Voluntary Remediation Program
Final Compliance Status Report
Former Olympic Manufacturing/ Diversey Site
HSI Site No. 10435

Prepared for

The Hillshire Brands Company
Rathon Corp.

February 2016

Voluntary Remediation Program
Final Compliance Status Report
Former Olympic Manufacturing/Diversey Site

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

Prepared for

The Hillshire Brands Company
Rathon Corp.

February 2016

Brown AND Caldwell

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February 29, 2016

Mr. David Brownlee
Georgia Environmental Protection Division
Response and Remediation Program Release Notification Unit
2 Martin Luther King Jr. Drive, SE; Suite 1462
Atlanta, Georgia 30334 16-145686-030

Subject: Final Compliance Status Report
Former Diversey/Olympic Manufacturing Site, Smyrna, Georgia
HSI Site 10435

Dear Mr. Brownlee:

On behalf of The Hillshire Brands Company and Rathon Corp., Brown and Caldwell (BC) is pleased to provide this Final Compliance Status Report to the Georgia Environmental Protection Division (EPD) for the Former Diversey/Olympic Manufacturing Site in Smyrna, Georgia. One hard copy and two electronic copies are enclosed, with the electronic copies on compact discs (CDs) in searchable PDF format.

This report documents and certifies compliance with the delineation and cleanup requirements of EPD's Voluntary Remediation Program (VRP).

Approval to abandon all monitoring wells installed by Hillshire and Rathon associated with the site other than well MW-20 is requested. Annual monitoring of monitoring wells MW-9a, MW-9b, MW-20 and OW-74a will be conducted for at least five years.

If you have any questions regarding the enclosed report, please do not hesitate to call me at (770) 673-3630.

Very truly yours,

Brown and Caldwell

Trish Reifenberger, P.E.
Project Manager

PCR:ehs

cc: Jeremy Hall, The Hillshire Brands Company
Kirby McCalister, Tyson Foods, Inc.
Ben Moline, Rathon Corp
Harvey M. Sheldon, Hinshaw and Culbertson LLP
Leigh Purdy, Airgas USA, LLC–South Division

Enclosure

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February 29, 2016

Ms. Leigh Algatt Purdy
Director - Real Estate
Airgas USA, LLC - South Division
2015 Vaughn Road
400 Barrett Business Center
Kennesaw, Georgia 30144

16-145686-030

Subject: Final Compliance Status Report
Former Diversey/Olympic Manufacturing Site
3051 Olympic Industrial Drive, Smyrna, Georgia

Dear Ms. Purdy:

Please find enclosed a CD of the Final Compliance Status Report submitted to the Georgia Environmental Protection Division for the environmental work being conducted at the property located at the above address. This report was prepared by Brown and Caldwell on behalf of The Hillshire Brands Company and Rathon Corp.

If you have any questions regarding this report, please do not hesitate to call Harvey Sheldon of Hinshaw & Culbertson at (312) 704-3504.

Very truly yours,

Brown and Caldwell

Trish Reifenberger

Trish Reifenberger, P.E.
Project Manager

PCR:ehs

cc: David Brownlee, Georgia Environmental Protection Division
Jeremy Hall, The Hillshire Brands Company
Kirby McCalister, Tyson Foods, Inc.
Ben Moline, Rathon Corp
Harvey M. Sheldon, Hinshaw and Culbertson LLP

Enclosure

Table of Contents

List of Figures v
List of Tables v
Statement of Findings vi
Certifications vii
1. Introduction 1-1
1.1 Site Description and Setting 1-1
1.2 Site History 1-1
1.3 Report Organization 1-2
2. Site Background 2-1
2.1 Environmental History and Previous Environmental Work 2-1
2.1.1 Regulatory History 2-1
2.1.2 Investigation History 2-1
2.1.3 Remediation History 2-2
2.2 Source Areas 2-2
2.3 Potential Receptors 2-3
2.3.1 Human Receptor Survey 2-3
2.3.2 Environmental Receptor Survey 2-4
3. Constituents of Concern and Applicable Standards 3-1
3.1 Constituents of Concern 3-1
3.2 Applicable Standards 3-1
4. Hydrogeology and Site Conceptual Model 4-1
4.1 Geology and Hydrology 4-1
4.1.1 Regional Geology and Hydrology 4-1
4.1.2 Site Geology and Hydrology 4-2
4.2 Conceptual Site Model 4-2
5. Soil Investigation 5-1
5.1 Soil Sampling Activities 5-1
5.2 Soil Sampling Results 5-1
6. Groundwater Investigation 6-1
6.1 Historical Groundwater Sampling 6-1
6.2 Final Compliance Sampling 6-1
6.2.1 Work Performed 6-1
6.2.2 Groundwater Sampling Results 6-3
6.3 Vapor Intrusion Evaluation 6-5

7. Measures to Demonstrate Compliance with VRP Cleanup Requirements 7-1
7.1 Groundwater Modeling 7-1
7.1.1 Modeling Releases from the North Parking Lot 7-1
7.1.2 Modeling at South End of the Site 7-2
7.2 Environmental Covenants 7-2
7.2.1 Airgas Refrigerants, Inc. 7-3
7.2.2 State Properties Commission 7-3
7.2.3 Wesley Properties 7-3
7.2.4 Cobb County 7-3
7.2.5 Crimson Partners, LLC 7-4
8. Summary and Conclusions 8-1
8.1 Soil 8-1
8.2 Groundwater 8-1
8.2.1 Delineation 8-1
8.2.2 Compliance Relative to RRS 8-1
8.3 Future Actions 8-2
8.3.1 Monitoring Well Abandonment 8-2
8.3.2 Annual Sampling 8-2
8.3.3 Annual Reporting 8-2
9. Public Participation 9-1
10. Engineer's Services this Period 10-1
11. Limitations 11-1
12. References 12-1
Appendix A: Chronology of Activities 1987–1997 ..... A
Appendix B: EPD Letter Presenting Airgas Soil Results ..... B
Appendix C: Field Data Sheets – October 2015 C
Appendix D: Field Parameters through October 2015 *(on CD)* ..... D
Appendix E: Laboratory Data *(on CD)* ..... E
Appendix F: Laboratory Stipulation Letter ..... F
Appendix G: Groundwater Modeling Technical Memoranda ..... G
Appendix H: ELUCS and Commitment Letters ..... H

List of Figures

Figure 1-1. Site Vicinity
Figure 1-2. Location of Site Relative to the Chattahoochee River
Figure 1-3. Site Monitoring Wells and Neighboring Properties
Figure 1-4. Site Features During Former Olympic Operations
Figure 4-1 Plan View of Site CSM
Figure 4-2 Cross-section View of Site CSM
Figure 5-1. Soil Sampling Locations in East and South Areas
Figure 5-2. Soil Sampling Locations in North Parking Lot
Figure 5-3. Soil Delineation Status
Figure 6-1. Site Plan
Figure 6-2. Well Location and Top of Casing Elevation Map
Figure 6-3. Shallow Aquifer Potentiometric Map, October 26, 2015
Figure 6-4. Bedrock Aquifer Potentiometric Map, October 26, 2015
Figure 6-5. Groundwater Detections for Final Compliance Sampling Event, Shallow Aquifer, October 2015
Figure 6-6. Groundwater Detections for Final Compliance Sampling Event, Bedrock Aquifer, October 2015
Figure 6-7. Groundwater Detections Above Numeric Cleanup Level, Final Compliance Sampling Event, Shallow Aquifer, October 2015
Figure 6-8. Groundwater Detections Above Numeric Cleanup Level, Final Compliance Sampling Event, Bedrock Aquifer, October 2015

List of Tables

Table 2-1. Potential Environmental Receptors
Table 3-1. Final Delineation Standards
Table 3-2. Final Cleanup Standards
Table 5-1. Historical Summary of Soil Analytical Results
Table 6-1. Historical Groundwater Sampling Detections for 1998 – 2015
Table 6-2. Sampling Protocol, Final Compliance Sampling Event, October 2015
Table 6-3a. Historical Water Level Data
Table 6-3b. Historical Groundwater Elevation Data
Table 6-4. Analytical Detections for Final Compliance Sampling, October 2015
Table 10-1. Brown and Caldwell Labor from June 19, 2015 – February 25, 2016

Statement of Findings

Based on analysis of samples collected at the Former Olympic Manufacturing/Diversey Site (Hazardous Sites Inventory Site no. 10435), The Hillshire Brands Company (formerly Sara Lee Corporation) and Rathon Corp. have delineated soil and groundwater impact and are certifying compliance with Site Risk Reduction Standards (RRSs) under the Georgia Environmental Protection Division Voluntary Remediation Program (VRP).

