to CG	12/1- Crimson, HS agree on draft ELUC and AA	12/3-TR sent draft ELUC and AA to EPD for approval	12/17-HS sent CG new ELUC template for GW restriction only.	10/17/14	Follow-up w/EPD	TR

Acronyms:

AA	Access agreement	CG	Carol Geiger, attorney for Crimson	GP	Gerald Pouncey, attorney for OA	PR	Patrick Riley, attorney for Cobb County
CC	Cobb County	CSXT	CSX Transportation	HS	Harvey Sheldon, attorney for Hillshire	QP	Qualifying property
CCDOT	Cobb County Dept. of Transportation	Crimson	Crimson Three Partners	LP	Leigh Purdy	TR	Trish Reifenberger, Brown and Caldwell
CCWS	Cobb County Water System	ELUC	Environmental Land Use Covenant	OA	Olympic Associates		

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	Oct-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	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	33.53
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	32.80
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	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	45.01
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	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	42.00
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	43.90
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	27.92
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	24.12
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	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	45.79
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	42.89
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	21.17
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	20.82
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	23.18
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	28.28
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	39.47
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	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	46.33
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	47.51
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	48.52
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	50.96
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	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	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	41.97
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	38.30
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	29.38
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	33.06	33.11	32.42	33.01
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	38.14
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	28.92
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	31.47
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	31.82
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	25.76
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	75.20
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	17.30
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	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	40.44
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	41.23
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	42.28
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	41.08
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	41.13
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	43.02
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	43.21
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	42.69
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	43.40
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	43.48

[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	Oct-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	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	805.10
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	807.72
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	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	794.78
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	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	796.92
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	795.23
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	810.35
MW-6	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	812.73
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	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	795.87
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	795.63
MW-9a	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	811.98
MW-9b	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	812.37
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	813.19
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	805.52
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	795.50
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	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	792.69
MW-13b	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	789.45
MW-14	844.43	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	Dry	797.73	797.30	795.47	794.40	Dry	Dry	Dry	Dry	795.54	795.91
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	793.43
MW-15	834.82	ni	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	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	799.88
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	795.16
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	807.82
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	767.82
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	761.91	762.68	
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	809.04
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	806.97
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	806.77
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	811.95
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	785.80
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	782.70
OW-72B	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	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	798.82
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	798.29
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	797.08
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	797.72
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	798.04
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	795.34
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	795.19
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	795.80
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	795.11
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	794.98

[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 October 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	14279-EB	14280-EB	14281-EB	14281-MW-30 (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	10/07/14	10/08/14	10/07/14	10/06/14	10/08/14	10/06/14	10/07/14	ns[a]	ns[a]	10/06/14	10/06/14	10/07/14	10/07/14	10/06/14	10/07/14	10/08/14	10/08/14		
Volatile Organics, Method 8260B																			
Carbon Disulfide	< 5.0	< 5.0	**7.7**	< 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	< 5.0	< 5.0	< 5.0	**16**	< 5.0	**150**	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	136
1,2-Dichlorobenzene	< 5.0	**240**	< 5.0	< 5.0	**68**	**10**	< 5.0			< 5.0	< 5.0	**16**	< 5.0	< 5.0	< 5.0	< 5.0	**68**	600	600
1,3-Dichlorobenzene	< 5.0	**100**	< 5.0	< 5.0	**16**	**7.5**	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**17**	600	600
1,4-Dichlorobenzene	< 5.0	**58**	< 5.0	< 5.0	**14**	**16**	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**14**	75	75
1,1-Dichloroethane	**18**	**15**	< 5.0	< 5.0	**37**	< 5.0	**6.2**			< 5.0	< 5.0	**18**	< 5.0	< 5.0	< 5.0	< 5.0	**37**	4,000	4,000
1,1-Dichloroethene	**18**	< 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	7	524
cis-1,2-Dichloroethene	**190**	**6,000**	**5.7**	< 5.0	**5,500**	**130**	**32**			< 5.0	< 5.0	**1,800**	**240 J**	< 5.0	< 5.0	< 5.0	**5,500**	70	1,020
trans-1,2-Dichloroethene	< 5.0	**29**	< 5.0	< 5.0	**28**	< 5.0	< 5.0			< 5.0	< 5.0	**14**	< 5.0	< 5.0	< 5.0	< 5.0	**29**	100	161
Ethylbenzene	< 5.0	< 5.0	< 5.0	**10**	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	700	700
Isopropyl benzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**7.8**			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	207
Tetrachloroethene	< 5.0	**13**	< 5.0	< 5.0	**23**	< 5.0	< 5.0			< 5.0	< 5.0	**12**	< 5.0	< 5.0	< 5.0	< 5.0	**26**	5	5
1,1,1-Trichloroethane	**32**	< 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	200	200
Trichloroethene	**40**	**20**	< 5.0	< 5.0	**18**	**9.3**	< 5.0			< 5.0	< 5.0	**54**	**22**	< 5.0	< 5.0	< 5.0	**18**	5	35
Vinyl Chloride	< 2.0	**5.1**	**4.2**	< 2.0	**3.2**	< 2.0	**2.3**			< 2.0	< 2.0	**3.6**	< 2.0	< 2.0	< 2.0	< 2.0	**3.0**	2	3.3
m & p Xylene	< 5.0	< 5.0	< 5.0	**12**	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	ne[c]	ne
o-Xylene	< 5.0	< 5.0	< 5.0	**5.1**	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	ne	ne
Total VOCs Detected	**298**	**6,480**	**18**	**43**	**5,707**	**323**	**48**	ns	ns	< 5.0	< 5.0	**1,918**	**262**	< 5.0	< 5.0		**5,712**		
Metals, Method 6010B																			
Manganese	na[b]	na	na	na	**15,600**	na	na	ns	ns	na	na	na	na	na	na		**15,600**	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.

"J" indicates an estimated value.

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 | | | | | | | | | | | |

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	Oct-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[c]	ns																								
Acetone	4,000	nc[g]	nc	< 50	< 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	< 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	< 5.0	< 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	< 5.0	< 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	< 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	< 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	< 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	< 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	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	< 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	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	< 1,000	na	< 5	< 5	< 5	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	< 5.0	< 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	< 5.0	na	na	na	< 1,000	< 5	na	< 5	< 5	< 5
Carbon Tetrachloride	5	4.9	10		< 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	< 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	< 5.0	< 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	< 5.0	< 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	< 10	< 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	< 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	< 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	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	18	< 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	< 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	< 5.0	< 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	< 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	18	< 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	< 5.0	< 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	190	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	< 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	< 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	< 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	< 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	< 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	< 5.0	< 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	< 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	< 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	< 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	< 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	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	< 5.0	< 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	< 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	< 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	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	< 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	< 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	< 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	< 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	< 5.0	< 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	< 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	32	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	40	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	< 5.0	< 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	< 5.0	< 5	< 5	na	< 10	< 0.22	< 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	< 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	na	< 10	na	< 5	< 5	< 5	na			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	na	< 10	na	< 5	< 5	< 5	na			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	< 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	< 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	< 5.0	na	na	na	< 5	na	< 5	< 5	< 5	< 5			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	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	< 5.0	na	na	na	< 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	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	< 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	< 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						na	ns	ns	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																						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				na				ns	ns																								
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.
[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-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-Oct-09	Apr-10	Oct-10	Apr-11	Oct 11 - Apr 13	Oct-13	Apr-14	Oct-14	Apr-08	Oct-08	Apr-09	Oct-09	Apr-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	Oct-14
Volatile Organics, Method 8260				ns	ns						ns				ns								ns				ns																									
Acetone	4,000	nc[c]	nc			< 20	< 50	< 50	< 50	< 50		< 50	< 50	< 50		< 50	< 50	< 50	560	130	< 500	< 50		< 5,000	< 50	< 50	< 50	<50	< 20	< 50	< 50	< 20	< 50	58.0	< 50	< 50	< 50	< 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	< 5		< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0		< 500	< 5.0	< 5.0	< 5.0	<5.0	< 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	< 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	< 5.0	< 50	< 5.0		< 500	< 5.0	< 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	< 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	< 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	< 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	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	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	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	7.7
Carbon Tetrachloride	5	4.9	10									< 5.0	< 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	< 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	18	13	12	< 5		7.2	8.6	7.2		5.6	5.1	< 5.0	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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	240	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	< 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	100	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	< 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	58	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	< 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	15	< 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	< 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	< 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	< 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	< 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	< 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	6,000	< 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	5.7
trans-1,2-Dichloroethene	100	32	161			44	120	100	130	69		48	87	43		48	36	29	< 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	< 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	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	< 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	< 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	< 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	< 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	< 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	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	< 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	< 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	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	< 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	< 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	13	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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	20	< 5.0	150	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	< 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	< 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	< 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																							
1,3,5-Trimethylbenzene						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	5.1	< 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	4.2
m&p-Xylene	nc	nc	nc			< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10		< 5.0	< 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	< 10	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 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	< 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	< 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	< 10	< 15	9.3	< 150	< 15		< 1,000	< 15	< 15		<10	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Semi-Volatile Organics, Method 8270				ns	ns	na	na	na	na	na	ns	na	na	na	ns	na	na	na	na	na	na	na	ns	na	na	na	ns	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																																																	
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																									
Barium	2,000	nc	nc			41.1	na	28.1	< 20	245		0.0	0.0	0.0								na		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.
[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-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	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	< 5	< 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	na	24	20	14	na	21	na	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	na	6	5	< 5	na	5	na	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	< 15	<10	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										
				Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04
Volatile Organics, Method 8260																						
Acetone	4,000	nc[c]	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	< 2.6	< 100	< 10	na	< 100	< 100	< 5	< 100	na	< 20
Benzene	5	4.4	8.7	5.6	7.6	9.2	7.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.3	< 2	0.27	< 5	< 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	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5		< 5
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100		< 10
n-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na
sec-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na
Carbon disulfide	4,000	nc	nc	< 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
Carbon Tetrachloride	5	4.9	10	< 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	16	< 5	< 0.60	< 10	< 0.25	< 5	< 5	< 5	< 5	< 5		< 5
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 5	< 10		< 10
Chloroform	100	nc	nc	< 5.0	< 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
Dibromochloromethane	100	nc	nc	< 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
1,2-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5
1,3-Dichlorobenzene	600	nc	nc	< 5.0	6.4	8.6	9.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5
1,4-Dichlorobenzene	75	35	73	6.0	10	11	13	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5
1,1-Dichloroethane	4,000	nc	nc	< 5.0	< 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
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	< 2	< 0.12	< 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	< 5	< 0.9	< 2	< 0.48	< 5	< 5	< 5	< 5	< 5		< 5
cis-1,2-Dichloroethene	70	156	1,020	6.2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	12	< 5.0	na	na	5	na	< 5	< 5	< 5	na	24		< 5
trans-1,2-Dichloroethene	100	32	161	< 5.0	< 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
Total 1,2-Dichloroethene[h]	105	192	1,160	11.2	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	4.5 E	7	< 0.23	< 10	< 10	< 10	< 10	29		< 10
Ethylbenzene	700	nc	nc	18	46	59	57	5.2	< 5.0	< 5.0	10	< 5	< 1.0	< 2	< 0.34	< 5	< 5	< 5	< 5	< 5		< 5
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	< 5.0	5.8	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 10	na	< 5	< 5	< 5	na	< 5		< 5
p- Isopropyl toluene	5	200	1,010	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na
Methylene chloride	5	nc	nc	< 5.0	< 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
Naphthalene	20	nc	nc	na	na	na	na	na	na	na	na	na	na	< 10	NAV	< 5	< 5	< 5	na	< 5		na
Styrene	100	nc	nc	< 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
Tetrachloroethene	5	1.3	3.9	< 5.0	< 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
Toluene	1,000	nc	nc	< 5.0	< 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
1,1,1-Trichloroethane	200	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 0.4	< 2	< 0.25	< 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	< 5	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5		< 5
Trichloroethene	5	18	35	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	5.1	< 2	0.62	< 5	< 5	< 5	< 5	< 5		< 5
Trichlorofluoromethane	2,000	nc	nc	< 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
1,2,4-Trimethylbenzene				na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5		na
1,3,5-Trimethylbenzene				na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5	na	< 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	< 10	< 1.7	< 10	< 0.61	< 2	< 2	< 2	< 5	< 2		< 5
m&p-Xylene	nc	nc	nc	25	190	170	120 J	< 5.0	< 5.0	< 5.0	12	na	na	< 5	na	< 5	< 5	< 5	na	< 10		< 10
o-Xylene	nc	nc	nc	15	60	63	51	< 5.0	< 5.0	< 5.0	5.1	na	na	< 5	na	< 5	< 5	< 5	na	< 5		< 5
Total Xylene	10,000	nc	nc	40	250	233	171	<10	< 10	< 10	17.1	na	0.8 E	< 5	0.76	< 5	< 5	< 5	< 5	< 15		< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na							na	na	na	na
1,2-Dichlorobenzene	600	nc	nc											< 10	< 10	< 10	NASV	NASV				
1,3-Dichlorobenzene	600	nc	nc											< 10	< 10	< 10	NASV	NASV				
1,4-Dichlorobenzene	75	nc	nc											< 10	< 10	< 10	NASV	NASV				
2,4-Dimethylphenol	700	nc	nc											< 10	< 10	< 10	< 10	< 10				
Bis(2-Ethylhexyl)phthalate	6	nc	nc											20	< 10	< 10	< 10	< 10				
2-Methylnaphthalene														< 10	< 10	< 10	< 10	< 10				
2-Methylphenol (o-cresol)	10	nc	nc											< 10	na	< 10	< 10	< 10				
4-Methylphenol (m&p-cresol)	10	nc	nc											< 10	na	< 10	< 10	< 10				
Cresol (o,m,p)	10	nc	nc											< 20	< 10	< 20	< 20	< 20				
Naphthalene	20	nc	nc											< 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
Cadmium	5	7.8	51									< 4	na	na		< 5	< 5	< 10	< 5	< 5	< 5	< 5
Chromium	100	47	310									30	< 10	na		< 10	< 10	< 10	< 10	17.6	< 10	< 10
Copper	1,300	630	4,090									na	< 20	< 25		< 20	< 20	< 10	< 20	23.6	< 10	< 10
Lead	15	15	15									80	< 25	na		11	< 10	< 10	10	46.2	< 10	< 10
Manganese	ne	ne	ne									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
Zinc	2,000	4,700	nc									na	30	30		37	< 20	< 20	29	181	< 20	20.4

Parameter	MW-7R 45 to 55 ft bg																					
	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
Volatile Organics, Method 8260																						
Acetone	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	22	< 100	< 10	na	< 100	< 100
Benzene	< 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	1.7	< 2	1.4	< 5	< 5	< 5
Bromodichloromethane	< 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	< 10	< 0.19	< 5	< 5	< 5
2-Butanone	< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	< 12.0	< 100	< 10	na	< 100	< 100
n-Butylbenzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5
sec-Butylbenzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5
Carbon disulfide	< 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	< 10	< 5	na	< 5	< 5
Carbon Tetrachloride									< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0							
Chlorobenzene	< 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	2.5	< 10	9.9	7	11	16
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.3	< 5	< 0.37	< 10	< 10	< 10
Chloroform	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
Dibromochloromethane	< 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	< 0.6	< 10	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	< 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	na	180	NAV	280	339	374
1,3-Dichlorobenzene	< 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	na	120	NAV	81	92	129
1,4-Dichlorobenzene	< 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	na	62	NAV	50	60	79
1,1-Dichloroethane	< 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	92	12	120	106	117	36
1,2-Dichloroethane	< 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	3.9	< 2	2.9	< 5	< 5	< 5
1,1-Dichloroethene	< 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	26	12	17	16	16	8
cis-1,2-Dichloroethene	< 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	14,000	na	13,300	18,700	11,200
trans-1,2-Dichloroethene	< 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	na	200	170	111	154	92
Total 1,2-Dichloroethene[h]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	21,000	14200	170	13411	18854	11,292
Ethylbenzene	< 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	2.6 E	< 2	1.3	< 5	< 5	< 5
Isopropylbenzene	< 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	< 10	na	8	10	5
p- Isopropyl toluene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5
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	11 B	7.5 E	< 5	< 5	< 5	< 5	< 5
Naphthalene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	NAV	< 5	< 5	< 5
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	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5
Tetrachloroethene	< 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	790	1,800	180	112	200	616
Toluene	< 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	3.5	< 2	1.8	< 5	< 5	< 5
1,1,1-Trichloroethane	< 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	3.3	7	1.4	< 5	< 5	< 5
1,1,2-Trichloroethane	< 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	2.8 E	< 2	1.3	< 5	< 5	< 5
Trichloroethene	< 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	4,600	4,500	880	362	481	1,210
Trichlorofluoromethane	< 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	na	< 10	< 0.22	< 5	< 5	< 5
1,2,4-Trimethylbenzene	na	na			na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5
1,3,5-Trimethylbenzene	na	na			na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na	< 5	< 5	< 5
Vinyl Chloride	< 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
m&p-Xylene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	na	< 5	< 5	< 5
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	na	na	< 5	na	< 5	< 5	< 5
Total Xylene	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	na	5.2	< 5	2.8	< 5	< 5	< 5
Semi-Volatile Organics, Method 8270																						
1,2-Dichlorobenzene																		140	150	171	NASV	NASV
1,3-Dichlorobenzene																		< 100	49	80	NASV	NASV
1,4-Dichlorobenzene																		< 100	35	59	NASV	NASV
2,4-Dimethylphenol																		< 100	< 10	12	< 10	< 10
Bis(2-Ethylhexyl)phthalate																		< 100	< 10	< 10	< 10	< 10
2-Methylnaphthalene																		< 100	< 10	< 10	< 10	< 10
2-Methylphenol (o-cresol)																		< 100	na	< 10	< 10	< 10
4-Methylphenol (m&p-cresol)																		< 100	na	< 10	< 10	< 10
Cresol (o,m,p)																		< 200	< 10	< 20	< 20	< 20
Naphthalene																		< 10	< 10	< 10	< 10	< 10
Metals, Method 6010B/7470A																						
Barium																		230	70	< 200	na	75
Cadmium																		< 4	na	na	na	< 5
Chromium																		40	< 10	na	na	< 10
Copper																		na	< 20	40	na	< 20
Lead																		< 19	< 25	na	na	13
Manganese																		na	na	na	na	na
Nickel																		na	210	880	na	879
Zinc																		na	60	200	na	119