Delineation of Site constituents of concern (COCs) and compliance with Type 1 RRSs for soil are detailed in Section 5 of this Final Compliance Status Report (CSR). Delineation of Site COCs and compliance with Type 3 and 4 RRSs for groundwater are detailed in Sections 6 and 7 of this CSR. Compliance with numeric RRSs, groundwater modeling, and environmental land use covenants demonstrate compliance with VRP requirements.

As outlined in Section 8 of this report, Hillshire and Rathon will perform annual groundwater monitoring and reporting for at least 5 years. Hillshire and Rathon request that all monitoring wells installed by Hillshire and Rathon, other than the wells to be monitored, be abandoned as outlined in Section 8 of this report.

Certification of Compliance with Risk Reduction Standards

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

Based on my review of the findings of this report with respect to the risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19-.07 and the Voluntary Remediation Program, I have determined that the Former Olympic Manufacturing/Diversey Site is in compliance with Type 1 risk reduction standards for soil, and Type 3 and/or Type 4 risk reduction standards for groundwater.

Signature: _____ Date: 2/25/2016

Printed Name: W. Kirby McCalister

Title: Authorized Signatory, EHS Manager

Company: The Hillshire Brands Company

Signature: _____ Date: 2·28·16

Printed Name: Benjamin Moline

Title: Manager, Water Resources and Real Estate

Company: Rathon Corp.

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.

February 29, 2016

(date)

Georgia Registration Number: 20676

Seal:



Section 1

Introduction

This Final Compliance Status Report (CSR) for the Former Olympic Manufacturing/Diversey (Olympic) 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 Response and Remediation Program of the Georgia Environmental Protection Division (EPD). This CSR is submitted in accordance with the EPD's Voluntary Remediation Program (VRP) Act.

This chapter discusses the Site's site description, site history, previous environmental work at the Site and report organization.

1.1 Site Description and Setting

The Site is located at 3051 Olympic Industrial Drive, in Smyrna, Georgia, at Latitude 33° 49' 55" N and Longitude 84° 27' 55" W. The legal description of the property was provided in the 2006 CSR and the 2010 VRP application.

The Site is located in an industrial park in an industrial area less than 1 mile from Atlanta (Figure 1-1). The Site is situated within a bend of the Chattahoochee River (Figure 1-2), with two wastewater treatment plants located less than 0.4 and 0.75 mile from the Site. The Cobb County Water System's new Chattahoochee Interceptor (deep wastewater tunnel) is located about 0.125 mile from the Site.

The Site is currently owned and occupied by Airgas Refrigerants, Inc. (Airgas). The adjoining properties consist of other warehouse/manufacturing operations. The existing owners of the neighboring properties are shown on Figure 1-2. The nearest residence is located approximately 0.25 mile from the Site.

Existing Site features and monitoring wells are shown on Figure 1-3. The property is about 5 acres in extent and includes one 44,000 square-foot one-story building. An out-of-service rail spur that was located along the eastern border of the Site was removed by CSX in July 2006. The property is largely asphalt-paved; unpaved areas are estimated to comprise less than 5 percent of the Site. A total of 34 monitoring wells have been installed for environmental assessment purposes (20 on-site and 14 off-site). Of those 34 monitoring wells, five are replacements for previously installed wells that were properly abandoned due to damage or similar reasons.

1.2 Site History

The Site history has been well documented in reports submitted to the EPD from 1995 to 2015, including the Comprehensive CSR and CSR Addenda submitted in 2003 through 2006, and progress reports submitted semiannually from 2007 through 2015.

The Site was first developed in 1967 as part of an industrial park and was occupied by Olympic Manufacturing, Inc. until 1988, when Olympic ceased operation. Olympic's operation consisted of manufacturing, packaging, and testing of detergents and truck washing machines. Sara Lee indirectly owned the stock of Olympic until 1983 when it was purchased by Rathon's predecessor (Diversey Industries). In 1995, in partnership with Rathon Corp., Sara Lee and Rathon formed

Gemini Partners, which purchased the Site to settle environmental and other claims of the landlord against Sara Lee and Rathon. Sara Lee and Rathon, through Gemini Partners, owned the property until 2001, and thereafter contractually retained responsibility for Olympic's historic environmental issues at the Site. The property was owned by JODACO, Inc. from 2001 until 2013 when it was sold to Airgas.

Olympic manufactured and tested industrial cleaners and equipment at the Site. Site features present on the property during the period of Olympic's operation are shown on Figure 1-4. Interviews with former employees indicated that Olympic's primary test area for their cleaning materials and equipment was the parking lot north of the building. The pavement was sloped to the east towards a sump where washwater was collected. The cleaning materials contained acids, bases, and surfactants. Product drums returned by customers for reuse were also reconditioned (cleaned and repainted) on-site. The drums were staged in the north lot, cleaned in a drum reconditioning shed located on the north side of the building, and repainted in an indoor paint booth. Olympic also cleaned customers' truck-washing equipment by dipping the equipment into a dip tank containing sodium hydroxide, located south of the building.

1.3 Report Organization

The report is organized into 12 sections. The present section references the project background and provides an outline of the report. Site background, sources and potential receptors are described in Section 2. Section 3 presents the constituents of concern and risk reduction standards for the Site. The regional and Site geology and hydrology are presented in Section 4. Soil and groundwater investigation work and results are presented in Sections 5 and 6, respectively. Remediation activities are presented in Section 7. Conclusions and future work are presented in Section 8. Section 9 describes the public participation notice. Engineers' services during this reporting period are provided in Section 10 as per VRP requirements. Sections 11 and 12 provide limitations and references, respectively. Supporting documentation is provided in appendices.

Section 2

Site Background

This section provides a summary of the Site's environmental history, source areas, and potential receptors. Additional detail on these topics is provided in the 2006 *CSR Addendum*.

2.1 Environmental History and Previous Environmental Work

Environmental investigations at the Site were initiated in about 1987 and focused remediation activities were conducted in 1998. Initially, reports were submitted to EPD following completion of planned tasks or at least once a year. Since 2007, Hillshire and Rathon have submitted reports semiannually to document the work performed and the results of investigative work, remedial measures, and semiannual sampling activities. Semiannual progress reports have continued to be submitted under the VRP.

Previous environmental investigations and remediation activities have been well documented in reports submitted to the EPD; however, a summary is presented in this report. Additional detail regarding more recent work is provided in Sections 6 and 7.

2.1.1 Regulatory History

Based on the soil and groundwater sampling described below, Gemini Partners, Sara Lee and Rathon submitted a Release Notification and Reporting Form to the EPD on May 31, 1996. The Site was subsequently listed on EPD's Hazardous Site Inventory (HSI) as HSI Site No. 10435 in 1997. EPD issued a CSR call-in letter for the Site on December 27, 2001. Investigation and focused remediation were conducted under EPD's Hazardous Sites Response Act (HSRA) Program of the Hazardous Waste Management Branch (now administered as the Response and Remediation Program of the Land Protection Branch). Hillshire and Rathon submitted an application to the VRP in 2010, and the Site was accepted into the VRP later that year.

2.1.2 Investigation History

Groundwater and soil investigation at the Site began in about 1987 by Diversey and the property owner at that time. Eight monitoring wells (MW-1 to MW-8) were installed in 1988, and groundwater samples were collected. Soil sampling was conducted between 1998 and 2010 in the north parking lot (former drum storage area), former equipment storage and dip tank area, and in the former aboveground storage tank (AST)/underground storage tank (UST) area east of the building. A chronology of the investigative activities conducted between 1987 and 1997 is provided in Appendix A.