Parameter	MW-8 35 to 55 ft bg										
	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	May-04	May-05
Volatile Organics, Method 8260											
Acetone	na	22	< 100	< 10	na	< 100	< 100	< 5	< 100	< 20	< 20	< 50
Benzene	< 5	1.7	< 2	1.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100	< 10	< 10	< 5
n-Butylbenzene	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
sec-Butylbenzene	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
Carbon disulfide	na	na	< 10	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Tetrachloride											
Chlorobenzene	< 5	2.5	< 10	9.9	7	11	16	< 5	< 5	< 5	< 5	< 5
Chloroethane	< 10	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 10
Chloroform	3.1 J	9.8	< 2	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	< 5	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	< 5	na	180	NAV	280	339	374	na	17	170	160	75
1,3-Dichlorobenzene	< 5	na	120	NAV	81	92	129	na	< 5	58	47	26
1,4-Dichlorobenzene	< 5	na	62	NAV	50	60	79	na	< 5	37	30	16
1,1-Dichloroethane	< 5	92	12	120	106	117	36	< 5	46	55	43	20
1,2-Dichloroethane	< 5	3.9	< 2	2.9	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	< 5	26	12	17	16	16	8	< 5	< 5	6.1	< 5	< 5
cis-1,2-Dichloroethene	na	na	14,000	na	13,300	18,700	11,200	na	7,020	9,100	8,100	3,400
trans-1,2-Dichloroethene	< 5	na	200	170	111	154	92	na	23	90	59	27
Total 1,2-Dichloroethene[h]	< 5	21,000	14200	170	13411	18854	11,292	1,900	7043	9,190	8,159	3,427
Ethylbenzene	< 5	2.6 E	< 2	1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isopropylbenzene	na	na	< 10	na	8	10	5	na	< 5	< 5	< 5	< 5
p- Isopropyl toluene	na	na	< 10	na	< 5	< 5	< 5	na	< 5	< 5	na	na
Methylene chloride	11 B	7.5 E	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	na	na	< 10	NAV	< 5	< 5	< 5	na	< 5	na	na	na
Styrene	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	< 5	790	1,800	180	112	200	616	280	6	170	81	100
Toluene	< 5	3.5	< 2	1.8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,1-Trichloroethane	< 5	3.3	7	1.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	2.8 E	< 2	1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethene	< 5	4,600	4,500	880	362	481	1,210	240	28	310	360	200
Trichlorofluoromethane	< 5	na	< 10	< 0.22	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
1,3,5-Trimethylbenzene	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na
Vinyl Chloride	< 10	17	< 10	8	7	13	6	< 5	< 2	< 5	< 5	< 2
m&p-Xylene	< 10	na	< 5	na	< 5	< 5	< 5	na	< 10	< 5	< 10	< 10
o-Xylene	< 5	na	< 5	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5
Total Xylene	< 5	5.2	< 5	2.8	< 5	< 5	< 5	< 5	< 15	< 5	< 15	< 15
Semi-Volatile Organics, Method 8270												
1,2-Dichlorobenzene			140	150	171	NASV	NASV					
1,3-Dichlorobenzene			< 100	49	80	NASV	NASV					
1,4-Dichlorobenzene			< 100	35	59	NASV	NASV					
2,4-Dimethylphenol			< 100	< 10	12	< 10	< 10					
Bis(2-Ethylhexyl)phthalate			< 100	< 10	< 10	< 10	< 10					
2-Methylnaphthalene			< 100	< 10	< 10	< 10	< 10					
2-Methylphenol (o-cresol)			< 100	na	< 10	< 10	< 10					
4-Methylphenol (m&p-cresol)			< 100	na	< 10	< 10	< 10					
Cresol (o,m,p)			< 200	< 10	< 20	< 20	< 20					
Naphthalene			< 10	< 10	< 10	< 10	< 10					
Metals, Method 6010B/7470A												
Barium	230	70	< 200	na	75	165	36.3	521	26.4	40.3	na	
Cadmium	< 4	na	na	na	< 5	< 5	< 10	69	< 5	< 5	na	
Chromium	40	< 10	na	na	< 10	29	< 10	154	< 10	44.0	< 10	
Copper	na	< 20	40	na	< 20	79	26.1	705	19.6	32.4	na	
Lead	< 19	< 25	na	na	13	25	11.7	107	23.5	21.8	16.8	
Manganese	na	na	na	na	na	na	na	na	na	na	na	
Nickel	na	210	880	na	879	679	226	989	1,140	1,380	na	
Zinc	na	60	200	na	119	314	124	1,130	265	312

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	Oct-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	< 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	< 5.0	< 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	< 5.0	< 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	< 50	< 100	< 100	< 10	< 10	< 10	< 50	< 10	< 50	< 50	< 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	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	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	< 5.0	< 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
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	< 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	< 5.0	< 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	68	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	16	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	14	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	37	< 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	< 5.0	< 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	5,500	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	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	5,528	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	< 5.0	< 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	< 5.0	< 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	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	< 5.0	< 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	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	< 5.0	< 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	23	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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	18	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	< 5.0	< 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	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	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	3.2	< 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	< 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	< 5.0	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	< 10	5	< 10	16.9	25.5	< 10	< 15	< 15	< 15	< 15	< 15	< 15		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	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	ns												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	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	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	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	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	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	15,600	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	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	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	Oct-14	Dec-01	May-02[e]	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			< 50	< 50	< 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	< 5.0	< 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	< 5.0	< 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	< 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	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	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	< 5.0	< 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	< 5.0	< 5.0	< 30	< 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	150	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	< 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	< 5.0	< 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	< 5.0	< 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	10	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	7.5	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	16	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	< 5.0	< 5		< 5	< 5	< 5	< 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	< 5.0	< 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	< 5.0	< 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	130	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	< 5.0	< 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	11.9	61	< 10	74	15	13.9	< 10	50	23	130	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	7.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	24		13	11	5.8	< 5	< 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	< 5.0	< 5.0	< 5.0	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	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	< 5.0	< 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	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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	9.3	< 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	< 5.0	< 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	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	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	< 5	< 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	< 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	< 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	< 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	< 15	< 10	< 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	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	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	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	Oct-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	Oct-12	Apr-13
Volatile Organics, Method 8260									ns		ns							ns											ns																	ns			
Acetone	4,000	nc[c]	nc	< 50	< 50	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50	< 100	< 100		< 20	< 20	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 50	< 100	< 100		< 10	< 10	< 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	na	< 5	< 5		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
sec-Butylbenzene	5	626	4,088	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	< 5	< 5	na	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	< 5.0	< 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	< 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	< 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		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 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	< 5.0	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	6.2	< 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	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	32	< 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	< 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	< 5.0	< 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	< 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	32	< 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	< 5.0	< 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	< 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	7.8	< 5	< 5		< 5	< 5	< 5	< 5	na	na	na	na	< 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	na	< 5	< 5		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
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	< 5		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 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	< 5	< 5		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
Styrene	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		< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5.0	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 5.0	< 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	< 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	< 5	< 5										na	na	na		na	na	na																
1,3,5-Trimethylbenzene				na	na	na	na	na		na		na	na	na	na	< 5	< 5										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	2.3	< 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	< 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	< 5.0	< 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
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	< 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	< 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	< 10	< 15	< 15		< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15		< 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	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	na	ns	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				412	344	ns	150	185	261	480	na	na	na		na	na	na	ns	na	na	na	246	455	108	44.4	42	42.5	33.8	na	na	na	na	na	na	na	ns	na
Barium	2,000	nc	nc			0.0	0.0	0.0		0.0		na	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									< 5	< 5	na	< 5	< 5	< 5	< 5									
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									22	50	< 10	< 10	< 10	< 10	< 10									
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									33	67	< 10	< 10	< 10	< 10	< 10									
Lead	15	15	15			na	na	na		na		na				16	17		< 10	< 10	< 10	< 10	na	na	na									< 10	26	< 10	< 10	< 10	< 10	< 10									
Manganese	ne	ne	ne			8,970	7,170	8,110		8,110		10,000				na	na		na	na	na	na	na	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									20	40	< 20	< 20	< 20	< 20	< 20									
Zinc	2,000	4,700	nc			na	na	na		na		na				67	94		< 20	< 20	60	117	na	na	na									81	243	< 20	39.7	< 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-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 | | | | | | | | | | | | | | | |

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												MW-20 33 to 43 bgs				MW-21 47 to 57 ft bgs		OW-72 107 to 135 ft bg																			
				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	Apr-13	Oct-13	Apr-14	Oct-14	Apr-14	Oct-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										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	< 50	< 50	< 50	< 50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 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	< 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
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	< 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
2-Butanone	2,000	nc	nc	< 50	< 50	< 10	< 50	< 50	< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	130.0
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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	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	< 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
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
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	< 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
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	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 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	< 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
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	< 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
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	< 5.0	< 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	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	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 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
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	< 5.0	< 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
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	< 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	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	< 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	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	< 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
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	< 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	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	< 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]	105	192	1,160	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	11.7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 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	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	< 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
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	< 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
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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	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	< 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
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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	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	< 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
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	< 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	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	< 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	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	< 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	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	< 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	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	< 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	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	< 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	na	na	na	na																	na	na	na	na
1,3,5-Trimethylbenzene															na	na	na	na	na	na	na	na	na	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	< 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	nc	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 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	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	< 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	10,000	nc	nc	< 15	< 15	< 15	< 15	< 15	< 15		< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	ns	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
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	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Barium	2,000	nc	nc	111	< 20	< 20					73.6																60	60	60	50	50	60	60	60	70	74.0	64	62.9								
Cadmium	5	7.8	51	< 5	< 5	< 5					< 5																8	6	< 5	< 5	< 5	10	< 5	20	< 5	< 5	< 5	< 5								
Chromium	100	47	310	359	< 10	13.3					11.8																< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Copper	1,300	630	4,090	64.6	12.6	< 10					< 10																130	200	160	120	60	50	50	30	30	75.3	51.4	60.9								
Lead	15	15	15	< 10	< 10	< 10					< 10																20	30	15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 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	176	77	71.2					84.3																1,200	1,600	740	490	200	190	410	160	280	555	483	477								
Zinc	2,000	4,700	nc	64.8	< 20	< 20					44																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.
[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 | OW-72 107 to 135 ft bg | | | | | | OW-74A 42 to 81 ft bg | | | | | |

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	Oct-14	Apr-08	Oct-08	Apr-09	Oct-09	Oct-11	Apr-12	Oct-12	Apr-13		Oct-13	Apr-14	Oct-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	Oct-14				
Methane	0.400	0.055	0.170	0.036	0.077	0.160	0.140	0.048	0.210	0.069	0.013	0.130	0.290	ns	0.190		0.130	0.160	0.360	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	0.063			
Nitrate	0.54	< 2.5	< 0.25	< 0.25	<1.2	<0.25	<2.5	< 2.5	na	< 2.5	< 0.25	< 0.25	< 1.2	ns	<2.5		<0.25	<0.25	<2.5	< 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	<2.5			
Sulfate	58	280	67	97	110	130	79	280	na	190	210	45	26	ns	230[J]		2.7	3.4	<10	150	na	150	130	120	97	51[J]	99	110	110	120	na	120	65	81	83			
Total Organic Carbon	37.2	52.4	31.0	33.1	32.5	33.0	36.8	57.6	na	42.0	37.5	21.0	27.9	ns	34.6		3.21	2.10	3.72	< 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	26.5			
Manganese	4.09	58.7	23.8	21.4	na	na	na	50.3	na	na	1.62[J]	11.9	95.7	ns	26.1		na	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	15.6			
pH (S.U.)	7.18[e]	6.88	6.63	6.63	6.48	6.56	6.33	6.76	7.41	6.92	6.48	6.68	6.90	ns	6.41		6.31	6.30	6.51	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	6.60			
Dissolved Oxygen	8.41[e]	2.69	0.17	4.45	0.32	0.17	0.45	0.33	7.03	0.47	0.65	14.79	3.52	ns	0.14		0.28	0.30	0.73	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	0.91			
Potassium Permanganate	< 0.89	na	na	na	na	na	na	270	12	< 0.89	< 0.89	na	na	ns	na		na	na	na	800	1.8	< 0.89	1	< 0.89	< 0.89	na	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	0.216	< 10	na	< 0.100	< 0.100	< 0.100	< 0.100	ns	0.609[J]		1.06	2.05	< 0.500	< 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	<0.100			
Oxidation-Reduction Potential (millivolts)	369.2			35	-130	-142	-134.5	688						ns	-83		0	57	-67.4	696	270									118	na	-52	45	58.8	64.6			

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	Oct-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	0.260		< 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		< 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	<1.0		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	6.38		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	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	6.35		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	0.23		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	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	19.7		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	-125.8		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 June 12, 2014 to December 18, 2014
Former Olympic Manufacturing Site, Smyrna, Georgia

Month, Person	Role	Hours Billed	Services Provided
June 13-30, 2014			
Trish	Project Manager	33.25	Respond to Nov. 2013 EPD Ltr, Data Analysis & Report Prep.
Greg	Senior Hydrogeologist	2.00	Respond to Nov. 2013 EPD Letter
Brian	Project Geologist	3.75	Data Analysis & Report Preparation
Brent	Managing Geologist	4.75	Data Analysis & Report Preparation
Sarah	Scientist III	1.75	Respond to Nov. 2013 EPD Letter
Elaine	Admin Assistant	8.75	Report Preparation
Rhona	Project Assistant	1.00	Administrative
	Labor Subtotal, Hours	**55.25**	
	Subs and Expenses	**$221.00**	
July 2014			
Trish	Project Manager	18.50	Communications, Support w/Environmental Land Use Covenants (ELUCs); Comm's w/Airgas
Ryan	Scientist II	1.00	Support w/ELUCs
Brian	Project Geologist	0.25	Support w/ELUCs
Dale	Senior Reviewer	0.50	Project Review
Elaine	Admin Assistant	0.25	Administrative
Rhona	Project Assistant	1.00	Administrative
	Labor Subtotal, Hours	**21.50**	
	Subs and Expenses	**$86.00**	
August 2014			
Trish	Project Manager	27.00	Support w/ELUCs
Ryan	Scientist II	0.25	Support w/ELUCs
Brian	Project Geologist	6.50	Support w/ELUCs
Megan	Project Assistant	1.50	Administrative
	Labor Subtotal, Hours	**35.25**	
	Subs and Expenses	**$180.38**	
September 2014			
Trish	Project Manager	13.75	Groundwater Sampling, Support w/ELUCs
Dale	Senior Reviewer	1.00	Project Review
Brent	Managing Geologist	0.50	Support w/ELUCs
Ryan	Scientist II	1.00	Support w/ELUCs
Doretha	Financial Manager	0.25	Administrative
Rhona, Megan	Project Assistants	1.25	Administrative
	Labor Subtotal, Hours	**17.75**	
	Subs and Expenses	**$176.00**	

Table 5-1. Brown and Caldwell Billing and Services from June 12, 2014 to December 18, 2014
Former Olympic Manufacturing Site, Smyrna, Georgia

Month, Person	Role	Hours Billed	Services Provided
October 2014			
Trish	Project Manager	18.50	Groundwater Sampling, Support w/ELUCs
Sarah	Scientist III	1.50	Data Validation
Brian	Geologist II	36.25	Groundwater Sampling, Support w/ELUCs, Report Preparation
George	Geologist I	29.50	Groundwater Sampling, Report Preparation
Eileen	Scientist II	1.50	Data Analysis & Report Preparation
Arlette	Engineer I	1.50	Data Analysis & Report Preparation
Jake	Regional Biller	0.75	Administrative
Rhona	Project Assistant	0.25	Administrative
	Labor Subtotal, Hours	**89.75**	
	Subs and Expenses	**$2,588.24**	
November 2014			
Trish	Project Manager	2.75	ELUC Support, Data Analysis & Report Prep
Jake	Regional Biller	1.00	Administrative
Rhona	Project Assistant	1.25	Administrative
	Labor Subtotal, Hours	**5.50**	
	Subs and Expenses	**$3,242.41**	
December 1-18, 2014			
Trish	Project Manager	14.75	Data Analysis & Report Prep, Follow-up on Airgas Valve Vault
Brent	Managing Geologist	3.50	Data Analysis & Report Preparation
George	Geologist I	3.75	Support w/ELUCs, Report Preparation
Brian	Geologist II	7.50	Data Analysis & Report Preparation
Arlette	Engineer I	1.00	Data Analysis & Report Preparation
Elaine	Admin Assistant	0.50	Report Preparation
	Labor Subtotal, Hours	**31.00**	
	Subs and Expenses	**$124.00**	

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

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-2

1. PROJECT INFORMATION

Project Number: 145686 Task Number: _____ Area of Concern: _____

Client: Sam Lee Personnel: Slagle

Project Location: _____ Weather: ~75°

2. WELL DATA

Date Measured: 10-7-14 Time: 1m 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: 32.80 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: 7.20 feet Well Volume: 1.20 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: 10-7-14 Time: 1335

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 ~~1.203.60~~ gallons

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

Equipment Model(s)
1. Bladder pump 1 3/4
2. YSI
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
1345	.60	5.60	19.25	.145	48.1	1.49	177	34.70	
1355	1.2	5.61	19.24	.146	61.4	1.74	181	35.34	slowed to 1 GPM
1405	1.8	5.62	19.95	.147	73.2	1.84	212	35.28	
1415	2.0	5.62	19.98	.148	82.4	1.75	200	35.28	
1425	2.4	5.59	19.72	.148	90.8	1.77	151	35.39	

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: 14680-MW-2 Sample Date: 10/7/14 Sample Time: 1535 # 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-2

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
1435	2.5	5.66	19.98	.150	91.3	1.70	121	35.41	
1445	2.9	5.69	19.90	.150	94.7	1.64	85.8	35.73	
1455	3.3	5.73	20.17	.150	95.6	1.63	62.5	35.73	
1505	3.7	5.74	20.21	.150	98.3	1.65	43.8	35.73	
1515	4.0	5.72	19.90	.150	100.3	1.63	32.6	35.73	
1525	4.3	5.74	20.23	.150	98.8	1.66	26.0	35.78	
1535	4.6	5.74	20.19	.150	100.1	1.67	8.38	35.93	

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: 145686 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna GA Weather: Sunny ~ 70°F

2. WELL DATA

Date Measured: 10.6.14 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: 43.90 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: 57.1 feet Well Volume: 9.53 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: 10.7.14 Time: 0905

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 28.60 gallons

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

Equipment Model(s)

1. QED Pump
2. MP-50
3. Heron dipper
4. YSI - 556 DMT-IGCE

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
0920	0.50	8.24	18.65	0.395	064	064	116	44.55	-202.4 = ORP
0935	0.75	8.16	18.58	0.397	-204.2	0.51	29.3	46.40	
0950	1.00	7.79	18.55	0.398	-208.3	0.47	13.9	48.25	
1005	1.50	7.59	18.62	0.397	-209.1	0.47	7.09	50.05	
1020	2.00	7.53	18.73	0.396	-218.9	0.47	5.12	51.82	

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: 14280-MW-4b Sample Date: 10.7.14 Sample Time: 1155 # of Containers: 2

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

Equipment Blank Collected? ☑ Yes ☐ No ID: 14280-EB @ 1205 # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Used micro purging method due to time it would take to get 3 well volumes purging too long.