In October 1998, eight soil borings were drilled off the eastern side of the building where USTs and/or ASTs had reportedly been previously located. All of the samples collected from these borings were below HSRA notification levels for the tested parameters. Off-site wells were first installed in 2001. In the course of investigative activities at the Site, 20 on-site and 14 off-site monitoring wells, and 99 separate soil borings have been installed to delineate groundwater and soil impact at the Site.

On-site groundwater monitoring was conducted at least annually between 1996 and 2006, and semiannually since 2007. Soil and groundwater investigation activities and results are presented in Sections 5 and 6 of this report, respectively.

2.1.3 Remediation History

Focused source remediation activities were performed at the Site in October 1998 to remove affected soil and reduce groundwater impact from overlying affected soil. As previous environmental investigations had indicated that contaminants were migrating into the subsurface from the collection sump in the north parking lot, remediation activities focused on removing the sump and the surrounding soil. The sump and impacted soil were excavated to a depth of about 19 feet below grade, and the wash station piping and surrounding soil were also removed. Approximately 453 tons of soil and construction debris (concrete and piping) were subsequently disposed of as nonhazardous waste. Soil samples from the bottom and sides of the pit were analyzed for volatile and semivolatile organic compounds. Laboratory analyses indicated that the samples from the sides of the pit were all in compliance with one or more risk reduction standards (RRSs), except those from the east wall and the bottom of the pit. Further excavation was halted as the excavation was already at the eastern property line and deeper excavation would require major impact to the parking lot, and additional remediation in the future was also anticipated. When soil removal activities were complete, the excavation was backfilled to grade and the asphalt pavement was replaced. Also in 1998, the wastewater pit formerly located off the southeast corner of the building was cleaned out and abandoned in place by filling with concrete.

A Focused Feasibility Study (FFS) was conducted in 2004 to evaluate alternative remedial approaches and technologies for the Site. Based on the FFS, in situ chemical oxidation (ISCO) bench-scale design testing was conducted in 2005 to determine appropriate oxidant dosages and potential oxidant demand. The FFS and design testing reports were provided as Appendices A and B, respectively, of the 2005 combined CSR Addendum/Corrective Action Plan (CAP). ISCO injections using sodium permanganate were conducted in the north parking lot in 2007 and 2008, and the results were submitted in subsequent semiannual reports.

The above activities, as well as natural attenuation have reduced the groundwater concentrations over time to the point that compliance with the Site VRP cleanup levels can be demonstrated. The groundwater modeling and environmental land use covenants used to certify compliance with VRP standards are summarized in Section 7.

2.2 Source Areas

Information regarding Site operations and the chemicals used on-site under Olympic's operation (including available Site operation and environmental files, notes from interviews with former employees, and an inventory of raw materials used during the Former Olympic operation compiled in 1989) were reviewed to determine possible contaminant sources.

On-site soil and groundwater impact appear to have originated primarily in the former sump in the north parking lot. Isolated additional source areas existed in the former drum storage/product testing area, the southeast corner of the building, and former equipment storage and former dip tank areas in the south parking lot. The name, location, regulated substances released as indicated by soil and groundwater sampling, available knowledge regarding the chronology of releases, and information regarding the construction and operation of these potential source areas were detailed in the 2006 CSR Addendum and are summarized below.

- The Sump in the North Parking Lot and Former Drum Storage/Product Testing Area – Regulated substances that may have been released in the north parking lot and/or drained to and from the sump in this area are chlorobenzene, 1,2-dichlorobenzene, ethylbenzene, tetrachloroethene (PCE), and 1,1,1-trichloroethane (1,1,1-TCA). Other chemicals that could not be ruled out from possibly having been released from these sources may have included toluene, cadmium, chromium, nickel and zinc.
- The Former Equipment Storage Area and Former Dip Tank in the South Parking Lot – Regulated substances that may have been released in the south parking lot from the former equipment storage area and former dip tank are ethylbenzene, PCE, and trichloroethene (TCE). Other chemicals that could not be ruled out from possibly having been released from these sources include chromium, nickel and zinc.
- Off the Southeast Corner of the Building – Regulated substances that may have been released off the southeast corner of the building are 1,2-dichlorobenzene, 1,4-dichlorobenzene, PCE, and 1,1,1-TCA. Other chemicals that could not be ruled out from possibly having been released in this area include chromium, nickel and zinc.
- An Undetermined Source Upgradient of the Olympic Property Indicated in Wells MW-9a and MW-9b – Regulated substances that may have been released in this area are n-butylbenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, ethylbenzene, naphthalene, PCE, TCE, and vinyl chloride. Other chemicals that could not be ruled out from possibly having been released from these sources include nickel and zinc.
- An Undetermined Source on the Property South of the Site Indicated in Well SMW-1 – The only regulated substance that appears to have been released upgradient of SMW-1 on this property (owned by Crimson Three Partners [Crimson]) is PCE.

Chloroform has also been detected across the Site at low concentrations consistent with levels in the public water supply. These detections have been attributed to leaks from water lines.

2.3 Potential Receptors

Human and environmental receptors that may have been or potentially could be impacted by a release at the Site are identified and described below.

2.3.1 Human Receptor Survey

As described above, the Site and adjoining properties have been developed for industrial use since prior to Olympic operations. The nearest residence to the Site is located approximately 0.25 mile northwest of the Site. Municipal water is provided throughout the study area and no drinking water wells are known to be located within 0.5 mile of the Site. A survey of the area surrounding the Site was conducted in early 2016, and no indications of wells (such as a well house) for drinking water, irrigation, or other uses were observed.

Future use of the groundwater is effectively precluded by the Official Code of Cobb County (Sec. 122-221(d)(1)). This code requires that any building in which plumbing fixtures are installed be connected to the public water system if such is available (Cobb County 2016). Potable water is supplied to the Site and surrounding area by the Cobb County Water System.

It is also highly unlikely that the Site would be redeveloped for residential use. The Olympic and Crimson properties are located within an industrial park at the end of a dead-end street that is bounded by an active rail line and a road way (South Atlanta Road) that is elevated approximately 20 feet above the level of the Site, and thus is geographically naturally apart from any residential area. Future residential redevelopment of the adjoining property on the northern downgradient side

(owned by Wesley Properties) is also highly unlikely as it is zoned "heavy industrial," adjoins the active rail line, and surrounding properties consist of established industrial operations and two wastewater treatment plants.

2.3.2 Environmental Receptor Survey

The Northwest Atlanta Quadrangle of the Georgia Natural Heritage Program listing of "Known Locations of Rare and Other Special Concern Animals, Plants and Natural Communities within Georgia" was searched for plants and animals of concern identified within this quadrangle in which the Site is located. These are listed in Table 2-1 below.

Table 2-1. Potential Environmental Receptors

Animals Species - Common Name. Habitat	Plants Species - Common Name. Habitat
Elliptio fraternai – Brother Spike. Sandy substrates of river channels with swift current.	*Aster georgianus* – Georgia Aster. Upland oak-hickory-pine forests and openings, sometimes with Echinacea laevigata or over amphibolite.
Quincuncina infucatai – Sculptured Pigtoe. Main channels of rivers and large streams with moderate current in sand and limestone rock substrate.	*Fothergilla major* – Mountain Witch-alder. Rocky (sandstone, granite) woods, bouldery stream margins.
	Schisandra glabra – Bay Starvine. Rich woods on stream terraces and lower slopes.

Theoretical potential exposure pathways for terrestrial organisms are ingestion (e.g., plant matter, surface water, and sediment), dermal absorption, and inhalation. The potential exposure pathways for aquatic organisms are through root absorption, ingestion (e.g., plant matter, surface water, and sediment), dermal absorption, and inhalation.

As Site contaminants are located in either subsurface groundwater or pavement-covered soil, the potential for the identified environmental receptors to be exposed appears to be negligible.

Section 3

Constituents of Concern and Applicable Standards

The constituents of concern (COCs), Conceptual Site Model (CSM), and RRSs associated with the Site are discussed below.

3.1 Constituents of Concern

COCs associated with the Site were identified by reviewing the chemicals detected in soil and groundwater on-site relative to chemicals used during Olympic's operation. Information regarding Site operations and chemicals used on-site was obtained from available Site operation and environmental files, notes from interviews with former employees, and an inventory of raw materials used during Olympic operations compiled in 1989. The screening process used and results were described in detail in the 2006 CSR Addendum.

The primary Site COCs are chlorobenzene, PCE, TCE, and cis-1,2-dichloroethene (cis-1,2-DCE). Other volatile organic compounds (VOCs) are also present at comparatively lower concentrations within the footprint of the primary COCs.

3.2 Applicable Standards

The delineation and cleanup standards for the Site have been determined based on VRP protocols. The standards, which have previously been approved by the EPD, are presented in Tables 3-1 and 3-2, respectively. With submittal of this Final CSR, Hillshire and Rathon are certifying compliance with Type 3 and/or 4 RRSs.

Section 4

Hydrogeology and Site Conceptual Model

The geologic and hydrologic setting of the Site is discussed below. This information is combined with that presented in Section 2 to develop the Site Conceptual Model (CSM).

4.1 Geology and Hydrology

The following sections present the geologic and hydrologic characteristics of the Site.

4.1.1 Regional Geology and Hydrology

The Site is located in the Piedmont physiographic province. The geology and hydrogeology in the Piedmont province is comprised of three distinct zones. The first zone consists of unconsolidated overburden (referred to as regolith), which includes alluvium, soil and saprolite comprised of sand, silt and clay. Saprolite is the clay-rich, residual material derived from in-place weathering of bedrock. Saprolite retains some of the textural features of the parent bedrock, including evidence of quartz veins, dikes and shear zones. The surficial water table aquifer in this zone is present within the pore spaces of the saprolite. This zone typically has low permeability due to the high content of clays and silty clays.

In general, the degree of weathering within the regolith decreases with depth, eventually resulting in a zone of partially weathered bedrock. This zone, often referred to as the transition zone, can range from a few feet to tens of feet in thickness and often exhibits significantly higher permeability than the overlying regolith or the underlying bedrock zone. Therefore, the transition zone may serve as a preferential channel for relatively rapid movement of constituents in groundwater. As noted, this zone is gradational so the exact beginning of the zone is difficult to determine, but it is typified by an increase in hardness (usually documented by an increase in blow counts when using standard penetration testing [SPT]), as well as an increase in the number and size of rock fragments.

The final zone within the Piedmont geologic regime is competent bedrock, which at the Site is composed of foliated phyllonite with numerous fractures. Groundwater flow in the bedrock zone is within the secondary porosity of the rock that includes fractures, fault planes, mineral foliations, and joints.

The overall rate of groundwater flow in the Piedmont is fairly slow although complex local geologic conditions cause wide differences in flow rates. Flow rates are typically slightly greater than 10 feet per year (LeGrand, 2004), but may be higher in the transition zone and/or bedrock.

The topography of the Piedmont is characterized by hills and valleys with a close network of perennial streams. These streams are generally linear lows in the water table, representing surface water discharge points where the water table and land surface intersect. Under natural conditions, the water table is a subdued reflection of the land surface. Hydrogeology in the Piedmont is basically made up of a series of interconnected groundwater basins or compartments that are similar to the surface watershed. Each compartment is hydraulically connected to adjacent compartments, but has distinct hydrologic characteristics such as flow direction and gradient. The water table divide

between compartments restricts natural groundwater flow between the compartments. Therefore, constituents present in one compartment would not naturally move laterally to an adjacent compartment. Groundwater moves continuously toward and partially or fully discharges to streams. The path of the natural groundwater movement is relatively short, almost invariably restricted to the zone underlying the topographic slope extending from a topographic divide to an adjacent stream (LeGrand, 2004).

4.1.2 Site Geology and Hydrology

The Site geology and hydrology is primarily comprised of a saprolite water table aquifer underlain by a weathered bedrock aquifer. The unconsolidated materials comprising the saprolite are characterized as reddish brown, micaceous, sandy silt to silty clay. As the uppermost hydrogeologic unit at the Site, the saprolite has been observed to range in thickness from approximately 35 feet near monitoring well MW-3R to approximately 107 feet near monitoring well OW-72. The depth to groundwater generally ranges from approximately 20 to 25 feet below ground surface (bgs) at the southern end of the Site around wells MW-9a and MW-9b, to 45 to 55 feet bgs at the northern end of the Olympic property, and 20 to 41 feet bgs off-site to the north at OW-74a and MW-20. Given these groundwater depths relative to the base of the saprolite, there are areas where the saprolite is unsaturated. In this case the water table is generally observed within the upper portion of the underlying weathered bedrock. In areas where the water table is observed to be above the base of the saprolite, saturated conditions are generally observed to be from a few inches to as great as 60 feet. Hydraulic conductivities within the saprolite are considered to be relatively low. Slug test results obtained from wells MW-9a and MW-12 within the saturated saprolite yielded an average hydraulic conductivity of 0.21 feet/day (ft/day).

The upper portion of the bedrock has been characterized as gray foliated phyllonite with numerous fractures that diminish with depth. The bedrock in this zone is moderately to highly weathered. The fractured and weather zone ranged in thickness from approximately 20 to 40 feet. Hydraulic conductivities from wells associated with the weathered bedrock zone ranged from 2.9 ft ft/day to 11 ft/day, with a geometric mean value of 5.2 ft/day. Groundwater is generally observed to be under semi-confined conditions, with the exception of the upland areas where water table conditions may exist. Groundwater elevations within the vicinity of the Site generally ranged from 760 feet above mean sea level (ft amsl) to 812 ft amsl. Groundwater flow is to the northeast and ultimately discharges into the Chattahoochee River. The average horizontal gradient within the weathered bedrock is approximately 0.028 foot per foot (ft/ft). This relatively high horizontal gradient results from the Site's upland location relative to the nearby Chattahoochee River. Using the average hydraulic conductivity of 5.2 ft/day, a gradient of 0.028, and an assumed effective porosity of 5 percent (representative of fractured rock), yields an estimated linear groundwater velocity of 1,063 feet per year.

When saturated conditions were observed within the saprolite, vertical gradients between the saprolite and the upper bedrock were generally observed to be downward. This is consistent with the underlying weathered bedrock's hydraulic conductivity being at least an order of magnitude greater than that observed within the saprolite. Given this, Site COCs within the saprolite will generally migrate vertically downward into the underlying weathered bedrock unit that serves as the primary horizontal migration pathway associated with off-site migration.

4.2 Conceptual Site Model

The CSM for the Site provides a basis for understanding how and where COCs entered the environment and how they:

- moved through the various media (soil, groundwater),
- attenuated and/or were transformed as they moved, and
- affected the media through which they migrated.

Plan and cross-section views of the Site CSM are provided on Figures 4-1 and 4-2, respectively. The depth to groundwater generally ranges from approximately 20 to 55 feet bgs across the Site. A groundwater divide appears to be located generally south of monitoring wells MW-9a and MW-9b. The divide results from the Site's location in a sharp bend or "elbow" in the Chattahoochee River as shown on Figure 1-1. Over the majority of the Site the potentiometric surface in the shallow and upper bedrock aquifers generally slopes from southwest to northeast from the MW-9a/MW-9b area. South of this divide groundwater appears to flow in a southwesterly direction. Given this, Site COCs within the saprolite will generally migrate vertically downward into the underlying weathered bedrock unit that serves as the primary horizontal migration pathway associated with off-site migration.

The primary source of subsurface COCs was the sump in the north parking lot. Impacted liquids containing PCE and other chlorinated VOCs appear to have been released from the sump into the underlying soil and to have migrated vertically to shallow groundwater. Once in the shallow groundwater, COCs migrated horizontally and vertically in a northerly direction.

VOCs, including chlorobenzene, also appear to have entered the subsurface from an undetermined source that affected wells MW-9a and MW-9b. PCE measured in well SMW-1 appears to have resulted from a separate release elsewhere than the Olympic property.

Section 5

Soil Investigation

Extensive soil sampling has been conducted at the Site by Hillshire, Rathon, and their predecessor companies. The work conducted and results have been well documented in previous reports submitted to EPD by Hillshire and Rathon. A summary of this work is provided below.