Intake at 98 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 ____)

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
1035	2.25	7.49	18.69	0.395	-228.5	0.43	5.14	53.56'	
1050	2.5	7.44	18.77	0.392	-239.9	0.35	4.98	55.70	
1105	2.75	7.38	18.92	0.387	-257.2	0.11	5.30	56.70'	
1120	3.00	7.34	19.13	0.383	-268.8	0.09	4.70	57.50	
1135	3.50	7.30	19.20	0.379	-273.5	0.06	2.89	59.55'	
1150	3.75	7.27	19.34	0.375	-278.9	0.05	2.17	61.76	
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: 145686 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: SK/LA

Project Location: Smyrna GA Weather: 78°

2. WELL DATA

Date Measured: 10-6-14 Time: 1pm 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: 24.12 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: 20.88 feet Well Volume: 3.48 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: 10-6-14 Time: 1330

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): 5 well volumes or 10.46 gallons

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

Equipment Model(s)
1. YSI
2. ~~Horiba~~ 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
1335	2.0	6.48	20.31	.191	-11.9	.46	2.94	20.95	
1340	4.5	6.50	20.27	.205	-47.6	.36	1.76	21.03	
1345	6.5	6.53	20.39	.207	-55.2	.69	3.40	21.19	
1350	8.5	6.51	20.35	.207	-63.5	.75	2.69	21.23	
1355	10.5	6.51	20.33	.209	-67.4	.73	1.19	21.30	

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: 14279-mw-6 Sample Date: 10-6-14 Sample Time: 1355 # 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

VOCs, Methane, Nitrate & Sulfate, Ferrous Iron
well in good condition, no erosion

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-8

1. PROJECT INFORMATION

Project Number: 145686 Task Number: Area of Concern:

Client: Sara Lee Personnel: Skala

Weather: ~70°

2. WELL DATA

Date Measured: 10-6-14 Time: 4PM 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: 42.89 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: 12.11 feet — Well Volume: 2.02 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: 10-8-14 Time: 0845

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 6.06 gallons

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

Equipment Model(s): 1. YSI 2. DRT 3. 1-3/4 bladder 4.

Calibrated? ☑ Yes ☐

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
0850	.2	6.49	19.07	.907	-26.6	.91	181	43.53	
0900	.6	6.54	19.00	.903	7.2	1.26	98.9	43.67	
0910	1.2	6.54	18.93	.878	31.7	1.32	25.8	~~54~~ 43.73	
0920	1.6	6.54	18.91	.835	44.9	1.20	16.3	43.81	
0930	2.4	6.55	18.78	.856	53.9	1.09	8.83	43.81	

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: 14281-MW-8 Sample Date: 10-8-14 Sample Time: 1040 # of Containers: 8

Duplicate Sample Collected? ☑ Yes ☐ No ID: 14281-DUP MW-30 # 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

Mn, VOCs, Methane, Ferrous Iron, Nitrate + Sulfate
DUP w/ VOCs, Mn.

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~~ 8

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
0940	3.3	6.56	18.78	.857	59.0	1.08	8.66	43.93	
0950	4.1	6.57	18.77	.866	61.1	1.05	6.05	43.93	
1000	4.7	6.58	18.79	.866	62.2	1.01	6.91	43.93	
1010	5.2	6.58	18.79	.866	63.5	0.97	2.62	43.96	
1020	5.9	6.59	18.78	.866	63.8	0.96	2.06	43.96	
1030	6.8	6.59	18.79	.867	64.2	0.91	0.63	43.97	
1040	7.5	6.60	18.80	.867	64.6	0.91	1.18	43.97	
				1040 Sample					

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25 Sept.08 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-11

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: SK/GC

Project Location: Smyrna GA Weather: ~78°

2. WELL DATA

Date Measured: 10-6-14 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: 28.28 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: 9.72 feet Well Volume: 1.6 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: 10-6-14 Time: 1440

Equipment Model(s)

1. YSI
2. PET
3. GeoSub
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 4.86 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
1445	2.0	6.61	17.58	.491	-96.2	.25	53.1	28.79	
1450	3.5	6.53	17.48	.439	-95.7	.43	12.19	29.13	
1455	5.0	6.51	17.47	.431	-96.7	.66	8.03	29.54	
1500	6.5	6.51	17.47	.430	-100.3	.68	6.93	29.68	
1505	8.0	6.52	17.48	.431	-103.5	.65	5.18	29.86	

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: 14279-MW-11 Sample Date: 10-6-14 Sample Time: 1505 # of Containers: 2

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

Equipment Blank Collected? ☑ Yes ☐ No ID: 14279-EB # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

VOCs only

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: 145686 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna GA Weather: Sunny ~ 80°F

2. WELL DATA

Date Measured: 10.6.14 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: 39.47 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: 6.53 feet Well Volume: 1.09 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: 10.7.14 Time: 1330

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. MP-50

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

3. YSI-556

Volume to Purge (minimum): 3 well volumes or 3.27 gallons

4. DPI-ISCE

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
1340	0.50	6.23	21.67	0.352	-105.2	0.34	19.7	39.70	
1350	0.75	6.30	21.68	0.352	-112.8	0.32	14.3	39.75	
1400	1.00	6.32	21.32	0.353	-116.0	0.38	9.36	39.80	
1410	1.25	6.39	21.70	0.353	-122.7	0.36	6.77	39.80	
1420	1.5	6.35	20.85	0.351	-118.3	0.34	4.40	39.80	

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: 1420-MW-12 Sample Date: 10.7.14 Sample Time: 1525 # 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 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-12

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
1430	1.75	6.39	20.83	0.350	-119.1	0.29	4.06	39.80	
1440	2.10	6.41	21.10	0.351	-127.2	0.26	2.50	39.80	
1450	2.50	6.38	21.06	0.349	-125.7	0.25	2.74	39.80	
1500	2.75	6.43	21.04	0.350	-129.8	0.24	2.43	39.80	
1510	3.00	6.44	21.02	0.351	-131.9	0.23	2.71	39.80	
1520	3.27	6.35	20.57	0.348	-125.8	0.23	2.50	39.80	
1525	collect sample								

Purge data continued on next sheet? ☐

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-20

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: SKG

Project Location: Smyrna GA Weather: ~70° Sunny

2. WELL DATA

Date Measured: 10-6-14 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: 33.01 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: 11.99 feet Well Volume: 2.00 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: 10-6-14 Time: 1125

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 6.00 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
1130	1.0	7.01	16.26	.220	172.8	2.47	127	33.18	
1135	2.0	6.00	16.81	.161	153.9	2.79	134	33.36	
1140	3.0	5.62	16.24	.133	152.5	3.43	62.7	33.49	
1145	4.0	5.62	16.48	.133	149.7	3.92	38.3	33.53	
1150	5.0	5.55	16.46	.137	154.1	3.91	33.3	33.78	

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: Field Filtered? ☐ Yes ☐ No

Sample ID: 4379-MW-20 Sample Date: 10-6-14 Sample Time: 1210 # 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

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-20

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
1155	6.0	5.55	16.37	.139	154.3	4.17	17.04	34.13	
1200	7.0	5.55	16.15	.134	154.1	4.29	13.23	34.76	
1205	8.0	5.53	16.11	.136	154.7	4.28	10.77	34.81	
1210	9.0	5.53	16.10	.136	155.1	4.33	9.86	34.96	
			1210 Sample pH, Spec Cond DO						

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-21

1. PROJECT INFORMATION

Project Number: ____ Task Number: Area of Concern: ____

Client: Hillshire Brands Personnel: BS

Sampling GM Weather: sunny ~60°F

2. WELL DATA

Date Measured: 10.6.14 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: 57.82 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ____

Depth to Static Water: 38.14 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 Casing ☐ Other: ____

Length of Water Column: 19.68 feet Well Volume: 3.28 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: 10.6.14 Time: 1004

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 9.85 gallons 5x = 16.4

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

Equipment Model(s)
1. QED Bladder Pump
2. YSI · 556
3. DRT – 15CE
4. Heron dipper

Calibrated? ☑ Yes ☐

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
1004	0	6.08	17.71	0.267	163.9	6.94	>1000	38.18'	
1014	0.20	6.09	18.93	0.251	155.2	2.33	>1000	38.42	
1030	~~1024~~ 1325	5.97	18.37	0.237	156.3	1.09	>1000	39.14'	
1045	2.00	5.91	18.43	0.229	155.6	1.10	>1000	40.02	
1100	2.25	5.90	18.93	0.224	153.4	1.14	560	41.75	

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: 14279-MW-21 Sample Date: 10.6.14 Sample Time: 1620 # 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 ~56 ft. Pump was giving issues at first. Very turbid at first. very soft bottom, lots of sediment. Well may need Re-development.

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

* purged well for 6.5 hours

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: ~~MW-22~~ 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
1115	3.00	5.89	18.67	0.225	147.5	1.15	469	42.55	
1130	3.50	5.88	18.75	0.220	164.1	0.83	319	42.75	
1145	4.25	5.85	18.99	0.221	165.2	0.82	278	42.50	
1200	5.00	5.86	19.39	0.221	164.9	0.81	237	43.15	
1215	6.00	5.88	19.32	0.217	167.6	0.81	198	43.10	
1230	6.75	5.88	19.58	0.219	169.7	0.81	133	43.10	
1245	7.25	5.88	19.68	0.220	173.0	0.81	140	43.10	
1300	7.50	5.90	20.64	0.219	175.8	0.79	118	43.05	
1315	8.00	5.90	20.65	0.224	182.7	0.79	90.3	43.02	
1330	8.25	5.89	20.67	0.219	189.2	0.80	81.4	42.98	
1345	8.50	5.89	20.92	0.222	193.9	0.79	83.5	42.75	
1400	8.60	5.92	20.95	0.218	196.4	0.82	>1000	42.75	Lift pump
1415	9.40	5.86	20.35	0.214	194.6	0.90	315	42.70	2 ft to
1430	10.00	5.84	20.46	0.211	197.0	0.85	248	42.75	try to
1445	10.50	5.84	20.51	0.211	196.9	0.86	161	42.73	lower
1500	11.00	5.81	20.06	0.212	198.1	0.86	126	42.74	turbidity.
1515	11.50	5.83	20.46	0.208	195.7	0.85	98.5	42.74	
1530	12.25	5.82	20.27	0.211	195.5	0.86	117	42.73	
1545	13.25	5.79	20.31	0.212	197.1	0.85	72.9	42.70	Lowered PSI
1600	~~13~~ 13.50	5.81	20.50	0.214	195.1	0.85	73.6	42.65	
1615	14.00	5.82	20.55	0.210	192.0	0.85	78.5	42.66	
1620	collect sample								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-72A

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: Skala

Project Location: Smyrna GA Weather: ~75°

2. WELL DATA

Date Measured: 10.6.14 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: 75.20 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: 59.8 feet Well Volume: 9.98 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: 10-7-14 Time: 1110

Equipment Model(s)

1. YSI
2. GeoSub
3. ORT
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 30.0 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
1120	3.5	6.33	20.19	.060	-66.9	.64	16.66	82.51	
1130	6.0	6.31	20.14	.061	-86.8	.97	10.80	84.11	
1140	9.0	6.03	20.35	.390	-110.2	1.24	.84	83.84	pump slowed, will increase
1150	11.0	6.03	20.16	.405	-92.9	1.01	1.32	83.84	
1200	14.0	6.03	20.34	.424	-101.5	.85	0.20	86.89	

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: 14280-OW-72A Sample Date: 10-7-14 Sample Time: 1250 # 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: OW-72A

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
1210	18.0	6.02	20.30	.427	-81.0	.89	0.23	86.28	
1220	21.0	6.02	20.12	.430	-93.3	.75	.22	87.94	
1230	24.0	6.01	20.18	.433	-79.7	.78	.16	90.13	
1240	27.0	6.02	20.55	.433	-76.5	.74	.11	90.13	
1250	30.0	6.02	21.34	.433	-24.1	.77	.08	90.13	
			3 well Vol.						
			1250 sampl						
			pH, Spec Cond, DO						

Purge data continued on next sheet? ☐

Signature

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

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-74A

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 060 Area of Concern:

Client: Hillshire Brands Personnel: Sicsla

Project Location: Smyrna GA Weather: ~65°

2. WELL DATA

Date Measured: 10-6-14 Time: 4pm 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: 17.30 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: 63.7 feet — Well Volume: 10.63 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: 10-7-14 Time: 0845

Equipment Model(s)
1. YSI
2. DRT
3. GeoSub
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 31.9 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
0855	4.0	5.46	17.40	.243	123.7	1.60	56.8	19.54	
0905	8.0	5.49	17.53	.251	123.6	1.19	19.5	19.54	
0915	10.0	5.49	17.95	.253	125.3	1.05	21.4	19.54	pump slowed, raised it up in screen
0925	13.0	5.52	17.91	.252	124.8	.90	3.48	19.58	
0935	16.0	5.53	17.85	.253	125.3	.83	1.38	19.58	

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: 14380-OW-74A Sample Date: 10-7-14 Sample Time: 1020 # 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: OW-74A

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
0945	20.0	5.54	17.77	.252	125.2	.79	2.39	19.54	
0955	23.5	5.54	17.82	.253	125.5	.76	1.01	19.61	
1005	28.0	5.55	17.86	.252	125.8	.74	0.87	19.67	
1015	31.0	5.55	17.88	.252	126.1	.73	1.19	19.67	
1020	33.5	5.55	17.89	.252	126.1	.73	1.83	19.67	
			1020 Sample						
			3 well vol						
			pH, Spec Cond, DO						

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: IW-4

1. PROJECT INFORMATION

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

Client: Hillshire Brands Personnel: Brian Steele

Project Location: Smyrna GA Weather: sunny ~ 77°F

2. WELL DATA

Date Measured: 10-8-14 (10.6.14) 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: 42.00 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: 4.00 feet Well Volume: 0.66 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: 10.8.14 Time: 0904

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 2.00 gallons 5 x = 3.34

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

Equipment Model(s)
1. QED Bladder Pump
2. MP-50
3. YSI-556
4. ORT-15CE

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
0914	0.50	6.19	18.50	0.879	-100.6	0.50	19.7	42.35	
0924	1.00	6.24	18.52	0.901	-120.6	0.49	6.30	42.40	
0934	1.25	6.27	18.57	0.905	-125.9	0.42	4.20	42.40	
0944	1.60	6.29	18.61	0.902	-127.2	0.41	4.12	42.40	
0954	2.00	6.30	18.61	0.897	-130.1	0.41	3.47	42.40	

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: 14281-MW-49 Sample Date: 10-8-14 Sample Time: 1035 # of Containers: 7

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

Equipment Blank Collected? ☒Yes ☐No ID: 14281-EB @ 0820 # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Intake at ~45 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: IW-4

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
1004	2.40	6.31	18.78	0.895	-132.4	0.42	3.11	42.40	
1014	2.75	6.32	18.85	0.894	-132.1	0.44	3.05	42.40	
1024	3.00	6.32	18.78	0.888	-134.0	0.45	3.40	42.40	
1034	3.50	6.33	18.88	0.882	-134.5	0.45	3.15	42.40	
*	purged 5 well volumes,								
1035	collected sample								

Purge data continued on next sheet? ☐

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

Signature

Appendix B: 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
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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-2	Oct-14	0.6	0.5	177	19.25	5.60	1.49	0.145
		1.8	1.5	212	19.95	5.62	1.84	0.147
		2.4	2.0	151	19.72	5.59	1.77	0.148
		2.9	2.4	85.8	19.9	5.69	1.64	0.15
		3.7	3.1	43.8	20.21	5.74	1.65	0.15
		4	3.3	32.6	19.9	5.72	1.63	0.15
		4.3	3.6	26	20.23	5.74	1.66	0.15
		4.6	3.8	8.38	20.19	5.74	1.67	0.15
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

Groundwater Sampling Field Data
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Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		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
		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

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
		1.1	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
		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

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	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
		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
MW-4a	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
MW-4a	Apr-14	0.5	1.3	24.2	16.57	6.57	0.92	1.012
		1.0	2.6	13.7	15.24	6.51	0.55	1.057

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
		1.25	3.2	8.08	15.18	6.52	0.42	1.057
		1.5	3.9	5.64	15.29	6.53	0.35	1.030
		1.75	4.5	3.95	14.92	6.53	0.32	1.012
		2.0	5.2	3.39	15.18	6.54	0.29	0.996
		2.25	5.8	2.30	15.21	6.55	0.27	0.985
		2.5	6.5	1.82	15.19	6.55	0.25	0.972
		2.75	7.1	1.73	15.16	6.55	0.23	0.963
		3.0	7.8	1.09	15.25	6.55	0.23	0.955
		3.25	8.4	0.99	15.53	6.55	0.21	0.942
		3.5	9.1	0.8	15.43	6.55	0.21	0.938
		3.75	9.7	0.78	15.49	6.54	0.19	0.930
		4.0	10.4	0.75	15.63	6.56	0.19	0.924
		4.25	11.0	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-4a	Oct-14	0.50	0.76	19.70	18.50	6.19	0.50	0.879
		1.25	1.89	4.20	18.57	6.27	0.42	0.905
		2.00	3.03	3.47	18.61	6.30	0.41	0.897
		2.75	4.17	3.05	18.85	6.32	0.44	0.894
		3.00	4.55	3.40	18.78	6.32	0.45	0.888
		3.50	5.30	3.15	18.88	6.33	0.45	0.882
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