5.1 Soil Sampling Activities

Soil sampling was conducted at the Site by Hillshire, Rathon, and their predecessor companies between 1988 and 2010. Soil samples were collected in the north parking lot (former sump and drum storage areas), south parking lot (former equipment storage and dip tank areas), former AST/UST area east of the building, and elsewhere around the Site. A chronology of the early investigative activities conducted between 1987 and 1997 is provided in Appendix A, and subsequent sampling conducted under HSRA and the VRP is detailed in reports previously submitted to EPD by Hillshire and Rathon.

Investigative activities at the Site have included the installation of 90 soil borings to delineate and characterize soil impact at the Site. In addition, 10 soil samples were collected from the excavation of the sump in the north parking lot. The soil sampling locations are shown on Figures 5-1 and 5-2. Field work was conducted in conformance with United States Environmental Protection Agency (USEPA) guidance documents for RCRA and CERCLA soil sampling and USEPA Region 4 Science and Ecosystem Support Division (SESD) guidance and operating procedures. Soil boring logs were provided to the EPD previously.

Additionally, soil sampling was conducted at the Site in December 2012 by the current owner of the Olympic property (Airgas). The sampling was conducted as required by the October 31, 2012 limitation of liability issued to Airgas by the EPD Brownfields Program.

5.2 Soil Sampling Results

The soil sampling results are presented on Table 5-1. Laboratory reports for these analyses have previously been provided to EPD.

Following Hillshire and Rathon's final soil sampling in May 2010, delineation of soil impact was achieved. Vertical delineation was completed by the four soil samples collected in the EX-6B-1 boring (near the former sump in the north parking lot) at depths from 25 to 41 feet bgs. Horizontal delineation is illustrated on Figure 5-3 and was confirmed by EPD in their November 25, 2013 letter.

The 2010 soil sampling also demonstrated compliance with the Site RRSs in all areas except at one location (EX-6B-1) near the former sump in the north parking lot. At this location, a PCE concentration of 0.560 milligram per kilogram (mg/kg) was measured in a sample collected at 20 to 22 feet bgs, slightly exceeding the soil PCE Type 1 RRS of 0.5 mg/kg. Subsequently, in December 2012 a soil sample was collected by Airgas at this location from a depth of 21 feet bgs. As presented in Comment 2 of EPD's November 25, 2013 letter to Hillshire and Rathon (Appendix B), the PCE concentration measured in this sample was 0.023 mg/kg, which is below the Type 1 RRS for PCE. EPD confirmed in the above letter that the remedial requirements for soil in the sump area thus had been completed.

Delineation and compliance with RRSs for metals had previously been demonstrated. EPD confirmed in their May 23, 2005 letter that metals concentrations in soil at the Site were in compliance with RRSs and that no further action related to metals impact in soil was required.

Section 6

Groundwater Investigation

Groundwater monitoring wells were first installed at the Site in 1988, and in the course of investigative activities, 20 on-site and 14 off-site monitoring wells have been installed to delineate groundwater conditions at the Site. Historical groundwater sampling activities have previously been well documented in multiple reports submitted to the EPD and are summarized below. The work performed and results of the final groundwater compliance sampling event conducted in October 2015 are described below.

6.1 Historical Groundwater Sampling

On-site groundwater monitoring was conducted at least annually between 1996 and 2006, and semiannually since 2006. Historic sampling activities and results are well documented in the numerous reports previously submitted to the EPD, including most recently, the VRP progress reports submitted semiannually.

Groundwater samples initially were analyzed for VOCs, semivolatile organic compounds (SVOCs), and RCRA metals. Early sampling indicated that monitoring for SVOCs was not warranted. As discussed in the January 2010 report, sampling for metals (with the exception of manganese) was discontinued in April 2010 after sampling indicated that metals concentrations were well below the RRSs for several years. Higher levels of metals reported in certain samples initially may have been due to elevated turbidity. Samples from wells in the area where the ISCO injections were conducted (wells MW-4a/IW-4, MW-8, and MW-12) continued to be analyzed for manganese although it is not regulated under HSRA.

Historical groundwater sampling data are provided in Table 6-1.

6.2 Final Compliance Sampling

The final compliance sampling event was conducted October 26 through October 30, 2015. The work performed and the results are summarized below.

6.2.1 Work Performed

Field and evaluation activities are described below. Figure 6-1 provides a Site plan for reference.

6.2.1.1 Well Gauging

The depth to groundwater in 42 monitoring, delineation, and injection wells at and near the Site was measured to determine the potentiometric surface. The water levels in all wells were gauged on October 26, 2015, except for wells MW-B, MW-C, and MW-11, which were gauged the following morning (within 24 hours) as they were not accessible on October 26. The measurements were taken 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 uses at each of the wells.

6.2.1.2 Sample Collection

Groundwater samples were collected from 15 monitoring wells as shown in Table 6-2. The sampling program was submitted to the EPD for review prior to the sampling event, and was approved by the EPD via email on October 26, 2015 with two additions (wells MW-9a and MW-9b). The wells sampled included both on-site wells (MW-2, MW-4a, MW-4b, MW-6, MW-8, and MW-11) and off-site wells (MW-9a, MW-9b, MW-12, MW-20, MW-21, OW-72, OW-74A, SMW-1, and SMW-2). As in past events, wells MW-15 and MW-16 were dry.

The monitoring wells were purged prior to sample collection using the procedures for low flow/low stress and low flow/low volume (micro-purging) specified in the letters from the EPD dated April 17, 2007 and October 16, 2007 to minimize entrainment of solid particles, and were sampled in accordance with USEPA procedures (USEPA March 2013). A decontaminated stainless steel low-flow pump (Proactive Pumps, SS-Monsoon 12-Volt DC) and/or a bladder pump (QED Environmental Systems Sample Pro Portable Pump) were used to purge and sample all except six wells. Both pumps used are low flow, stainless steel, 2-inch submersible pumps. New Teflon-lined tubing was used at each well in both methods. Initially, an effort was made to use the portable bladder pump with a Teflon bladder; however, due to insufficient water in six monitoring wells, this pump only supplied water in spurts that resulted in agitation of the purged water. An alternate pump was then used (Solinist Model 408 Double Valve Pump); however, the same issues were encountered with this pump as were experienced with the portable bladder pump. Ultimately, a Teflon bailer with nylon rope was used to purge and sample the six monitoring wells with insufficient water columns.

In the low flow/low stress method, the pump intake was placed at the top of the water column and slowly lowered as the water column lowered during purging and sampling, until the pumping rate and recharge rate reached equilibrium. In the low flow/low volume method, the pump was placed midway in the screened interval during purging and sampling. Both methods were 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, including the depth to the pump intake in each well, is provided on the Groundwater Sampling Field Data Sheets provided in Appendix C.

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

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

- One equipment blank for each full day of sampling (two total)
- One trip blank for each day samples were submitted to the laboratory (one sample)
- Two duplicate samples (from monitoring wells MW-8 and MW-9a).

6.2.1.3 Sample Analysis

The samples were hand delivered to the Analytical Environmental Services, Inc. laboratory in Atlanta, Georgia for analysis. All monitoring well, equipment blank, duplicate, and trip blank samples were analyzed for VOCs according to USEPA Method 8260B. Copies of the completed chain-of-custody forms and laboratory reports are provided in Appendix E. A letter stipulating that this laboratory is approved per the Georgia Rules for Commercial Environmental Laboratories is provided in Appendix F.

6.2.1.4 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 (USEPA 2008) in order to answer questions such as:

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

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

6.2.2 Groundwater Sampling Results

The results of the final compliance sampling event, including the water level and chemical concentration data, are presented and discussed below.

6.2.2.1 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 6-3a and Table 6-3b, respectively. Ground surface and top of casing elevations are shown on Figure 6-2. Potentiometric maps of the shallow and bedrock aquifer groundwater surface as measured in October 2015 are presented on Figures 6-3 and 6-4, respectively.

Consistent with past events, the October 2015 water level data indicate that there is a groundwater divide located generally south of monitoring wells MW-9a and MW-9b. The divide results from the Site's location in a sharp bend or "elbow" in the Chattahoochee River as shown on Figure 1-1. The potentiometric surface in the shallow and upper bedrock aquifers generally slopes from southwest to northeast from the MW-9a/MW-9b area (Figures 6-3 and 6-4). This pattern has been observed consistently other than the three events when a water line break was known to have occurred in the public way along Olympic Industrial Court and two events where water levels were affected by the soil disturbance associated with the installation of the concrete valve vault adjacent to monitoring well MW-6.

South of the monitoring well MW-9a/9b area, the potentiometric surface slopes from northeast to southwest toward wells SMW-1 and SMW-2.

6.2.2.2 Chemical Concentration Data

Groundwater concentrations in the October 2015 final compliance sampling event were generally similar to or lower than in recent monitoring events. Thus, the projections from the previous groundwater modeling, discussed in Section 7, remain valid and compliance under the VRP will be demonstrated as planned and described in Section 8.

The analytical results for the groundwater samples collected in October 2015 are summarized in Table 6-4. As noted above, historical concentrations are presented in Table 6-1. The tables include the date each sample was collected, the reported concentration, the method detection limit where a specific constituent was not detected, the delineation standards (Table 6-4 only), and the applicable RRSs. Figures 6-5 and 6-6 illustrate all the recent detections, and Figures 6-7 and 6-8 show only the detections that exceed the VRP cleanup level.

The field data sheets from the groundwater sampling are provided in Appendix C and the current and historical purging data are tabulated in Appendix D. Copies of the analytical reports are provided in Appendix E. The laboratory stipulation letter is provided in Appendix F.

Observations regarding the October 2015 results are noted below.

- In the north parking lot area:
  - Levels of the parameter detected in highest concentration, cis-1,2-DCE, decreased significantly relative to concentrations in April 2015 (from 6,000 microgram per liter [µg/L] to 3,600 µg/L in samples from MW-4a, and from 4,600 µg/L to 1,100 µg/L in samples from MW-8).
  - No VOCs were detected in the sample from the vertical delineation well MW-4b.
- VOC concentrations in the sample from monitoring well MW-12, located slightly downgradient of the former sump, were below the VRP cleanup level.
- In the sample from monitoring well OW-72, further downgradient of the former sump, concentrations of cis-1,2-DCE, PCE and TCE exceeded the VRP cleanup levels; however, all VOCs are in compliance with the cleanup levels further downgradient in the sample from well OW-74A.
- PCE is delineated downgradient in OW-74A, and cis-1,2-DCE and TCE are delineated in MW-20.
- No VOCs were detected in the sample from the sidegradient well, MW-21.

Elsewhere on the Site:

- In the sample from monitoring well MW-11 in which VOC concentrations have fluctuated significantly in the past, all VOCs detected were below the VRP delineation and cleanup levels.
- On the Crimson property to the southwest, chlorobenzene concentrations in the samples from monitoring wells MW-9a and MW-9b exceeded the delineation level; however, these VOCs are fully delineated to the northeast by samples from monitoring wells MW-6 and MW-11, and to the southwest by the sample from well SMW-1.
- PCE concentrations in the sample from monitoring well SMW-1 exceed the delineation and cleanup levels; however, this detection is fully delineated to the northeast by the samples from monitoring wells MW-6 and MW-11, and to the southwest by the sample from well SMW-2.
- No chemicals were measured above a VRP delineation or cleanup level in the sample collected at the southwest end of the Site in SMW-2.

The quality assurance/quality control samples did not indicate any data quality issues. No chemicals were detected in the trip blank or two equipment blanks. The analytical results for the duplicate samples were similar to those in the parent sample.

6.3 Vapor Intrusion Evaluation

An evaluation of the potential for vapor intrusion into the Olympic facility building was conducted and presented in the December 2010 semiannual progress report. A Johnson & Ettinger (J&E) *V*apor Intrusion model was prepared for the Site and the estimated cancer risk and hazard risk associated with exposure to indoor air within the warehouse associated with subsurface vapor intrusion were modeled.

The modeled risks were compared to the USEPA carcinogenic risk and/or target noncarcinogenic hazard quotient from vapor intrusion to indoor air of 1E-06 and 1, respectively. All results were less than the USEPA target risks. Thus, vapor intrusion does not appear to be a potential risk at the Site.

Section 7

Measures to Demonstrate Compliance with VRP Cleanup Requirements

Previous soil and groundwater remediation combined with groundwater modeling and environmental covenants demonstrate compliance with VRP cleanup requirements.

Remediation activities (soil excavation in the north parking lot sump area and closure of the wastewater pit in 1998, and the ISCO injections in 2007 and 2008) were discussed in Section 2 and described in detail in reports previously submitted to the EPD. These activities have contributed to the decline in Site groundwater concentrations to the point that compliance with VRP requirements can be demonstrated with groundwater modeling and environmental land use covenants. These latter activities are discussed below.

7.1 Groundwater Modeling

Consistent with VRP requirements, groundwater fate and transport modeling was used to simulate future groundwater and COC flow from the Site over time. TCE and cis-1,2-DCE concentrations were simulated separately at the north end of the Site, and chlorobenzene was simulated at the south end of the Site. The modeling assessed future groundwater plume migration relative to a point of exposure (POE) located 1,000 feet downgradient of the leading edge of the plumes.

The results were submitted to the EPD in the June 2013 and June 2015 VRP Semiannual Progress Reports. EPD comments on the 2013 modeling were address in the June 2014 VRP Semiannual Progress Report, and EPD confirmed their acceptance of the 2015 modeling in their September 28, 2015 letter.

For convenience, the Groundwater Fate and Transport Modeling technical memoranda (dated June 25, 2013 and June 26, 2015) are provided in Appendix G. The work performed and results are summarized below.

7.1.1 Modeling Releases from the North Parking Lot

Modeling of groundwater from the north parking lot was conducted in 2013. A conservative approach was used in modeling migration of the COC plumes. TCE and cis-1,2-DCE migration was simulated as resulting from a source in the former sump area that continues for 20 years. The more likely condition will be (and has been) that source concentrations of TCE and 1,2-DCE will decline over time since Olympic operations ceased by 1988 and the sump area soil was excavated in 1998. However, a worse case model approach was used to provide a more conservative projection of plume migration.

The model was run for three continuous source scenarios: TCE at 60 µg/L; cis-1,2-DCE at 13,000 µg/L; and cis-1,2-DCE at 5,000 µg/L. Scenarios 1 and 2 reflect the highest TCE and cis-1,2-DCE concentrations, respectively, measured at the Site in the two monitoring events prior to the

modeling, and the third reflects a lower cis-1,2-DCE concentration (measured in October 2012) to test the response of the model to a change in the source concentration. The current (October 2015) maximum cis-1,2-DCE concentration (3,600 µg/L) is less than the lower value modeled (Scenario 3).

In Scenario 1, after 20 years of simulation the downgradient extent of the TCE plume was comparable to the then current (2013) Site conditions both in concentration and the location of the leading edge of the plume. This demonstrated that the plume will remain stable or contract both in mass and extent and will not reach the POE.

In Scenario 2, after 20 years of simulation of a continuous source of cis-1,2-DCE at 13,000 µg/L, the downgradient extent of the plume was approximately 150 feet downgradient of the 2013 plume extent. As the actual cis-1,2-DCE source is substantially lower in concentration and is expected to decline over time, the plume is not expected to migrate much beyond the 2013 extent prior to beginning to contract both in mass and extent, and thus will not reach the POE.

As expected, in Scenario 3 after 20 years of simulation the downgradient extent of the cis-1,2-DCE plume was comparable to 2013 Site conditions both in concentration and location of the leading edge of the plume, indicating that the current cis-1,2-DCE plume will remain stable or contract both in mass and extent and will not reach the POE.

In summary, even with the conservative assumption of a continuing source at higher than actual COC concentrations, the COC plumes will not reach either the POE or the point of demonstration (POD) at well MW-20.