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	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
		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

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	0.042	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
		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

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	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
	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-4b	Oct-14	0.5	0.1	116	18.65	8.24	0.64	0.395
		1	0.1	13.9	18.55	7.79	0.47	0.398
		2.00	0.2	5.12	18.73	7.53	0.47	0.396
		2.5	0.3	4.98	18.77	7.44	0.35	0.392
		3.00	0.3	4.7	19.13	7.34	0.09	0.383
		3.50	0.4	2.89	19.2	7.3	0.06	0.379
		3.75	0.4	2.17	19.34	7.27	0.05	0.375
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

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
		14.25	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
		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

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
		14.00	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
		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

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
		2.5	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
		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

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	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	436.00	19.86	6.07	0.87	0.121
		3.5	1.4	391.00	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-6	Oct-14	2	0.6	2.94	20.31	6.48	0.46	0.191
		4.5	1.3	1.76	20.27	6.50	0.36	0.205
		6.5	1.9	3.90	20.39	6.53	0.69	0.207
		8.5	2.4	2.69	20.35	6.51	0.75	0.207
		10.5	3.0	1.19	20.33	6.51	0.73	0.209
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
		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

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
		4.4	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
		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

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-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
		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

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	2.6	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
		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

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		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
	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

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
		1.6	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
	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	5.3	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
	14-Oct	0.2	0.1	181.00	19.07	6.49	0.91	0.907
		1.2	0.6	25.80	18.93	6.54	1.32	0.878
		2.4	1.2	8.83	18.78	6.55	1.09	0.856
		4.1	2.0	6.05	18.77	6.57	1.05	0.866
		5.2	2.6	2.62	18.79	6.58	0.97	0.866
		5.9	2.9	2.06	18.78	6.59	0.96	0.866
		6.8	3.4	0.63	18.79	6.59	0.91	0.867
		7.5	3.7	1.18	18.80	6.60	0.91	0.867
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

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
		2.8	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
	Oct-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
	Oct-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
		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

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-9b		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
	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
		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

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
		0.8	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
	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

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
		1.75	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
MW-10	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
		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

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
		1.25	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
		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

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	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
	0ct-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
		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
	0ct-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

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	4.9	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
	14-Oct	2.00	1.25	53.10	17.58	6.61	0.25	0.491
		3.50	2.19	12.15	17.48	6.53	0.43	0.439
		5.00	3.13	8.03	17.47	6.51	0.66	0.431
		6.50	4.06	6.93	17.47	6.51	0.68	0.430
		8.00	5.00	5.18	17.48	6.52	0.65	0.431
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
	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

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	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
		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

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
		0.5	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
	14-Oct	0.50	0.5	19.70	21.67	6.23	0.34	0.352
		1.00	0.9	9.36	21.32	6.32	0.38	0.353
		1.50	1.4	4.40	20.85	6.35	0.34	0.351
		2.10	1.9	2.50	21.10	6.41	0.26	0.351
		2.75	2.5	2.43	21.04	6.43	0.24	0.350
		3.00	2.8	2.71	21.02	6.44	0.23	0.351
		3.27	3.0	2.50	20.57	6.35	0.23	0.348
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
		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

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		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
		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

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		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
		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

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-13b		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
		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
		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

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	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
		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

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
		1.75	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
		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

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
		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
		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				
	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
MW-17	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

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-17		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
		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

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-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
		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

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	0.3	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
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

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
		1.35	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
		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

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
		1.25	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
		8.00	4.46	53.9	16.92	5.03	6.91	0.055
	Oct-14	1.00	0.50	127.00	16.26	7.01	2.47	0.220
		2.00	1.00	134.00	16.81	6.00	2.79	0.161
		3.00	1.50	62.70	16.24	5.62	3.43	0.133
		4.00	2.00	38.30	16.48	5.62	3.92	0.133
		5.00	2.50	33.30	16.46	5.55	3.91	0.137
		6.00	3.00	17.04	16.37	5.55	4.17	0.139
		7.00	3.50	13.2	16.15	5.55	4.29	0.134
		8.00	4.00	11	16.11	5.53	4.28	0.136
		9.00	4.50	9.86	16.10	5.53	4.33	0.136
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
	Oct-14	0.00	0.00	>1000	17.71	6.08	6.94	0.267
		1.25	0.38	>1000	18.37	5.97	1.09	0.237
		2.25	0.69	560	18.93	5.90	1.14	0.224
		3.50	1.07	319	18.75	5.88	0.83	0.220
		5.00	1.52	237	19.39	5.86	0.81	0.221
		6.75	2.06	133	19.58	5.88	0.81	0.219
		7.50	2.29	118	20.64	5.90	0.79	0.219
		8.25	2.52	81.4	20.67	5.89	0.80	0.219
		8.60	2.62	>1000	20.95	5.92	0.82	0.218
		10.00	3.05	248	20.46	5.84	0.85	0.211
		11.00	3.35	126	20.06	5.81	0.86	0.212

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
		12.25	3.73	117	20.27	5.82	0.86	0.211
		13.25	4.04	72.9	20.31	5.79	0.85	0.212
		13.50	4.12	73.6	20.50	5.81	0.85	0.214
		14.00	4.27	78.5	20.55	5.82	0.85	0.210
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
		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

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	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
	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

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
		7.5	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-72	Oct-14	3.50	0.35	16.66	20.19	6.33	0.64	0.060
		6.00	0.60	10.80	20.14	6.31	0.97	0.061
		9.00	0.90	0.84	20.35	6.03	1.24	0.390
		11.00	1.10	1.32	20.16	6.03	1.01	0.405
		14.00	1.40	0.20	20.34	6.03	0.85	0.424
		18.00	1.80	0.79	20.30	6.02	0.89	0.427
		21.00	2.10	0.75	20.12	6.02	0.75	0.430
		24.00	2.40	0.78	20.18	6.01	0.78	0.433
		27.00	2.71	0.74	20.55	6.02	0.74	0.433
		30.00	3.01	0.77	21.34	6.02	0.77	0.433
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

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	0.5	173	17.43 C	5.58	0.30	0.222
		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
	0ct-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
0W-74A	0ct-11	3.5	0.5	217	16.97	4.99	0.97	0.230

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	0.9	153	16.98	5.18	0.71	0.238
		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	0.4	2.43	16.50	5.67	2.43	0.164
		5	0.7	1.54	16.77	5.67	1.54	0.197
		6	0.8	0.95	16.66	5.65	0.95	0.229
		8	1.1	0.66	16.83	5.64	0.66	0.234
		11	1.6	0.45	17.02	5.64	0.45	0.246
		13	1.8	0.6	17.70	5.63	0.60	0.243
		18	2.5	0.38	16.79	5.62	0.60	0.244
		22	3.1	0.33	16.76	5.60	0.38	0.245
		27	3.8	0.33	16.85	5.60	0.33	0.245
		30	4.2	0.31	16.75	5.61	0.31	0.245
		32	4.5	0.31	16.77	5.61	0.31	0.245
OW-74A	14-Oct	4	0.4	56.8	17.4	5.46	1.6	0.243
		8	0.8	19.5	17.53	5.49	1.19	0.251
		10	0.9	21.4	17.95	5.49	1.05	0.253
		13	1.2	3.48	17.91	5.52	0.9	0.252
		16	1.5	1.38	17.85	5.53	0.83	0.253
		20	1.9	2.39	17.77	5.54	0.79	0.252
		23.5	2.2	1.01	17.82	5.54	0.76	0.253
		28	2.6	0.87	17.86	5.55	0.74	0.252

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
		31	2.9	1.19	17.88	5.55	0.73	0.252
		33.5	3.2	1.83	17.89	5.55	0.73	0.252
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
		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
IW-4	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

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
		0.75	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
		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
IW-4	Oct-14	0.50	1.39	19.70	18.50	6.19	0.50	0.879
		1.25	3.47	4.20	18.57	6.27	0.42	0.905
		2.00	5.56	3.47	18.61	6.30	0.41	0.897
		2.75	7.64	3.05	18.85	6.32	0.44	0.894
		3.50	9.72	3.15	18.88	6.33	0.45	0.882

[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

[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 C: Laboratory Reports and Data Validation Forms *(on CD Rom)*

Brown AND Caldwell : LABORATORY DATA VERIFICATION FORM

1. PROJECT INFORMATION

Today's Date: 10/17/14

Project Number: 145686-010-007 Project Name/Client: Hill Shire Farms

Project Manager: T. Reifenberger Sampled By: G. Skala

Laboratory: AES Order No.: 1410538

2. SAMPLE INFORMATION

Purpose of sampling: Semiannual groundwater monitoring

Total number of samples: 6

☑ 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 Iron, 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: _____

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

If no: Notes: 3.4

☑ 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: Refer to Comment No. 1

☑ 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: _____

☑ 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)

Comment No. 1: According to the case narrative, samples -002D and -002E required dilution during preparation and/or analysis, which resulted in elevated reporting limits. No actions required.

Sarah E Jones

Signature of Data Verifier

(Rev 3/14/13 - SEJ)

Initials _____

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 13, 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: 1410538

Analytical Environmental Services, Inc. received 6 samples on 10/6/2014 5:10:00 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 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, 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

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1410538

Date: 10-6-14 Page 1 of 1

COMPANY: Brown + Caldwell	ADDRESS: 990 Hammond Dr, Ste 400 Atlanta, Ga 30328
PHONE:	FAX:
SAMPLED BY: SKala	SIGNATURE: SKala FT

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) HCl	VOCs	TOC	Nitrate	Sulfate	Ferrous Iron	Methane	REMARKS	No # of Containers
1	14279-MW-20	10-6-14	1210	X		GW	X								
2	14279-MW-6	10-6-14	1355	X		GW	X	Y	Y	Y	X	X			
3	14279-MW-11	10-6-14	1505	X		GW	X								
4	14279-EB	10-6-14	1525	X		W	X								
5	14279-MW21	10-6-14	1620	X		GW	X								
6	Trip Blank	—	—	X		W	X								
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.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: SKala FT	10/6/14 1710	1:	10/6/14
2:		2: 5-10	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Hillshire Brands

PROJECT #:

SITE ADDRESS:

SEND REPORT TO: TKuhnberger@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

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

Client: BROWN AND CALDWELL
Project: Hill Shire Farms
Lab ID: 1410538

Case Narrative

Ion Chromatography Analysis by Method 9056A:

Due to sample matrix, sample 1410538-002D required a dilution during preparation and/or analysis resulting in elevated reporting limits.

Ferrous Iron by Method SM3500FE D:

Due to sample matrix, sample 1410538-002E required dilution during preparation and/or analysis, resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-20
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 12:10:00 PM
Lab ID:	1410538-001	**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	197394	1	10/09/2014 05:14	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
2-Butanone	BRL	50		ug/L	197394	1	10/09/2014 05:14	NP
2-Hexanone	BRL	10		ug/L	197394	1	10/09/2014 05:14	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197394	1	10/09/2014 05:14	NP
Acetone	BRL	50		ug/L	197394	1	10/09/2014 05:14	NP
Benzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Bromodichloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Bromoform	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Bromomethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Carbon disulfide	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Carbon tetrachloride	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Chlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Chloroethane	BRL	10		ug/L	197394	1	10/09/2014 05:14	NP
Chloroform	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Chloromethane	BRL	10		ug/L	197394	1	10/09/2014 05:14	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Cyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Dibromochloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Dichlorodifluoromethane	BRL	10		ug/L	197394	1	10/09/2014 05:14	NP
Ethylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Freon-113	BRL	10		ug/L	197394	1	10/09/2014 05:14	NP
Isopropylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
m,p-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Methyl acetate	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Methylcyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Methylene chloride	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
o-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-20
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 12:10:00 PM
Lab ID:	1410538-001	**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	197394	1	10/09/2014 05:14	NP
Tetrachloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Toluene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Trichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:14	NP
Vinyl chloride	BRL	2.0		ug/L	197394	1	10/09/2014 05:14	NP
Surr: 4-Bromofluorobenzene	81.9	66.2-120		%REC	197394	1	10/09/2014 05:14	NP
Surr: Dibromofluoromethane	115	79.5-121		%REC	197394	1	10/09/2014 05:14	NP
Surr: Toluene-d8	97.5	77-117		%REC	197394	1	10/09/2014 05:14	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-6
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 1:55:00 PM
Lab ID:	1410538-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	3.72	1.00		mg/L	R277523	1	10/09/2014 16:02	JM
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
2-Butanone	BRL	50		ug/L	197394	1	10/09/2014 05:39	NP
2-Hexanone	BRL	10		ug/L	197394	1	10/09/2014 05:39	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197394	1	10/09/2014 05:39	NP
Acetone	BRL	50		ug/L	197394	1	10/09/2014 05:39	NP
Benzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Bromodichloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Bromoform	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Bromomethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Carbon disulfide	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Carbon tetrachloride	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Chlorobenzene	16	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Chloroethane	BRL	10		ug/L	197394	1	10/09/2014 05:39	NP
Chloroform	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Chloromethane	BRL	10		ug/L	197394	1	10/09/2014 05:39	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Cyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Dibromochloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Dichlorodifluoromethane	BRL	10		ug/L	197394	1	10/09/2014 05:39	NP
Ethylbenzene	10	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Freon-113	BRL	10		ug/L	197394	1	10/09/2014 05:39	NP
Isopropylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
m,p-Xylene	12	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Methyl acetate	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-6
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 1:55:00 PM
Lab ID:	1410538-002	**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	197394	1	10/09/2014 05:39	NP
Methylene chloride	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
o-Xylene	5.1	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Styrene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Tetrachloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Toluene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Trichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197394	1	10/09/2014 05:39	NP
Vinyl chloride	BRL	2.0		ug/L	197394	1	10/09/2014 05:39	NP
Surr: 4-Bromofluorobenzene	93.8	66.2-120		%REC	197394	1	10/09/2014 05:39	NP
Surr: Dibromofluoromethane	113	79.5-121		%REC	197394	1	10/09/2014 05:39	NP
Surr: Toluene-d8	96.2	77-117		%REC	197394	1	10/09/2014 05:39	NP
ION SCAN SW9056A								
Nitrate	BRL	2.5		mg/L	R277243	10	10/06/2014 19:41	YS
Sulfate	BRL	10		mg/L	R277243	10	10/06/2014 19:41	YS
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Methane	360	20		ug/L	197401	5	10/09/2014 16:18	SH
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.500		mg/L	R277615	5	10/07/2014 13:00	AB

Qualifiers:

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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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-11
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 3:05:00 PM
Lab ID:	1410538-003	**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	197394	1	10/09/2014 06:04	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,2-Dichlorobenzene	10	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,3-Dichlorobenzene	7.5	5.0		ug/L	197394	1	10/09/2014 06:04	NP
1,4-Dichlorobenzene	16	5.0		ug/L	197394	1	10/09/2014 06:04	NP
2-Butanone	BRL	50		ug/L	197394	1	10/09/2014 06:04	NP
2-Hexanone	BRL	10		ug/L	197394	1	10/09/2014 06:04	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197394	1	10/09/2014 06:04	NP
Acetone	BRL	50		ug/L	197394	1	10/09/2014 06:04	NP
Benzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Bromodichloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Bromoform	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Bromomethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Carbon disulfide	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Carbon tetrachloride	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Chlorobenzene	150	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Chloroethane	BRL	10		ug/L	197394	1	10/09/2014 06:04	NP
Chloroform	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Chloromethane	BRL	10		ug/L	197394	1	10/09/2014 06:04	NP
cis-1,2-Dichloroethene	130	5.0		ug/L	197394	1	10/09/2014 06:04	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Cyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Dibromochloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Dichlorodifluoromethane	BRL	10		ug/L	197394	1	10/09/2014 06:04	NP
Ethylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Freon-113	BRL	10		ug/L	197394	1	10/09/2014 06:04	NP
Isopropylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
m,p-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Methyl acetate	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Methylcyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Methylene chloride	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
o-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP

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- * Value exceeds maximum contaminant level
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Analytical Environmental Services, Inc **Date:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-11
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 3:05:00 PM
Lab ID:	1410538-003	**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	197394	1	10/09/2014 06:04	NP
Tetrachloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Toluene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Trichloroethene	9.3	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:04	NP
Vinyl chloride	BRL	2.0		ug/L	197394	1	10/09/2014 06:04	NP
Surr: 4-Bromofluorobenzene	87	66.2-120		%REC	197394	1	10/09/2014 06:04	NP
Surr: Dibromofluoromethane	112	79.5-121		%REC	197394	1	10/09/2014 06:04	NP
Surr: Toluene-d8	95.8	77-117		%REC	197394	1	10/09/2014 06:04	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-EB
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 3:25:00 PM
Lab ID:	1410538-004	**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	197394	1	10/08/2014 23:54	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
2-Butanone	BRL	50		ug/L	197394	1	10/08/2014 23:54	NP
2-Hexanone	BRL	10		ug/L	197394	1	10/08/2014 23:54	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197394	1	10/08/2014 23:54	NP
Acetone	BRL	50		ug/L	197394	1	10/08/2014 23:54	NP
Benzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Bromodichloromethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Bromoform	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Bromomethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Carbon disulfide	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Carbon tetrachloride	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Chlorobenzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Chloroethane	BRL	10		ug/L	197394	1	10/08/2014 23:54	NP
Chloroform	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Chloromethane	BRL	10		ug/L	197394	1	10/08/2014 23:54	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Cyclohexane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Dibromochloromethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Dichlorodifluoromethane	BRL	10		ug/L	197394	1	10/08/2014 23:54	NP
Ethylbenzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Freon-113	BRL	10		ug/L	197394	1	10/08/2014 23:54	NP
Isopropylbenzene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
m,p-Xylene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Methyl acetate	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Methylcyclohexane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Methylene chloride	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
o-Xylene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-EB
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 3:25:00 PM
Lab ID:	1410538-004	**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	197394	1	10/08/2014 23:54	NP
Tetrachloroethene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Toluene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Trichloroethene	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197394	1	10/08/2014 23:54	NP
Vinyl chloride	BRL	2.0		ug/L	197394	1	10/08/2014 23:54	NP
Surr: 4-Bromofluorobenzene	85.2	66.2-120		%REC	197394	1	10/08/2014 23:54	NP
Surr: Dibromofluoromethane	111	79.5-121		%REC	197394	1	10/08/2014 23:54	NP
Surr: Toluene-d8	96.3	77-117		%REC	197394	1	10/08/2014 23:54	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-21
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 4:20:00 PM
Lab ID:	1410538-005	**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	197394	1	10/09/2014 06:29	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
2-Butanone	BRL	50		ug/L	197394	1	10/09/2014 06:29	NP
2-Hexanone	BRL	10		ug/L	197394	1	10/09/2014 06:29	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197394	1	10/09/2014 06:29	NP
Acetone	BRL	50		ug/L	197394	1	10/09/2014 06:29	NP
Benzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Bromodichloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Bromoform	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Bromomethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Carbon disulfide	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Carbon tetrachloride	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Chlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Chloroethane	BRL	10		ug/L	197394	1	10/09/2014 06:29	NP
Chloroform	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Chloromethane	BRL	10		ug/L	197394	1	10/09/2014 06:29	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Cyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Dibromochloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Dichlorodifluoromethane	BRL	10		ug/L	197394	1	10/09/2014 06:29	NP
Ethylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Freon-113	BRL	10		ug/L	197394	1	10/09/2014 06:29	NP
Isopropylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
m,p-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Methyl acetate	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Methylcyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Methylene chloride	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
o-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14279-MW-21
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014 4:20:00 PM
Lab ID:	1410538-005	**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	197394	1	10/09/2014 06:29	NP
Tetrachloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Toluene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Trichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197394	1	10/09/2014 06:29	NP
Vinyl chloride	BRL	2.0		ug/L	197394	1	10/09/2014 06:29	NP
Surr: 4-Bromofluorobenzene	82.5	66.2-120		%REC	197394	1	10/09/2014 06:29	NP
Surr: Dibromofluoromethane	113	79.5-121		%REC	197394	1	10/09/2014 06:29	NP
Surr: Toluene-d8	96.5	77-117		%REC	197394	1	10/09/2014 06:29	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014
Lab ID:	1410538-006	**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	197394	1	10/09/2014 00:19	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
2-Butanone	BRL	50		ug/L	197394	1	10/09/2014 00:19	NP
2-Hexanone	BRL	10		ug/L	197394	1	10/09/2014 00:19	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197394	1	10/09/2014 00:19	NP
Acetone	BRL	50		ug/L	197394	1	10/09/2014 00:19	NP
Benzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Bromodichloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Bromoform	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Bromomethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Carbon disulfide	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Carbon tetrachloride	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Chlorobenzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Chloroethane	BRL	10		ug/L	197394	1	10/09/2014 00:19	NP
Chloroform	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Chloromethane	BRL	10		ug/L	197394	1	10/09/2014 00:19	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Cyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Dibromochloromethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Dichlorodifluoromethane	BRL	10		ug/L	197394	1	10/09/2014 00:19	NP
Ethylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Freon-113	BRL	10		ug/L	197394	1	10/09/2014 00:19	NP
Isopropylbenzene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
m,p-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Methyl acetate	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Methylcyclohexane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Methylene chloride	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
o-Xylene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP

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:** 13-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Farms	**Collection Date:**	10/6/2014
Lab ID:	1410538-006	**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	197394	1	10/09/2014 00:19	NP
Tetrachloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Toluene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Trichloroethene	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197394	1	10/09/2014 00:19	NP
Vinyl chloride	BRL	2.0		ug/L	197394	1	10/09/2014 00:19	NP
Surr: 4-Bromofluorobenzene	83.8	66.2-120		%REC	197394	1	10/09/2014 00:19	NP
Surr: Dibromofluoromethane	112	79.5-121		%REC	197394	1	10/09/2014 00:19	NP
Surr: Toluene-d8	95.3	77-117		%REC	197394	1	10/09/2014 00:19	NP

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 1410538

Checklist completed by _____ 10/6/14
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? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.4°C 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.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 13-Oct-14

Client: BROWN AND CALDWELL
Project: Hill Shire Farms
Lab Order: 1410538

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1410538-001A	14279-MW-20	10/6/2014 12:10:00PM	Groundwater	TCL VOLATILE ORGANICS		10/08/2014	10/09/2014
1410538-002A	14279-MW-6	10/6/2014 1:55:00PM	Groundwater	TCL VOLATILE ORGANICS		10/08/2014	10/09/2014
1410538-002B	14279-MW-6	10/6/2014 1:55:00PM	Groundwater	GC Analysis of Gaseous Samples		10/09/2014	10/09/2014
1410538-002C	14279-MW-6	10/6/2014 1:55:00PM	Groundwater	Total Organic Carbon (TOC)			10/09/2014
1410538-002D	14279-MW-6	10/6/2014 1:55:00PM	Groundwater	ION SCAN			10/06/2014
1410538-002E	14279-MW-6	10/6/2014 1:55:00PM	Groundwater	Ferrous Iron			10/07/2014
1410538-003A	14279-MW-11	10/6/2014 3:05:00PM	Groundwater	TCL VOLATILE ORGANICS		10/08/2014	10/09/2014
1410538-004A	14279-EB	10/6/2014 3:25:00PM	Groundwater	TCL VOLATILE ORGANICS		10/08/2014	10/08/2014
1410538-005A	14279-MW-21	10/6/2014 4:20:00PM	Groundwater	TCL VOLATILE ORGANICS		10/08/2014	10/09/2014
1410538-006A	TRIP BLANK	10/6/2014 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		10/08/2014	10/09/2014

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: 197394

Sample ID: **MB-197394** Client ID: Units: **ug/L** Prep Date: **10/08/2014** Run No: **277424**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197394** Analysis Date: **10/08/2014** Seq No: **5861306**

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: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: 197394

Sample ID: **MB-197394** Client ID: Units: **ug/L** Prep Date: **10/08/2014** Run No: **277424**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197394** Analysis Date: **10/08/2014** Seq No: **5861306**

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	42.35	0	50.00		84.7	66.2	120				
Surr: Dibromofluoromethane	54.00	0	50.00		108	79.5	121				
Surr: Toluene-d8	47.10	0	50.00		94.2	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: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: 197394

Sample ID: **LCS-197394** Client ID: Units: **ug/L** Prep Date: **10/08/2014** Run No: **277424**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197394** Analysis Date: **10/08/2014** Seq No: **5861305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.98	5.0	50.00		86.0	63.1	140				
Benzene	52.66	5.0	50.00		105	74.2	129				
Chlorobenzene	53.04	5.0	50.00		106	70	129				
Toluene	53.47	5.0	50.00		107	74.2	129				
Trichloroethene	50.70	5.0	50.00		101	71.2	135				
Surr: 4-Bromofluorobenzene	50.89	0	50.00		102	66.2	120				
Surr: Dibromofluoromethane	53.31	0	50.00		107	79.5	121				
Surr: Toluene-d8	54.10	0	50.00		108	77	117				

Sample ID: **1410498-008AMS** Client ID: Units: **ug/L** Prep Date: **10/08/2014** Run No: **277431**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197394** Analysis Date: **10/09/2014** Seq No: **5863116**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3336	250	2500		133	60.2	159				
Benzene	3022	250	2500		121	70.2	138				
Chlorobenzene	3029	250	2500		121	70.1	133				
Toluene	3071	250	2500		123	70	139				
Trichloroethene	2980	250	2500		119	70.1	144				
Surr: 4-Bromofluorobenzene	2064	0	2500		82.6	66.2	120				
Surr: Dibromofluoromethane	2730	0	2500		109	79.5	121				
Surr: Toluene-d8	2330	0	2500		93.2	77	117				

Sample ID: **1410498-008AMSD** Client ID: Units: **ug/L** Prep Date: **10/08/2014** Run No: **277431**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197394** Analysis Date: **10/09/2014** Seq No: **5863118**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3145	250	2500		126	60.2	159	3336	5.91	19.2	
Benzene	2896	250	2500		116	70.2	138	3022	4.22	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: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: 197394

Sample ID: **1410498-008AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **10/08/2014** Run No: **277431**
BatchID: **197394** Analysis Date: **10/09/2014** Seq No: **5863118**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2938	250	2500		118	70.1	133	3029	3.07	20	
Toluene	2926	250	2500		117	70	139	3071	4.84	20	
Trichloroethene	2848	250	2500		114	70.1	144	2980	4.56	20	
Surr: 4-Bromofluorobenzene	2061	0	2500		82.4	66.2	120	2064	0	0	
Surr: Dibromofluoromethane	2678	0	2500		107	79.5	121	2730	0	0	
Surr: Toluene-d8	2326	0	2500		93.1	77	117	2330	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: Hill Shire Farms
Workorder: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: 197401

Sample ID: **MB-197401**	Client ID:				Units: **ug/L**		Prep Date: **10/09/2014**		Run No: **277503**	
SampleType: **MBLK**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197401**		Analysis Date: **10/09/2014**		Seq No: **5863108**	
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-197401**	Client ID:				Units: **ug/L**		Prep Date: **10/09/2014**		Run No: **277503**	
SampleType: **LCS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197401**		Analysis Date: **10/09/2014**		Seq No: **5863111**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	114.0	4	200.0		57.0	45.2	115				

Sample ID: **LCSD-197401**	Client ID:				Units: **ug/L**		Prep Date: **10/09/2014**		Run No: **277503**	
SampleType: **LCSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197401**		Analysis Date: **10/09/2014**		Seq No: **5863114**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	110.7	4	200.0		55.3	45.2	115	114.0	2.94	20	

Sample ID: **1410571-004BMS**	Client ID:				Units: **ug/L**		Prep Date: **10/09/2014**		Run No: **277503**	
SampleType: **MS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197401**		Analysis Date: **10/09/2014**		Seq No: **5863142**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	126.6	4	200.0		63.3	41.1	115				

Sample ID: **1410571-004BMSD**	Client ID:				Units: **ug/L**		Prep Date: **10/09/2014**		Run No: **277503**	
SampleType: **MSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197401**		Analysis Date: **10/09/2014**		Seq No: **5863842**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	124.9	4	200.0		62.4	41.1	115	126.6	1.37	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: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: R277243

Sample ID: **MB-R277243** Client ID: Units: **mg/L** Prep Date: Run No: **277243**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R277243** Analysis Date: **10/06/2014** Seq No: **5857312**

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-R277243** Client ID: Units: **mg/L** Prep Date: Run No: **277243**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R277243** Analysis Date: **10/06/2014** Seq No: **5857309**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	5.249	0.25	5.000		105	90	110				
Sulfate	24.19	1.0	25.00		96.7	90	110				

Sample ID: **1410337-001CMS** Client ID: Units: **mg/L** Prep Date: Run No: **277243**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R277243** Analysis Date: **10/06/2014** Seq No: **5857319**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	6.467	0.25	5.000	1.196	105	90	110				H
Sulfate	29.22	1.0	25.00	0.7300	114	90	110				S

Sample ID: **1410337-001CMSD** Client ID: Units: **mg/L** Prep Date: Run No: **277243**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R277243** Analysis Date: **10/06/2014** Seq No: **5857323**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	6.579	0.25	5.000	1.196	108	90	110	6.467	1.71	20	H
Sulfate	24.93	1.0	25.00	0.7300	96.8	90	110	29.22	15.8	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: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: R277523

Sample ID: **MB-R277523**	Client ID:			Units: **mg/L**	Prep Date:	Run No: **277523**
SampleType: **MBLK**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277523**	Analysis Date: **10/09/2014**	Seq No: **5863723**

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-R277523**	Client ID:			Units: **mg/L**	Prep Date:	Run No: **277523**
SampleType: **LCS**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277523**	Analysis Date: **10/09/2014**	Seq No: **5863720**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	26.63	1.00	25.00		107	90	110				

Sample ID: **1410538-002CMS**	Client ID: **14279-MW-6**			Units: **mg/L**	Prep Date:	Run No: **277523**
SampleType: **MS**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277523**	Analysis Date: **10/09/2014**	Seq No: **5863756**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	28.82	1.00	25.00	3.719	100	80	120				

Sample ID: **1410538-002CMSD**	Client ID: **14279-MW-6**			Units: **mg/L**	Prep Date:	Run No: **277523**
SampleType: **MSD**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277523**	Analysis Date: **10/09/2014**	Seq No: **5863757**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	29.89	1.00	25.00	3.719	105	80	120	28.82	3.65	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: 1410538

ANALYTICAL QC SUMMARY REPORT

BatchID: R277615

Sample ID: **MB-R277615**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**
SampleType: **MBLK**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865690**

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-R277615**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**
SampleType: **LCS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865691**

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)	0.5038	0.100	0.5000		101	85	115				

Sample ID: **1410571-004DMS**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**
SampleType: **MS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865704**

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)	0.5118	0.100	0.5000		102	80	120				

Sample ID: **1410571-004DMSD**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**
SampleType: **MSD**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865705**

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)	0.4958	0.100	0.5000		99.2	80	120	0.5118	3.18	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		

Brown AND Caldwell : LABORATORY DATA VERIFICATION FORM

1. PROJECT INFORMATION

Today's Date: 10/17/14

Project Number: 145686-010-007 Project Name/Client: Hill Shire Farms

Project Manager: T. Reifenberger Sampled By: G. Skala

Laboratory: AES Order No.: 1410653

2. SAMPLE INFORMATION

Purpose of sampling: Semiannual groundwater monitoring

Total number of samples: 7

☑ Groundwater: 5 ☐ 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 Iron, 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: _____

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

If no: Notes: 3.1

☑ 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: Refer to Comment No. 1

☑ 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: Refer to Comment No. 1

☑ 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: _____

☑ 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)

Comment No. 1: According to the case narrative, the reported concentration of cis-1,2-DCE in sample -001A was qualified as "E" indicating an estimated value over the linear calibration range of the instrument. The sample couldn't be diluted and re-analyzed as the second vial was used to make a matrix spike (MS) and matrix spike duplicate (MSD). However, no MS/MSD results were provided for this sample. Actions required:
- Contact lab to inquire about the the MS/MSD and the availability of the second vial for a dilution.
- Qualify the result that exceeded the calibration range as estimated (J).

Follow-up to Comment No. 1: According to the lab, an MS/MSD set was made using the second vial of sample -001A. However, the auto-sampler spiked the compounds incorrectly, so the MS/MSD failed. A second MS/MSD set were made using other, non-project samples. Qualify the reported result as indicated above.

Sarah E Jones
Signature of Data Verifier

(Rev 3/14/13 - SEJ)

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 16, 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: 1410653

Analytical Environmental Services, Inc. received 7 samples on 10/7/2014 4:48:00 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 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, 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
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1410653

Date: 10-7-14 Page 1 of 1

COMPANY: Brown & Caldwell

ADDRESS: 990 Hammond Dr Ste 400 Atlanta, Ga 30328

PHONE:

FAX:

SAMPLED BY: Skala, Steph

SIGNATURE: Skala TH

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	VOCs	TOC	Nitrate	Sulfate	Ferrous Iron	Methane	REMARKS	No # of Containers
1	14280-GW-74A	10-7-14	1020	X		GW	X								
2	14280-GW-72A	10-7-14	1250	X		GW	X								
3	14280-MW-2	10-7-14	1535	X		GW	X								
4	14280-MW-12		1525	X		GW	X	X	X	X	X	X			
5	14280-~~MW-11a~~ MW-4B		1155	X		GW	X	X	X	X	X	X		VOCs only	
6	14280-EB		1205	X		W	X								
7	Trip Blanks	—	—	X		W	X								
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.

RELINQUISHED BY: DATE/TIME
1: Skala TH 10-7-14 1648
2:
3:

RECEIVED BY: DATE/TIME
1: Cateya Reeves 10/7/14 4:48
2:
3:

SPECIAL INSTRUCTIONS/COMMENTS:
VOCs only for 14280-MW-4B

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: Hillshire Brands
PROJECT #:
SITE ADDRESS:
SEND REPORT TO: TRafenberger@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: 16-Oct-14

Client: BROWN AND CALDWELL
Project: Hill Shire Farms
Lab ID: 1410653

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

cis-1,2-Dichloroethene value for sample 1410653-001A A is "E" qualified indicating an estimated value over linear calibration range. Sample could not be diluted and reanalyzed as the second vial was used to make matrix spike and matrix spike duplicate.