7.1.2 Modeling at South End of the Site

A conservative approach was also used to model migration of the chlorobenzene plume in the vicinity of wells MW-9a and MW-9b. Chlorobenzene migration was simulated as resulting from a source at, or upgradient of this area that continues for 20 years. The more likely condition will be (and has been) that source concentrations of chlorobenzene will decline over time since industrial activities on the Crimson property have been limited in recent years. However, a worse case model approach of a continuing source was used to conduct a more conservative projection of plume migration.

The model scenario assumed a continuous chlorobenzene source of 250 µg/L near well MW-9b and beneath the Crimson building. Using an iterative process, a half-life of 365 days was selected to best represent the April 2015 chlorobenzene concentrations observed in samples from monitoring wells MW-9b, MW-6, and MW-11. The modeled chlorobenzene concentrations in samples from wells MW-9b, MW-6, and MW-11 were within approximately 10 percent of the April 2015 measured concentrations. The simulation was run forward in time for 20 years; however, the expansion of the plume reached a point of equilibrium at approximately 5 years. The simulated chlorobenzene plume, under equilibrium conditions and at a concentration exceeding the RRS of 136 µg/L, was estimated to extend approximately 125 feet downgradient of well MW-9b and thus would only extend a fraction of the way to the POE 1,000 feet away.

7.2 Environmental Covenants

The VRP allows Environmental Land Use Covenants (ELUCs) to be used to prevent access to groundwater where COCs exceed the RRSs. ELUCs prohibiting future use or extraction of groundwater, or comparable commitments, have been obtained from five owners of property around the Olympic site where groundwater concentrations currently exceed the numeric site cleanup levels.

These owners are listed below and the respective properties are shown on Figure 1-3:

- 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) – three parcels: 1) Olympic Industrial Drive north and northeast of the Site, 2) South Atlanta Road (on the north side of the Wesley property), and 3) Industrial Court, between the Site and the Crimson property. No tax ID no. is issued for these parcels.
- State Properties Commission (SPC) – property northeast of the Site on which an active CSX Transportation, Inc. (CSXT) rail line operates. No tax ID no. is issued for this state-owned property.
- Wesley Properties – property northeast of the Site across the rail line (tax ID no. 17096200070).
- Crimson – property southwest of the Site (tax ID no. 17096200140).

In two instances, noted below, a somewhat broader ELUC than initially signed has been requested of the property owner by EPD, and we expect same to be executed and submitted in due course. We believe the ELUCs already obtained are fully protective of known or expected contamination, in any event.

7.2.1 Airgas Refrigerants, Inc.

An ELUC was signed by all parties and submitted to the EPD on October 22, 2015. The EPD subsequently notified BC that a standard ELUC would be required rather than the streamlined groundwater covenant. A new covenant based on the model covenant was prepared and sent for EPD for review, and was approved with minor revisions on December 21, 2015. The revised draft ELUC (Appendix H) will be executed and finalized after this Final CSR is approved.

7.2.2 State Properties Commission

The rail line property east of the Site is owned by the state of Georgia through the SPC. In late 2014 and early 2015, Hillshire and Rathon communicated with the SPC to outline the VRP process and the ELUC requested; however, as the property is owned by the State, executing an ELUC is a complicated matter. As an alternative, on March 3, 2015 the SPC provided a letter to the EPD confirming that the State does not intend to utilize groundwater at this location and that potable water is available on the property via the Cobb County Water Department should it be necessary. A copy of this letter is provided in Appendix H. In their April 6, 2015 letter to Hillshire and Rathon, the EPD confirmed that this letter will suffice in lieu of an ELUC on this parcel.

7.2.3 Wesley Properties

The owner of the Wesley property executed an ELUC with Hillshire and Rathon on August 10, 2015. This document was submitted to the EPD for the Director's signature. EPD then requested that the ELUC be modified to apply to the entire parcel rather than only the affected area. Wesley was presented with a modified ELUC and discussions are ongoing.

7.2.4 Cobb County

On July 28, 2015, the Cobb County Manager's office provided a letter confirming that it does not intend to utilize groundwater on the three parcels it owns in around the subject site. That letter referenced the three parcels (Olympic Industrial Drive north and northeast of the Site, South Atlanta Road north of the Wesley property, and Olympic Industrial Court, between the Site and the Crimson property). The figure transmitted with the letter only identified the first two parcels, however. Thus,

the County provided a second letter dated February 22, 2016 conveying the figure identifying all three parcels. Both letters from Cobb County are provided in Appendix H.

7.2.5 Crimson Partners, LLC

The fully executed ELUC was filed and recorded by the Clerk of the Superior Court of Cobb County on September 8, 2015. A copy of the executed ELUC is provided in Appendix H.

Section 8

Summary and Conclusions

Based on current concentrations at the Olympic Site, Hillshire and Rathon are certifying to the Type 1 RRSs for soil and to Type 3 and 4 RRSs for groundwater.

The current status of the Site relative to VRP delineation and cleanup criteria, near-term steps toward meeting project goals are discussed below.

8.1 Soil

Delineation of COCs in soil has been achieved as illustrated in Figure 5-3 and detailed in Table 5-1. Soil concentrations are also in compliance with Type 1 RRSs.

8.2 Groundwater

8.2.1 Delineation

Horizontal delineation of Site COCs in groundwater has been achieved as discussed in Section 6. Downgradient delineation to the northeast and east-northeast is demonstrated by the absence of any detections in samples from monitoring wells MW-20 and MW-21, and delineation to the southwest is demonstrated by the absence of COCs in the sample from monitoring well SMW-1. Sidegradient delineation has been demonstrated by historical and current concentrations in samples from wells MW-5, MW-7, MW-10 to the west, and MW-6 and MW-11 to the east, among others.

Vertical delineation also has been achieved as no COCs were detected in samples from the vertical delineation well, MW-4b.

8.2.2 Compliance Relative to RRS

The status of the Site groundwater relative to the numeric VRP cleanup levels (Table 3-2) is presented in Table 6-4, and Figures 6-7 and 6-8 illustrate where the VOC cleanup levels are met (everywhere except where noted). The status is summarized below.

To the Northeast. Concentrations in samples from the downgradient monitoring wells OW-74A, MW-20, and MW-21 are in compliance with the Site VRP cleanup levels (Type 3 and 4 RRSs). Concentrations in the sample from 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. Concentrations in samples from the wells in and downgradient of the former source area (wells MW-4a, MW-8, and OW-72) currently exceed the VRP cleanup levels for cis-1,2-DCE, PCE and/or TCE. The groundwater modeling discussed in Section 7 has demonstrated that the plume will remain stable or contract both in mass and extent, and will not reach either the designated POE or the POD. An ELUC or a written commitment to not install groundwater wells have been obtained or are in the process of being updated from the subject and downgradient property owners where the plume exceeds the numeric RRS (Airgas, the SPC, Wesley, and Cobb County).

To the East. Concentrations in samples from the wells along the east side of the Site (MW-2 and MW-11) are below the VRP cleanup levels.

To the Southwest. Concentrations in the sample from monitoring well MW-6, at the south end of the Olympic property, are in compliance with the Site cleanup levels.

Where concentrations in samples from monitoring wells on the Crimson property do not meet the numeric groundwater cleanup levels, groundwater modeling and ELUCs demonstrate compliance with the VRP cleanup requirements. Groundwater modeling of chlorobenzene on the Crimson property, which was accepted in EPD's September 28, 2015 letter, indicated that the plume would reach a point of equilibrium in approximately 5 years and contract thereafter such that at its maximum, the plume would only extend a fraction of the way to the POE. The ELUC with the owner of the property where wells MW-9a, MW-9b, and SMW-1 are located (Crimson) has been fully executed and Cobb County has provided a letter in lieu of the ELUC as approved by EPD.

Concentrations in the samples from the most downgradient monitoring well, SMW-2, are in compliance with the Site cleanup levels.

To the West and North. 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.

8.3 Future Actions

The only tasks remaining to delist the Site are execution of the Airgas and Wesley amended ELUCs and approval of this Final CSR. Once the Site has been delisted the following tasks will be completed.