Analytical Environmental Services, Inc **Date:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-OW-74A
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 10:20:00 AM
Lab ID:	1410653-001	**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	197550	1	10/10/2014 20:01	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,1-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,1-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,2-Dibromoethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,2-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,2-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,2-Dichloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
2-Butanone	BRL	50		ug/L	197550	1	10/10/2014 20:01	GC
2-Hexanone	BRL	10		ug/L	197550	1	10/10/2014 20:01	GC
4-Methyl-2-pentanone	BRL	10		ug/L	197550	1	10/10/2014 20:01	GC
Acetone	BRL	50		ug/L	197550	1	10/10/2014 20:01	GC
Benzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Bromodichloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Bromoform	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Bromomethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Carbon disulfide	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Carbon tetrachloride	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Chlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Chloroethane	BRL	10		ug/L	197550	1	10/10/2014 20:01	GC
Chloroform	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Chloromethane	BRL	10		ug/L	197550	1	10/10/2014 20:01	GC
cis-1,2-Dichloroethene	240	5.0	J E	ug/L	197550	1	10/10/2014 20:01	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Cyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Dibromochloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Dichlorodifluoromethane	BRL	10		ug/L	197550	1	10/10/2014 20:01	GC
Ethylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Freon-113	BRL	10		ug/L	197550	1	10/10/2014 20:01	GC
Isopropylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
m,p-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Methyl acetate	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Methylcyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Methylene chloride	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
o-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-OW-74A
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 10:20:00 AM
Lab ID:	1410653-001	**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	197550	1	10/10/2014 20:01	GC
Tetrachloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Toluene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Trichloroethene	22	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Trichlorofluoromethane	BRL	5.0		ug/L	197550	1	10/10/2014 20:01	GC
Vinyl chloride	BRL	2.0		ug/L	197550	1	10/10/2014 20:01	GC
Surr: 4-Bromofluorobenzene	92.7	66.2-120		%REC	197550	1	10/10/2014 20:01	GC
Surr: Dibromofluoromethane	111	79.5-121		%REC	197550	1	10/10/2014 20:01	GC
Surr: Toluene-d8	95.7	77-117		%REC	197550	1	10/10/2014 20:01	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-OW-72A
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 12:50:00 PM
Lab ID:	1410653-002	**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	197550	1	10/10/2014 21:24	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,1-Dichloroethane	18	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,1-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,2-Dibromoethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,2-Dichlorobenzene	16	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,2-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,2-Dichloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
2-Butanone	BRL	50		ug/L	197550	1	10/10/2014 21:24	GC
2-Hexanone	BRL	10		ug/L	197550	1	10/10/2014 21:24	GC
4-Methyl-2-pentanone	BRL	10		ug/L	197550	1	10/10/2014 21:24	GC
Acetone	BRL	50		ug/L	197550	1	10/10/2014 21:24	GC
Benzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Bromodichloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Bromoform	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Bromomethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Carbon disulfide	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Carbon tetrachloride	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Chlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Chloroethane	BRL	10		ug/L	197550	1	10/10/2014 21:24	GC
Chloroform	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Chloromethane	BRL	10		ug/L	197550	1	10/10/2014 21:24	GC
cis-1,2-Dichloroethene	1800	100		ug/L	197550	20	10/13/2014 20:40	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Cyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Dibromochloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Dichlorodifluoromethane	BRL	10		ug/L	197550	1	10/10/2014 21:24	GC
Ethylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Freon-113	BRL	10		ug/L	197550	1	10/10/2014 21:24	GC
Isopropylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
m,p-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Methyl acetate	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Methylcyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Methylene chloride	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
o-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-OW-72A
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 12:50:00 PM
Lab ID:	1410653-002	**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	197550	1	10/10/2014 21:24	GC
Tetrachloroethene	12	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Toluene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
trans-1,2-Dichloroethene	14	5.0		ug/L	197550	1	10/10/2014 21:24	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Trichloroethene	54	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Trichlorofluoromethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:24	GC
Vinyl chloride	3.6	2.0		ug/L	197550	1	10/10/2014 21:24	GC
Surr: 4-Bromofluorobenzene	81.9	66.2-120		%REC	197550	20	10/13/2014 20:40	GC
Surr: 4-Bromofluorobenzene	94	66.2-120		%REC	197550	1	10/10/2014 21:24	GC
Surr: Dibromofluoromethane	111	79.5-121		%REC	197550	20	10/13/2014 20:40	GC
Surr: Dibromofluoromethane	112	79.5-121		%REC	197550	1	10/10/2014 21:24	GC
Surr: Toluene-d8	95.2	77-117		%REC	197550	1	10/10/2014 21:24	GC
Surr: Toluene-d8	97.2	77-117		%REC	197550	20	10/13/2014 20:40	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-MW-2
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 3:35:00 PM
Lab ID:	1410653-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	32	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,1-Dichloroethane	18	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,1-Dichloroethene	18	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,2-Dibromoethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,2-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,2-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,2-Dichloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
2-Butanone	BRL	50		ug/L	197550	1	10/10/2014 21:52	GC
2-Hexanone	BRL	10		ug/L	197550	1	10/10/2014 21:52	GC
4-Methyl-2-pentanone	BRL	10		ug/L	197550	1	10/10/2014 21:52	GC
Acetone	BRL	50		ug/L	197550	1	10/10/2014 21:52	GC
Benzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Bromodichloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Bromoform	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Bromomethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Carbon disulfide	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Carbon tetrachloride	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Chlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Chloroethane	BRL	10		ug/L	197550	1	10/10/2014 21:52	GC
Chloroform	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Chloromethane	BRL	10		ug/L	197550	1	10/10/2014 21:52	GC
cis-1,2-Dichloroethene	190	50		ug/L	197550	10	10/13/2014 16:26	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Cyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Dibromochloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Dichlorodifluoromethane	BRL	10		ug/L	197550	1	10/10/2014 21:52	GC
Ethylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Freon-113	BRL	10		ug/L	197550	1	10/10/2014 21:52	GC
Isopropylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
m,p-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Methyl acetate	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Methylcyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Methylene chloride	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
o-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-MW-2
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 3:35:00 PM
Lab ID:	1410653-003	**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	197550	1	10/10/2014 21:52	GC
Tetrachloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Toluene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Trichloroethene	40	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Trichlorofluoromethane	BRL	5.0		ug/L	197550	1	10/10/2014 21:52	GC
Vinyl chloride	BRL	2.0		ug/L	197550	1	10/10/2014 21:52	GC
Surr: 4-Bromofluorobenzene	88.3	66.2-120		%REC	197550	10	10/13/2014 16:26	GC
Surr: 4-Bromofluorobenzene	95.5	66.2-120		%REC	197550	1	10/10/2014 21:52	GC
Surr: Dibromofluoromethane	111	79.5-121		%REC	197550	1	10/10/2014 21:52	GC
Surr: Dibromofluoromethane	110	79.5-121		%REC	197550	10	10/13/2014 16:26	GC
Surr: Toluene-d8	96.4	77-117		%REC	197550	1	10/10/2014 21:52	GC
Surr: Toluene-d8	97.8	77-117		%REC	197550	10	10/13/2014 16:26	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-MW-12
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 3:25:00 PM
Lab ID:	1410653-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	6.38	1.00		mg/L	R277523	1	10/09/2014 16:28	JM
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,1-Dichloroethane	6.2	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,1-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,2-Dibromoethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,2-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,2-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,2-Dichloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
2-Butanone	BRL	50		ug/L	197550	1	10/10/2014 22:20	GC
2-Hexanone	BRL	10		ug/L	197550	1	10/10/2014 22:20	GC
4-Methyl-2-pentanone	BRL	10		ug/L	197550	1	10/10/2014 22:20	GC
Acetone	BRL	50		ug/L	197550	1	10/10/2014 22:20	GC
Benzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Bromodichloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Bromoform	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Bromomethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Carbon disulfide	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Carbon tetrachloride	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Chlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Chloroethane	BRL	10		ug/L	197550	1	10/10/2014 22:20	GC
Chloroform	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Chloromethane	BRL	10		ug/L	197550	1	10/10/2014 22:20	GC
cis-1,2-Dichloroethene	32	5.0		ug/L	197550	1	10/10/2014 22:20	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Cyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Dibromochloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Dichlorodifluoromethane	BRL	10		ug/L	197550	1	10/10/2014 22:20	GC
Ethylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Freon-113	BRL	10		ug/L	197550	1	10/10/2014 22:20	GC
Isopropylbenzene	7.8	5.0		ug/L	197550	1	10/10/2014 22:20	GC
m,p-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Methyl acetate	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-MW-12
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 3:25:00 PM
Lab ID:	1410653-004	**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	197550	1	10/10/2014 22:20	GC
Methylene chloride	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
o-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Styrene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Tetrachloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Toluene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Trichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Trichlorofluoromethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:20	GC
Vinyl chloride	2.3	2.0		ug/L	197550	1	10/10/2014 22:20	GC
Surr: 4-Bromofluorobenzene	100	66.2-120		%REC	197550	1	10/10/2014 22:20	GC
Surr: Dibromofluoromethane	112	79.5-121		%REC	197550	1	10/10/2014 22:20	GC
Surr: Toluene-d8	97.5	77-117		%REC	197550	1	10/10/2014 22:20	GC
ION SCAN SW9056A								
Nitrate	BRL	0.25		mg/L	R277601	1	10/08/2014 10:34	YS
Sulfate	BRL	1.0		mg/L	R277601	1	10/08/2014 10:34	YS
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Methane	260	8		ug/L	197401	2	10/09/2014 16:22	SH
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	19.7	2.50		mg/L	R277615	25	10/08/2014 08:50	AB

Qualifiers:

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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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-MW-4B
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 11:55:00 AM
Lab ID:	1410653-005	**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	197550	1	10/10/2014 22:48	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,1-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,1-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,2-Dibromoethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,2-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,2-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,2-Dichloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
2-Butanone	BRL	50		ug/L	197550	1	10/10/2014 22:48	GC
2-Hexanone	BRL	10		ug/L	197550	1	10/10/2014 22:48	GC
4-Methyl-2-pentanone	BRL	10		ug/L	197550	1	10/10/2014 22:48	GC
Acetone	BRL	50		ug/L	197550	1	10/10/2014 22:48	GC
Benzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Bromodichloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Bromoform	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Bromomethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Carbon disulfide	7.7	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Carbon tetrachloride	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Chlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Chloroethane	BRL	10		ug/L	197550	1	10/10/2014 22:48	GC
Chloroform	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Chloromethane	BRL	10		ug/L	197550	1	10/10/2014 22:48	GC
cis-1,2-Dichloroethene	5.7	5.0		ug/L	197550	1	10/10/2014 22:48	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Cyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Dibromochloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Dichlorodifluoromethane	BRL	10		ug/L	197550	1	10/10/2014 22:48	GC
Ethylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Freon-113	BRL	10		ug/L	197550	1	10/10/2014 22:48	GC
Isopropylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
m,p-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Methyl acetate	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Methylcyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Methylene chloride	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
o-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-MW-4B
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 11:55:00 AM
Lab ID:	1410653-005	**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	197550	1	10/10/2014 22:48	GC
Tetrachloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Toluene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Trichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Trichlorofluoromethane	BRL	5.0		ug/L	197550	1	10/10/2014 22:48	GC
Vinyl chloride	4.2	2.0		ug/L	197550	1	10/10/2014 22:48	GC
Surr: 4-Bromofluorobenzene	90.9	66.2-120		%REC	197550	1	10/10/2014 22:48	GC
Surr: Dibromofluoromethane	112	79.5-121		%REC	197550	1	10/10/2014 22:48	GC
Surr: Toluene-d8	98.9	77-117		%REC	197550	1	10/10/2014 22:48	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-EB
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 12:05:00 PM
Lab ID:	1410653-006	**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	197550	1	10/10/2014 19:33	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,1-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,1-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,2-Dibromoethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,2-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,2-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,2-Dichloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
2-Butanone	BRL	50		ug/L	197550	1	10/10/2014 19:33	GC
2-Hexanone	BRL	10		ug/L	197550	1	10/10/2014 19:33	GC
4-Methyl-2-pentanone	BRL	10		ug/L	197550	1	10/10/2014 19:33	GC
Acetone	BRL	50		ug/L	197550	1	10/10/2014 19:33	GC
Benzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Bromodichloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Bromoform	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Bromomethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Carbon disulfide	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Carbon tetrachloride	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Chlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Chloroethane	BRL	10		ug/L	197550	1	10/10/2014 19:33	GC
Chloroform	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Chloromethane	BRL	10		ug/L	197550	1	10/10/2014 19:33	GC
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Cyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Dibromochloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Dichlorodifluoromethane	BRL	10		ug/L	197550	1	10/10/2014 19:33	GC
Ethylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Freon-113	BRL	10		ug/L	197550	1	10/10/2014 19:33	GC
Isopropylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
m,p-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Methyl acetate	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Methylcyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Methylene chloride	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
o-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14280-EB
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014 12:05:00 PM
Lab ID:	1410653-006	**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	197550	1	10/10/2014 19:33	GC
Tetrachloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Toluene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Trichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Trichlorofluoromethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:33	GC
Vinyl chloride	BRL	2.0		ug/L	197550	1	10/10/2014 19:33	GC
Surr: 4-Bromofluorobenzene	94.1	66.2-120		%REC	197550	1	10/10/2014 19:33	GC
Surr: Dibromofluoromethane	112	79.5-121		%REC	197550	1	10/10/2014 19:33	GC
Surr: Toluene-d8	99.9	77-117		%REC	197550	1	10/10/2014 19:33	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014
Lab ID:	1410653-007	**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	197550	1	10/10/2014 19:05	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,1-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,1-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,2-Dibromoethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,2-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,2-Dichloroethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,2-Dichloropropane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
2-Butanone	BRL	50		ug/L	197550	1	10/10/2014 19:05	GC
2-Hexanone	BRL	10		ug/L	197550	1	10/10/2014 19:05	GC
4-Methyl-2-pentanone	BRL	10		ug/L	197550	1	10/10/2014 19:05	GC
Acetone	BRL	50		ug/L	197550	1	10/10/2014 19:05	GC
Benzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Bromodichloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Bromoform	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Bromomethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Carbon disulfide	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Carbon tetrachloride	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Chlorobenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Chloroethane	BRL	10		ug/L	197550	1	10/10/2014 19:05	GC
Chloroform	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Chloromethane	BRL	10		ug/L	197550	1	10/10/2014 19:05	GC
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Cyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Dibromochloromethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Dichlorodifluoromethane	BRL	10		ug/L	197550	1	10/10/2014 19:05	GC
Ethylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Freon-113	BRL	10		ug/L	197550	1	10/10/2014 19:05	GC
Isopropylbenzene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
m,p-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Methyl acetate	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Methylcyclohexane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Methylene chloride	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
o-Xylene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Farms	**Collection Date:**	10/7/2014
Lab ID:	1410653-007	**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	197550	1	10/10/2014 19:05	GC
Tetrachloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Toluene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Trichloroethene	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Trichlorofluoromethane	BRL	5.0		ug/L	197550	1	10/10/2014 19:05	GC
Vinyl chloride	BRL	2.0		ug/L	197550	1	10/10/2014 19:05	GC
Surr: 4-Bromofluorobenzene	93.9	66.2-120		%REC	197550	1	10/10/2014 19:05	GC
Surr: Dibromofluoromethane	107	79.5-121		%REC	197550	1	10/10/2014 19:05	GC
Surr: Toluene-d8	96.9	77-117		%REC	197550	1	10/10/2014 19:05	GC

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 1410053

Checklist completed by _____ 10/7/14
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? (0°≤6°C)* 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 MS

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.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 16-Oct-14

Client: BROWN AND CALDWELL
Project: Hill Shire Farms
Lab Order: 1410653

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1410653-001A	14280-OW-74A	10/7/2014 10:20:00AM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/10/2014
1410653-002A	14280-OW-72A	10/7/2014 12:50:00PM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/10/2014
1410653-002A	14280-OW-72A	10/7/2014 12:50:00PM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/13/2014
1410653-003A	14280-MW-2	10/7/2014 3:35:00PM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/10/2014
1410653-003A	14280-MW-2	10/7/2014 3:35:00PM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/13/2014
1410653-004A	14280-MW-12	10/7/2014 3:25:00PM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/10/2014
1410653-004B	14280-MW-12	10/7/2014 3:25:00PM	Groundwater	GC Analysis of Gaseous Samples		10/09/2014	10/09/2014
1410653-004C	14280-MW-12	10/7/2014 3:25:00PM	Groundwater	Total Organic Carbon (TOC)			10/09/2014
1410653-004D	14280-MW-12	10/7/2014 3:25:00PM	Groundwater	ION SCAN			10/08/2014
1410653-004E	14280-MW-12	10/7/2014 3:25:00PM	Groundwater	Ferrous Iron			10/08/2014
1410653-005A	14280-MW-4B	10/7/2014 11:55:00AM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/10/2014
1410653-006A	14280-EB	10/7/2014 12:05:00PM	Groundwater	TCL VOLATILE ORGANICS		10/10/2014	10/10/2014
1410653-007A	TRIP BLANK	10/7/2014 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		10/10/2014	10/10/2014

Client: BROWN AND CALDWELL
Project Name: Hill Shire Farms
Workorder: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: 197401

Sample ID: **MB-197401**	Client ID:			Units: **ug/L**	Prep Date: **10/09/2014**	Run No: **277503**
SampleType: **MBLK**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**			BatchID: **197401**	Analysis Date: **10/09/2014**	Seq No: **5863108**

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-197401**	Client ID:			Units: **ug/L**	Prep Date: **10/09/2014**	Run No: **277503**
SampleType: **LCS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**			BatchID: **197401**	Analysis Date: **10/09/2014**	Seq No: **5863111**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	114.0	4	200.0		57.0	45.2	115				

Sample ID: **LCSD-197401**	Client ID:			Units: **ug/L**	Prep Date: **10/09/2014**	Run No: **277503**
SampleType: **LCSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**			BatchID: **197401**	Analysis Date: **10/09/2014**	Seq No: **5863114**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	110.7	4	200.0		55.3	45.2	115	114.0	2.94	20	

Sample ID: **1410571-004BMS**	Client ID:			Units: **ug/L**	Prep Date: **10/09/2014**	Run No: **277503**
SampleType: **MS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**			BatchID: **197401**	Analysis Date: **10/09/2014**	Seq No: **5863142**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	126.6	4	200.0		63.3	41.1	115				

Sample ID: **1410571-004BMSD**	Client ID:			Units: **ug/L**	Prep Date: **10/09/2014**	Run No: **277503**
SampleType: **MSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**			BatchID: **197401**	Analysis Date: **10/09/2014**	Seq No: **5863842**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	124.9	4	200.0		62.4	41.1	115	126.6	1.37	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: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: 197550

Sample ID: **MB-197550** Client ID: Units: **ug/L** Prep Date: **10/10/2014** Run No: **277603**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197550** Analysis Date: **10/10/2014** Seq No: **5869632**

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: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: 197550

Sample ID: **MB-197550** Client ID: Units: **ug/L** Prep Date: **10/10/2014** Run No: **277603**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197550** Analysis Date: **10/10/2014** Seq No: **5869632**

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	49.08	0	50.00		98.2	66.2	120				
Surr: Dibromofluoromethane	53.98	0	50.00		108	79.5	121				
Surr: Toluene-d8	47.40	0	50.00		94.8	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: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: 197550

Sample ID: **LCS-197550** Client ID: Units: **ug/L** Prep Date: **10/10/2014** Run No: **277603**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197550** Analysis Date: **10/10/2014** Seq No: **5869645**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.31	5.0	50.00		113	63.1	140				
Benzene	54.39	5.0	50.00		109	74.2	129				
Chlorobenzene	49.80	5.0	50.00		99.6	70	129				
Toluene	52.39	5.0	50.00		105	74.2	129				
Trichloroethene	57.71	5.0	50.00		115	71.2	135				
Surr: 4-Bromofluorobenzene	53.70	0	50.00		107	66.2	120				
Surr: Dibromofluoromethane	52.84	0	50.00		106	79.5	121				
Surr: Toluene-d8	48.52	0	50.00		97.0	77	117				

Sample ID: **1410658-003AMS** Client ID: Units: **ug/L** Prep Date: **10/10/2014** Run No: **277672**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197550** Analysis Date: **10/13/2014** Seq No: **5868812**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	65.68	5.0	50.00		131	60.2	159				
Benzene	66.21	5.0	50.00		132	70.2	138				
Chlorobenzene	65.98	5.0	50.00		132	70.1	133				
Toluene	65.70	5.0	50.00		131	70	139				
Trichloroethene	63.92	5.0	50.00		128	70.1	144				
Surr: 4-Bromofluorobenzene	44.68	0	50.00		89.4	66.2	120				
Surr: Dibromofluoromethane	50.51	0	50.00		101	79.5	121				
Surr: Toluene-d8	45.96	0	50.00		91.9	77	117				

Sample ID: **1410658-003AMSD** Client ID: Units: **ug/L** Prep Date: **10/10/2014** Run No: **277672**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197550** Analysis Date: **10/13/2014** Seq No: **5868923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	65.13	5.0	50.00		130	60.2	159	65.68	0.841	19.2	
Benzene	65.87	5.0	50.00		132	70.2	138	66.21	0.515	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: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: 197550

Sample ID: **1410658-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **10/10/2014** Run No: **277672**
BatchID: **197550** Analysis Date: **10/13/2014** Seq No: **5868923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	65.04	5.0	50.00		130	70.1	133	65.98	1.43	20	
Toluene	64.64	5.0	50.00		129	70	139	65.70	1.63	20	
Trichloroethene	63.51	5.0	50.00		127	70.1	144	63.92	0.643	20	
Surr: 4-Bromofluorobenzene	44.88	0	50.00		89.8	66.2	120	44.68	0	0	
Surr: Dibromofluoromethane	50.99	0	50.00		102	79.5	121	50.51	0	0	
Surr: Toluene-d8	46.23	0	50.00		92.5	77	117	45.96	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: Hill Shire Farms
Workorder: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: R277523

Sample ID: **MB-R277523**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277523**	
SampleType: **MBLK**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R277523**		Analysis Date: **10/09/2014**		Seq No: **5863723**	
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-R277523**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277523**	
SampleType: **LCS**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R277523**		Analysis Date: **10/09/2014**		Seq No: **5863720**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	26.63	1.00	25.00		107	90	110				

Sample ID: **1410538-002CMS**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277523**	
SampleType: **MS**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R277523**		Analysis Date: **10/09/2014**		Seq No: **5863756**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	28.82	1.00	25.00	3.719	100	80	120				

Sample ID: **1410538-002CMSD**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277523**	
SampleType: **MSD**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R277523**		Analysis Date: **10/09/2014**		Seq No: **5863757**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	29.89	1.00	25.00	3.719	105	80	120	28.82	3.65	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: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: R277601

Sample ID: **MB-R277601** Client ID: Units: **mg/L** Prep Date: Run No: **277601**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R277601** Analysis Date: **10/08/2014** Seq No: **5867519**

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-R277601** Client ID: Units: **mg/L** Prep Date: Run No: **277601**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R277601** Analysis Date: **10/08/2014** Seq No: **5867520**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	4.873	0.25	5.000		97.5	90	110				
Sulfate	27.33	1.0	25.00		109	90	110				

Sample ID: **1410658-002EMS** Client ID: Units: **mg/L** Prep Date: Run No: **277601**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R277601** Analysis Date: **10/08/2014** Seq No: **5867529**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	7.663	0.25	5.000	2.571	102	90	110				
Sulfate	24.87	1.0	25.00	1.322	94.2	90	110				

Sample ID: **141708-001DMS** Client ID: Units: **mg/L** Prep Date: Run No: **277601**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R277601** Analysis Date: **10/08/2014** Seq No: **5867564**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	4.761	0.25	5.000		95.2	90	110				
Sulfate	36.80	1.0	25.00	12.91	95.6	90	110				

Sample ID: **1410658-002EMSD** Client ID: Units: **mg/L** Prep Date: Run No: **277601**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R277601** Analysis Date: **10/08/2014** Seq No: **5867531**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	7.671	0.25	5.000	2.571	102	90	110	7.663	0.102	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: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: R277601

Sample ID: **1410658-002EMSD** Client ID: Units: **mg/L** Prep Date: Run No: **277601**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R277601** Analysis Date: **10/08/2014** Seq No: **5867531**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfate	25.32	1.0	25.00	1.322	96.0	90	110	24.87	1.80	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: 1410653

ANALYTICAL QC SUMMARY REPORT

BatchID: R277615

Sample ID: **MB-R277615**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**	
SampleType: **MBLK**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865690**	
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-R277615**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**	
SampleType: **LCS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865691**	
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)	0.5038	0.100	0.5000		101	85	115				

Sample ID: **1410571-004DMS**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**	
SampleType: **MS**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865704**	
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)	0.5118	0.100	0.5000		102	80	120				

Sample ID: **1410571-004DMSD**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277615**	
SampleType: **MSD**	TestCode: **Ferrous Iron**	**SM3500-Fe-B**			BatchID: **R277615**		Analysis Date: **10/07/2014**		Seq No: **5865705**	
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)	0.4958	0.100	0.5000		99.2	80	120	0.5118	3.18	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		

Brown AND Caldwell : LABORATORY DATA VERIFICATION FORM

1. PROJECT INFORMATION

Today's Date: 10/17/14

Project Number: 145686-010-007 Project Name/Client: Hill Shire Farms

Project Manager: T. Reifenberger Sampled By: G. Skala

Laboratory: AES Order No.: 1410751

2. SAMPLE INFORMATION

Purpose of sampling: Semiannual groundwater monitoring

Total number of samples: 5

☑ Groundwater: 3 ☐ Soil: _____ ☐ Soil Gas: _____ ☑ Trip Blank: 1

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

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

Analyses requested: VOCs, Mn, TOC, Nitrate, Sulfate, Ferrous Iron, Methane

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

Duplicates: MW-30 is a field duplicate of 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: _____

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

If no: Notes: 3.8

☑ 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: Refer to Comment No. 1

☑ 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: Refer to Comment No. 1

☑ 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: Refer to Comment No. 2

☐ 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)

Comment No. 1: According to the case narrative, samples -001D and -003C required dilution during preparation and/or analysis, which resulted in elevated reporting limits. No actions required.

Comment No. 2: Sample MW-30 is a field duplicate of sample MW-8. Refer to the attached sheet for a detailed duplicate comparison and RPD calculation. All calculated RPDs are within acceptable control limits. No further actions required.

Sarah E Jones
Signature of Data Verifier

(Rev 3/14/13 - SEJ)

Initials _____

LABORATORY DATA VERIFICATION

Sample Duplicate Comparison

PROJECT INFORMATION

Project Number: 145686-010-007 **Project Name:** Hill Shire Farms **Task/Purpose of Sampling:** Semiannual groundwater monitoring

Project Manager: T. Reifenberger **Client:** Hill Shire Farms

Laboratory: AES **Data Report:** 1410751

DUPLICATE INFORMATION

Parent Sample ID: MW-8 **Date/Time:** 10/8/14 1040 **Matrix:** Groundwater

Duplicate Sample ID: MW-30 **Date/Time:** 10/8/14 1200 **Matrix:** Groundwater

Analytes (ug/L, unless otherwise specified)	Analytical Results[a]		Relative Percent Difference (RPD) Comparison		Reporting Limit (RL) Comparison (If Needed)					Actions Required
	MW-8	MW-30	RPD	Inorg: RPD > 20%? Org: RPD > 30%?	MW-8		MW-30		Either Sample Conc. ≥ 2X RLs?	
					RL	2x RL	RL	2x RL		
1,1-Dichloroethane	37	37	0%	NO						No further action required.
1,2-Dichlorobenzene	68	68	0%	NO						No further action required.
1,3-Dichlorobenzene	16	17	6%	NO						No further action required.
1,4-Dichlorobenzene	14	14	0%	NO						No further action required.
cis-1,2-Dichloroethene	5500	5500	0%	NO						No further action required.
Tetrachloroethene	23	26	12%	NO						No further action required.
trans-1,2-Dichloroethene	28	29	4%	NO						No further action required.
Trichloroethene	18	18	0%	NO						No further action required.
Vinyl chloride	3.2	3	6%	NO						No further action required.
Manganese (mg/L)	15.6	15.6	0%	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.

October 16, 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 Brands

Dear TRISH REIFENBERGER P.E.: Order No: 1410751

Analytical Environmental Services, Inc. received 5 samples on 10/8/2014 1:25:00 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 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, 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
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: 1410751
Date: 10-8-14 Page 1 of 1

COMPANY: Brown + Caldwell
ADDRESS: 990 Hammond Dr, Ste 400 Atlanta, Ga 30328
PHONE:
FAX:
SAMPLED BY: Skala, Steele
SIGNATURE:

ANALYSIS REQUESTED: VOCs; Mn; Methane; Nitrate; Sulfate; Ferrous Iron; TOC

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

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	14281-MW-8	10-8-14	1040	Y		GW	HT X, HCl X, H2SO4 X, - X, - X, - X, NaOH X		
2	14281-MW-30	10-8-14	1200				HT X, HCl X		
3	14281-MW-4a	10-8-14	1035				HT X, HCl X, H2SO4 X, - X, - X, - X, NaOH X	ND Mn on MW-4a	
4	14281-FB	10-8-14	0820			W	HT X		
5	Trip Blanks	—	—			W	HT X		
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Skala [illegible]	10-8-14 1325	1: Latoya Reeves	10/8/14 1:25p
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS: Mn on 14281-MW-8 + 14281-MW-30 ONLY

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: Hillshire Brands
PROJECT #:
SITE ADDRESS:
SEND REPORT TO: TReifsnyder@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: 16-Oct-14

Client: BROWN AND CALDWELL
Project: Hill Shire Brands
Lab ID: 1410751

Case Narrative

Ion Chromatography Analysis by Method 9056A:

Due to sample matrix, sample(s) 1410751-001D and -003C required a dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-MW-8
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 10:40:00 AM
Lab ID:	1410751-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	26.5	1.00		mg/L	R277815	1	10/13/2014 18:12	JM
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,1-Dichloroethane	37	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,2-Dichlorobenzene	68	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,3-Dichlorobenzene	16	5.0		ug/L	197454	1	10/10/2014 05:28	NP
1,4-Dichlorobenzene	14	5.0		ug/L	197454	1	10/10/2014 05:28	NP
2-Butanone	BRL	50		ug/L	197454	1	10/10/2014 05:28	NP
2-Hexanone	BRL	10		ug/L	197454	1	10/10/2014 05:28	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197454	1	10/10/2014 05:28	NP
Acetone	BRL	50		ug/L	197454	1	10/10/2014 05:28	NP
Benzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Bromodichloromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Bromoform	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Bromomethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Carbon disulfide	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Carbon tetrachloride	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Chlorobenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Chloroethane	BRL	10		ug/L	197454	1	10/10/2014 05:28	NP
Chloroform	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Chloromethane	BRL	10		ug/L	197454	1	10/10/2014 05:28	NP
cis-1,2-Dichloroethene	5500	250		ug/L	197454	50	10/09/2014 17:23	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Cyclohexane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Dibromochloromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Dichlorodifluoromethane	BRL	10		ug/L	197454	1	10/10/2014 05:28	NP
Ethylbenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Freon-113	BRL	10		ug/L	197454	1	10/10/2014 05:28	NP
Isopropylbenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
m,p-Xylene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Methyl acetate	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-MW-8
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 10:40:00 AM
Lab ID:	1410751-001	**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	197454	1	10/10/2014 05:28	NP
Methylene chloride	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
o-Xylene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Styrene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Tetrachloroethene	23	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Toluene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
trans-1,2-Dichloroethene	28	5.0		ug/L	197454	1	10/10/2014 05:28	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Trichloroethene	18	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:28	NP
Vinyl chloride	3.2	2.0		ug/L	197454	1	10/10/2014 05:28	NP
Surr: 4-Bromofluorobenzene	84.8	66.2-120		%REC	197454	50	10/09/2014 17:23	NP
Surr: 4-Bromofluorobenzene	81.1	66.2-120		%REC	197454	1	10/10/2014 05:28	NP
Surr: Dibromofluoromethane	114	79.5-121		%REC	197454	50	10/09/2014 17:23	NP
Surr: Dibromofluoromethane	117	79.5-121		%REC	197454	1	10/10/2014 05:28	NP
Surr: Toluene-d8	94.7	77-117		%REC	197454	50	10/09/2014 17:23	NP
Surr: Toluene-d8	93.9	77-117		%REC	197454	1	10/10/2014 05:28	NP
ION SCAN SW9056A								
Nitrate	BRL	2.5		mg/L	R277477	10	10/08/2014 17:43	YS
Sulfate	83	10		mg/L	R277477	10	10/08/2014 17:43	YS
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Methane	63	4		ug/L	197404	1	10/10/2014 14:40	JM
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R277869	1	10/08/2014 16:30	AB
METALS, TOTAL SW6010C				**(SW3010A)**				
Manganese	15.6	0.0150		mg/L	197423	1	10/11/2014 12:40	TA

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-MW-30
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 12:00:00 PM
Lab ID:	1410751-002	**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	197454	1	10/10/2014 05:03	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,1-Dichloroethane	37	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,2-Dichlorobenzene	68	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,3-Dichlorobenzene	17	5.0		ug/L	197454	1	10/10/2014 05:03	NP
1,4-Dichlorobenzene	14	5.0		ug/L	197454	1	10/10/2014 05:03	NP
2-Butanone	BRL	50		ug/L	197454	1	10/10/2014 05:03	NP
2-Hexanone	BRL	10		ug/L	197454	1	10/10/2014 05:03	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197454	1	10/10/2014 05:03	NP
Acetone	BRL	50		ug/L	197454	1	10/10/2014 05:03	NP
Benzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Bromodichloromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Bromoform	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Bromomethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Carbon disulfide	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Carbon tetrachloride	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Chlorobenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Chloroethane	BRL	10		ug/L	197454	1	10/10/2014 05:03	NP
Chloroform	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Chloromethane	BRL	10		ug/L	197454	1	10/10/2014 05:03	NP
cis-1,2-Dichloroethene	5500	250		ug/L	197454	50	10/10/2014 16:54	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Cyclohexane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Dibromochloromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Dichlorodifluoromethane	BRL	10		ug/L	197454	1	10/10/2014 05:03	NP
Ethylbenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Freon-113	BRL	10		ug/L	197454	1	10/10/2014 05:03	NP
Isopropylbenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
m,p-Xylene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Methyl acetate	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Methylcyclohexane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Methylene chloride	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
o-Xylene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-MW-30
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 12:00:00 PM
Lab ID:	1410751-002	**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	197454	1	10/10/2014 05:03	NP
Tetrachloroethene	26	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Toluene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
trans-1,2-Dichloroethene	29	5.0		ug/L	197454	1	10/10/2014 05:03	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Trichloroethene	18	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:03	NP
Vinyl chloride	3.0	2.0		ug/L	197454	1	10/10/2014 05:03	NP
Surr: 4-Bromofluorobenzene	84.2	66.2-120		%REC	197454	50	10/10/2014 16:54	NP
Surr: 4-Bromofluorobenzene	79.2	66.2-120		%REC	197454	1	10/10/2014 05:03	NP
Surr: Dibromofluoromethane	112	79.5-121		%REC	197454	50	10/10/2014 16:54	NP
Surr: Dibromofluoromethane	117	79.5-121		%REC	197454	1	10/10/2014 05:03	NP
Surr: Toluene-d8	94.5	77-117		%REC	197454	50	10/10/2014 16:54	NP
Surr: Toluene-d8	95.8	77-117		%REC	197454	1	10/10/2014 05:03	NP
METALS, TOTAL SW6010C				**(SW3010A)**				
Manganese	15.6	0.0150		mg/L	197423	1	10/11/2014 12:44	TA

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-MW-4A
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 10:35:00 AM
Lab ID:	1410751-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	36.8	1.00		mg/L	R277815	1	10/13/2014 18:41	JM
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,1-Dichloroethane	15	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,2-Dichlorobenzene	240	100		ug/L	197454	50	10/09/2014 17:48	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,3-Dichlorobenzene	100	5.0		ug/L	197454	1	10/10/2014 05:52	NP
1,4-Dichlorobenzene	58	5.0		ug/L	197454	1	10/10/2014 05:52	NP
2-Butanone	BRL	50		ug/L	197454	1	10/10/2014 05:52	NP
2-Hexanone	BRL	10		ug/L	197454	1	10/10/2014 05:52	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197454	1	10/10/2014 05:52	NP
Acetone	BRL	50		ug/L	197454	1	10/10/2014 05:52	NP
Benzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Bromodichloromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Bromoform	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Bromomethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Carbon disulfide	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Carbon tetrachloride	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Chlorobenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Chloroethane	BRL	10		ug/L	197454	1	10/10/2014 05:52	NP
Chloroform	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Chloromethane	BRL	10		ug/L	197454	1	10/10/2014 05:52	NP
cis-1,2-Dichloroethene	6000	250		ug/L	197454	50	10/09/2014 17:48	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Cyclohexane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Dibromochloromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Dichlorodifluoromethane	BRL	10		ug/L	197454	1	10/10/2014 05:52	NP
Ethylbenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Freon-113	BRL	10		ug/L	197454	1	10/10/2014 05:52	NP
Isopropylbenzene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
m,p-Xylene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Methyl acetate	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-MW-4A
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 10:35:00 AM
Lab ID:	1410751-003	**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	197454	1	10/10/2014 05:52	NP
Methylene chloride	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
o-Xylene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Styrene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Tetrachloroethene	13	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Toluene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
trans-1,2-Dichloroethene	29	5.0		ug/L	197454	1	10/10/2014 05:52	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Trichloroethene	20	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197454	1	10/10/2014 05:52	NP
Vinyl chloride	5.1	2.0		ug/L	197454	1	10/10/2014 05:52	NP
Surr: 4-Bromofluorobenzene	82.3	66.2-120		%REC	197454	50	10/09/2014 17:48	NP
Surr: 4-Bromofluorobenzene	87.4	66.2-120		%REC	197454	1	10/10/2014 05:52	NP
Surr: Dibromofluoromethane	115	79.5-121		%REC	197454	50	10/09/2014 17:48	NP
Surr: Dibromofluoromethane	115	79.5-121		%REC	197454	1	10/10/2014 05:52	NP
Surr: Toluene-d8	96.2	77-117		%REC	197454	50	10/09/2014 17:48	NP
Surr: Toluene-d8	94	77-117		%REC	197454	1	10/10/2014 05:52	NP
ION SCAN SW9056A								
Nitrate	BRL	2.5		mg/L	R277477	10	10/08/2014 17:58	YS
Sulfate	79	10		mg/L	R277477	10	10/08/2014 17:58	YS
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Methane	140	4		ug/L	197404	1	10/10/2014 14:45	JM
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	0.216	0.100		mg/L	R277869	1	10/08/2014 16:30	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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-EB
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 8:20:00 AM
Lab ID:	1410751-004	**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	197454	1	10/09/2014 22:32	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
2-Butanone	BRL	50		ug/L	197454	1	10/09/2014 22:32	NP
2-Hexanone	BRL	10		ug/L	197454	1	10/09/2014 22:32	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197454	1	10/09/2014 22:32	NP
Acetone	BRL	50		ug/L	197454	1	10/09/2014 22:32	NP
Benzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Bromodichloromethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Bromoform	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Bromomethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Carbon disulfide	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Carbon tetrachloride	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Chlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Chloroethane	BRL	10		ug/L	197454	1	10/09/2014 22:32	NP
Chloroform	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Chloromethane	BRL	10		ug/L	197454	1	10/09/2014 22:32	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Cyclohexane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Dibromochloromethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Dichlorodifluoromethane	BRL	10		ug/L	197454	1	10/09/2014 22:32	NP
Ethylbenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Freon-113	BRL	10		ug/L	197454	1	10/09/2014 22:32	NP
Isopropylbenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
m,p-Xylene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Methyl acetate	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Methylcyclohexane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Methylene chloride	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
o-Xylene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	14281-EB
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014 8:20:00 AM
Lab ID:	1410751-004	**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	197454	1	10/09/2014 22:32	NP
Tetrachloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Toluene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Trichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:32	NP
Vinyl chloride	BRL	2.0		ug/L	197454	1	10/09/2014 22:32	NP
Surr: 4-Bromofluorobenzene	83.5	66.2-120		%REC	197454	1	10/09/2014 22:32	NP
Surr: Dibromofluoromethane	113	79.5-121		%REC	197454	1	10/09/2014 22:32	NP
Surr: Toluene-d8	97.1	77-117		%REC	197454	1	10/09/2014 22:32	NP

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014
Lab ID:	1410751-005	**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	197454	1	10/09/2014 22:56	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,1-Dichloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,1-Dichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,2-Dibromoethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,2-Dichloroethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,2-Dichloropropane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
2-Butanone	BRL	50		ug/L	197454	1	10/09/2014 22:56	NP
2-Hexanone	BRL	10		ug/L	197454	1	10/09/2014 22:56	NP
4-Methyl-2-pentanone	BRL	10		ug/L	197454	1	10/09/2014 22:56	NP
Acetone	BRL	50		ug/L	197454	1	10/09/2014 22:56	NP
Benzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Bromodichloromethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Bromoform	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Bromomethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Carbon disulfide	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Carbon tetrachloride	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Chlorobenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Chloroethane	BRL	10		ug/L	197454	1	10/09/2014 22:56	NP
Chloroform	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Chloromethane	BRL	10		ug/L	197454	1	10/09/2014 22:56	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Cyclohexane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Dibromochloromethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Dichlorodifluoromethane	BRL	10		ug/L	197454	1	10/09/2014 22:56	NP
Ethylbenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Freon-113	BRL	10		ug/L	197454	1	10/09/2014 22:56	NP
Isopropylbenzene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
m,p-Xylene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Methyl acetate	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Methylcyclohexane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Methylene chloride	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
o-Xylene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP

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:** 16-Oct-14

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hill Shire Brands	**Collection Date:**	10/8/2014
Lab ID:	1410751-005	**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	197454	1	10/09/2014 22:56	NP
Tetrachloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Toluene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Trichloroethene	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Trichlorofluoromethane	BRL	5.0		ug/L	197454	1	10/09/2014 22:56	NP
Vinyl chloride	BRL	2.0		ug/L	197454	1	10/09/2014 22:56	NP
Surr: 4-Bromofluorobenzene	82.5	66.2-120		%REC	197454	1	10/09/2014 22:56	NP
Surr: Dibromofluoromethane	114	79.5-121		%REC	197454	1	10/09/2014 22:56	NP
Surr: Toluene-d8	96.4	77-117		%REC	197454	1	10/09/2014 22:56	NP

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 1410751

Checklist completed by [signature] 10/8/14
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? (0°≤6°C)*	Yes ✓	No __	

Cooler #1 3.8 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 AW

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.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 16-Oct-14

Client: BROWN AND CALDWELL
Project: Hill Shire Brands
Lab Order: 1410751

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1410751-001A	14281-MW-8	10/8/2014 10:40:00AM	Groundwater	TCL VOLATILE ORGANICS		10/09/2014	10/09/2014
1410751-001A	14281-MW-8	10/8/2014 10:40:00AM	Groundwater	TCL VOLATILE ORGANICS		10/09/2014	10/10/2014
1410751-001B	14281-MW-8	10/8/2014 10:40:00AM	Groundwater	GC Analysis of Gaseous Samples		10/10/2014	10/10/2014
1410751-001C	14281-MW-8	10/8/2014 10:40:00AM	Groundwater	TOTAL METALS BY ICP		10/09/2014	10/11/2014
1410751-001D	14281-MW-8	10/8/2014 10:40:00AM	Groundwater	ION SCAN			10/08/2014
1410751-001E	14281-MW-8	10/8/2014 10:40:00AM	Groundwater	Ferrous Iron			10/08/2014
1410751-001F	14281-MW-8	10/8/2014 10:40:00AM	Groundwater	Total Organic Carbon (TOC)			10/13/2014
1410751-002A	14281-MW-30	10/8/2014 12:00:00PM	Groundwater	TCL VOLATILE ORGANICS		10/09/2014	10/10/2014
1410751-002B	14281-MW-30	10/8/2014 12:00:00PM	Groundwater	TOTAL METALS BY ICP		10/09/2014	10/11/2014
1410751-003A	14281-MW-4A	10/8/2014 10:35:00AM	Groundwater	TCL VOLATILE ORGANICS		10/09/2014	10/09/2014
1410751-003A	14281-MW-4A	10/8/2014 10:35:00AM	Groundwater	TCL VOLATILE ORGANICS		10/09/2014	10/10/2014
1410751-003B	14281-MW-4A	10/8/2014 10:35:00AM	Groundwater	GC Analysis of Gaseous Samples		10/10/2014	10/10/2014
1410751-003C	14281-MW-4A	10/8/2014 10:35:00AM	Groundwater	ION SCAN			10/08/2014
1410751-003D	14281-MW-4A	10/8/2014 10:35:00AM	Groundwater	Ferrous Iron			10/08/2014
1410751-003E	14281-MW-4A	10/8/2014 10:35:00AM	Groundwater	Total Organic Carbon (TOC)			10/13/2014
1410751-004A	14281-EB	10/8/2014 8:20:00AM	Aqueous	TCL VOLATILE ORGANICS		10/09/2014	10/09/2014
1410751-005A	TRIP BLANK	10/8/2014 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		10/09/2014	10/09/2014

Client: BROWN AND CALDWELL
Project Name: Hill Shire Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: 197404

Sample ID: **MB-197404**	Client ID:				Units: **ug/L**		Prep Date: **10/10/2014**		Run No: **277573**	
SampleType: **MBLK**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197404**		Analysis Date: **10/10/2014**		Seq No: **5867198**	
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-197404**	Client ID:				Units: **ug/L**		Prep Date: **10/10/2014**		Run No: **277573**	
SampleType: **LCS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197404**		Analysis Date: **10/10/2014**		Seq No: **5867199**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	113.9	4	200.0		57.0	45.2	115				

Sample ID: **LCSD-197404**	Client ID:				Units: **ug/L**		Prep Date: **10/10/2014**		Run No: **277573**	
SampleType: **LCSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197404**		Analysis Date: **10/10/2014**		Seq No: **5867200**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	111.5	4	200.0		55.7	45.2	115	113.9	2.17	20	

Sample ID: **1410789-004BMS**	Client ID:				Units: **ug/L**		Prep Date: **10/10/2014**		Run No: **277573**	
SampleType: **MS**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197404**		Analysis Date: **10/10/2014**		Seq No: **5867255**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	173.7	4	200.0	26.46	73.6	41.1	115				

Sample ID: **1410789-004BMSD**	Client ID:				Units: **ug/L**		Prep Date: **10/10/2014**		Run No: **277573**	
SampleType: **MSD**	TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**				BatchID: **197404**		Analysis Date: **10/10/2014**		Seq No: **5867256**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methane	177.8	4	200.0	26.46	75.7	41.1	115	173.7	2.36	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 Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: 197423

Sample ID: **MB-197423**	Client ID:				Units: **mg/L**	Prep Date: **10/09/2014**	Run No: **277560**
SampleType: **MBLK**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **197423**	Analysis Date: **10/10/2014**	Seq No: **5864597**

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-197423**	Client ID:				Units: **mg/L**	Prep Date: **10/09/2014**	Run No: **277560**
SampleType: **LCS**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **197423**	Analysis Date: **10/10/2014**	Seq No: **5864598**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	1.055	0.0150	1.000	0.0006642	105	80	120				

Sample ID: **1410690-003BMS**	Client ID:				Units: **mg/L**	Prep Date: **10/09/2014**	Run No: **277560**
SampleType: **MS**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **197423**	Analysis Date: **10/10/2014**	Seq No: **5864600**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	1.032	0.0150	1.000	0.009982	102	75	125				

Sample ID: **1410690-003BMSD**	Client ID:				Units: **mg/L**	Prep Date: **10/09/2014**	Run No: **277560**
SampleType: **MSD**	TestCode: **METALS, TOTAL**	**SW6010C**			BatchID: **197423**	Analysis Date: **10/10/2014**	Seq No: **5864602**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	1.031	0.0150	1.000	0.009982	102	75	125	1.032	0.161	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 Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: 197454

Sample ID: **MB-197454** Client ID: Units: **ug/L** Prep Date: **10/09/2014** Run No: **277431**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197454** Analysis Date: **10/09/2014** Seq No: **5863606**

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 Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: 197454

Sample ID: **MB-197454** Client ID: Units: **ug/L** Prep Date: **10/09/2014** Run No: **277431**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197454** Analysis Date: **10/09/2014** Seq No: **5863606**

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	42.82	0	50.00		85.6	66.2	120				
Surr: Dibromofluoromethane	55.53	0	50.00		111	79.5	121				
Surr: Toluene-d8	47.58	0	50.00		95.2	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 Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: 197454

Sample ID: **LCS-197454** Client ID: Units: **ug/L** Prep Date: **10/09/2014** Run No: **277431**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197454** Analysis Date: **10/09/2014** Seq No: **5863607**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.38	5.0	50.00		115	63.1	140				
Benzene	51.20	5.0	50.00		102	74.2	129				
Chlorobenzene	52.79	5.0	50.00		106	70	129				
Toluene	51.51	5.0	50.00		103	74.2	129				
Trichloroethene	49.93	5.0	50.00		99.9	71.2	135				
Surr: 4-Bromofluorobenzene	42.01	0	50.00		84.0	66.2	120				
Surr: Dibromofluoromethane	53.60	0	50.00		107	79.5	121				
Surr: Toluene-d8	47.03	0	50.00		94.1	77	117				

Sample ID: **1410751-003AMS** Client ID: **14281-MW-4A** Units: **ug/L** Prep Date: **10/09/2014** Run No: **277431**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197454** Analysis Date: **10/09/2014** Seq No: **5863610**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2662	250	2500		106	60.2	159				
Benzene	2668	250	2500		107	70.2	138				
Chlorobenzene	2746	250	2500		110	70.1	133				
Toluene	2726	250	2500		109	70	139				
Trichloroethene	2672	250	2500		107	70.1	144				
Surr: 4-Bromofluorobenzene	2071	0	2500		82.8	66.2	120				
Surr: Dibromofluoromethane	2738	0	2500		110	79.5	121				
Surr: Toluene-d8	2294	0	2500		91.7	77	117				

Sample ID: **1410751-003AMSD** Client ID: **14281-MW-4A** Units: **ug/L** Prep Date: **10/09/2014** Run No: **277431**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197454** Analysis Date: **10/09/2014** Seq No: **5863611**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2738	250	2500		110	60.2	159	2662	2.83	19.2	
Benzene	2654	250	2500		106	70.2	138	2668	0.526	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 Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: 197454

Sample ID: **1410751-003AMSD** Client ID: **14281-MW-4A** Units: **ug/L** Prep Date: **10/09/2014** Run No: **277431**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **197454** Analysis Date: **10/09/2014** Seq No: **5863611**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2754	250	2500		110	70.1	133	2746	0.291	20	
Toluene	2721	250	2500		109	70	139	2726	0.184	20	
Trichloroethene	2644	250	2500		106	70.1	144	2672	1.03	20	
Surr: 4-Bromofluorobenzene	2078	0	2500		83.1	66.2	120	2071	0	0	
Surr: Dibromofluoromethane	2696	0	2500		108	79.5	121	2738	0	0	
Surr: Toluene-d8	2288	0	2500		91.5	77	117	2294	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: Hill Shire Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: R277477

Sample ID: **MB-R277477**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277477**	
SampleType: **MBLK**	TestCode: **ION SCAN SW9056A**				BatchID: **R277477**		Analysis Date: **10/08/2014**		Seq No: **5864071**	
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-R277477**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277477**	
SampleType: **LCS**	TestCode: **ION SCAN SW9056A**				BatchID: **R277477**		Analysis Date: **10/08/2014**		Seq No: **5864072**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	5.181	0.25	5.000		104	90	110				
Sulfate	23.66	1.0	25.00		94.6	90	110				

Sample ID: **1410742-002BMS**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277477**	
SampleType: **MS**	TestCode: **ION SCAN SW9056A**				BatchID: **R277477**		Analysis Date: **10/08/2014**		Seq No: **5864087**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	61.19	2.5	50.00	9.820	103	90	110				
Sulfate	274.8	10	250.0	32.33	97.0	90	110				

Sample ID: **1410742-002BMSD**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **277477**	
SampleType: **MSD**	TestCode: **ION SCAN SW9056A**				BatchID: **R277477**		Analysis Date: **10/08/2014**		Seq No: **5864089**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	60.89	2.5	50.00	9.820	102	90	110	61.19	0.502	20	
Sulfate	269.6	10	250.0	32.33	94.9	90	110	274.8	1.92	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 Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: R277815

Sample ID: **MB-R277815**	Client ID:			Units: **mg/L**	Prep Date:	Run No: **277815**
SampleType: **MBLK**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277815**	Analysis Date: **10/13/2014**	Seq No: **5870407**

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-R277815**	Client ID:			Units: **mg/L**	Prep Date:	Run No: **277815**
SampleType: **LCS**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277815**	Analysis Date: **10/13/2014**	Seq No: **5870406**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	23.86	1.00	25.00		95.4	90	110				

Sample ID: **1410751-001FMS**	Client ID: **14281-MW-8**			Units: **mg/L**	Prep Date:	Run No: **277815**
SampleType: **MS**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277815**	Analysis Date: **10/13/2014**	Seq No: **5870427**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	50.16	1.00	25.00	26.52	94.6	80	120				

Sample ID: **1410751-001FMSD**	Client ID: **14281-MW-8**			Units: **mg/L**	Prep Date:	Run No: **277815**
SampleType: **MSD**	TestCode: **Total Organic Carbon (TOC) SW9060A**			BatchID: **R277815**	Analysis Date: **10/13/2014**	Seq No: **5870428**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	51.82	1.00	25.00	26.52	101	80	120	50.16	3.26	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: Hill Shire Brands
Workorder: 1410751

ANALYTICAL QC SUMMARY REPORT

BatchID: R277869

Sample ID: **MB-R277869** Client ID: Units: **mg/L** Prep Date: Run No: **277869**
SampleType: **MBLK** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R277869** Analysis Date: **10/08/2014** Seq No: **5871960**

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-R277869** Client ID: Units: **mg/L** Prep Date: Run No: **277869**
SampleType: **LCS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R277869** Analysis Date: **10/08/2014** Seq No: **5871961**

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)	0.4931	0.100	0.5000		98.6	85	115				

Sample ID: **1410708-009EMS** Client ID: Units: **mg/L** Prep Date: Run No: **277869**
SampleType: **MS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R277869** Analysis Date: **10/08/2014** Seq No: **5871973**

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)	0.4477	0.100	0.5000	0.02870	83.8	80	120				

Sample ID: **1410708-009EMSD** Client ID: Units: **mg/L** Prep Date: Run No: **277869**
SampleType: **MSD** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R277869** Analysis Date: **10/08/2014** Seq No: **5871974**

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)	0.4397	0.100	0.5000	0.02870	82.2	80	120	0.4477	1.80	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		

Appendix D: Laboratory Stipulation Letter

AES

Analytical Environmental Services, Inc.,
3080 Presidential Drive
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) 3080 Presidential Drive 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, 2014
Expires:	June 30, 2015

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 23, 2014