8.3.1 Monitoring Well Abandonment

Upon EPD approval of this CSR, BC will abandon all of the monitoring wells associated with the Site except for the wells installed by Hillshire and Rathon to be used for annual monitoring (MW-9a, MW-9b, MW-20, and OW-74a). The wells will be abandoned according to procedures set forth in EPA Region 4's *Design and Installation of Monitoring Wells* (Quality System and Technical Procedures document (USEPA January 2013). Planned well abandonment procedures are outlined below.

The wells will be abandoned by pressure grouting the schedule 40 polyvinyl chloride (PVC) well screens and casings from the bottom to land surface so that the grout will migrate through the screen and grout the sand pack. The wells will not be over-drilled because all the wells were properly constructed at the time of installation with the annular spaces grouted to prevent vertical migration of groundwater around the wells. In wells located in unpaved areas, the well casing/grout and surrounding concrete pads will be removed to a depth of one to two feet below land surface prior to grouting, a concrete patch will be placed over the abandoned well, and the borehole will be filled with soil to grade. Wells completed in paved areas will be grouted flush to land surface, including the area inside the well vaults.

8.3.2 Annual Sampling

Consistent with EPD's September 28, 2015 letter, subsequent to delisting groundwater monitoring will be conducted annually to verify the projections of the groundwater contaminant fate and transport modeling presented in the June 2013 and June 2015 VRP semiannual reports. Monitoring wells MW-9a, MW-9b, MW-20 and OW-74a will be sampled annually for a minimum of 5 years. Water levels in the wells will be gauged prior to sampling, and samples will be collected in accordance with USEPA protocols.

8.3.3 Annual Reporting

The results of the annual groundwater monitoring will be provided to the EPD within 60 days of sample collection.

Additionally, Hillshire and Rathon will report to EPD annually on the status of the ELUCs on the Airgas, Wesley, and Crimson properties, and on the alternative use restrictions for the SPC railroad property and Cobb County rights-of-way properties. The annual report will state whether or not the groundwater limitation in the covenants is being abided by, and whether or not potable wells have been installed on any of these properties.

Section 9

Public Participation

The following public notice will be submitted to *Marietta Daily Journal* within 7 days of submitting this CSR to the EPD:

PUBLIC NOTICE

Former Olympic Manufacturing/Diversey Site HSI Site #10435
3051 Olympic Industrial Drive
Smyrna, Georgia 30080

The Georgia Environmental Protection Division, Department of Natural Resources, State of Georgia (EPD) has placed this site on the Hazardous Site Inventory pursuant to its authority under the Hazardous Site Response Act and Rules promulgated thereunder. As required by the Rules for Hazardous Site Response, the responsible party for this site was required to investigate the site and submit a compliance status report to EPD summarizing the results of that investigation. EPD is currently reviewing the compliance status report to determine if corrective action is needed for regulated substances that have been released at this site. Before EPD decides whether corrective action is needed, the public has the opportunity to review the compliance status report and provide comments to EPD about the report.

The 30-day public comment period begins on the date that the notice is published. Oral and written comments can be submitted to:

Mr. David Brownlee
Georgia Department of Natural Resources
Response and Remediation Program
Floyd Tower East, Suite 1054
2 Martin Luther King, Jr. Drive, S.E.
Atlanta, Georgia 30334-9000
(404) 657-8600

The designated contact person for the site is:

Mr. Kirby McCalister
Tyson Foods, Inc. EHS Services Department
Mail Code AR07689
2200 Don Tyson Parkway
Springdale, Arkansas 72762
(479) 290-7272

The Compliance Status Report can be reviewed and copied at the Smyrna Branch of the Cobb County Public Library located at 266 Roswell Street, SE in Marietta, Georgia during normal business hours.

Section 10

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 10-1 summarizes the hours charged and the services BC provided between June 19, 2015 and February 25, 2016.

Section 11

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.

Section 12

References

Brown and Caldwell. *Semiannual Reports, Former Olympic Manufacturing/Diversey Site*. Multiple Reports from July 2007 to June 2014.

Brown and Caldwell. *Flow and Transport Model Development and Evaluation, Former Olympic Manufacturing Site*. June 2013.

Brown and Caldwell. *Compliance Status Report Addendum/Corrective Action Plan, Former Olympic Manufacturing Site.* October 2006.

Brown and Caldwell. *Addendum No. 4, Compliance Status Report, Former Olympic Manufacturing Site.* October 2006.

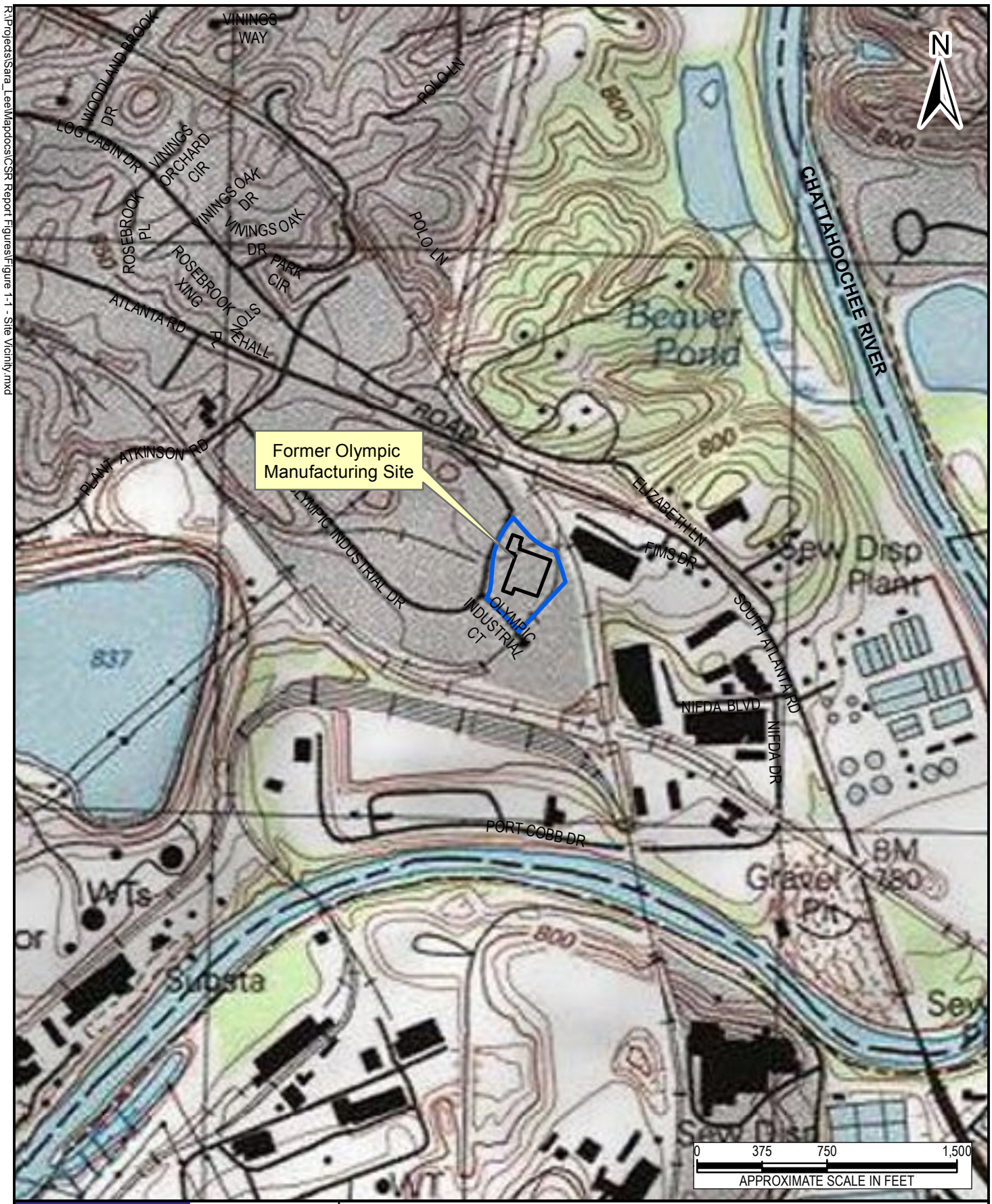
Cobb County, Georgia. *Official Code of Cobb County.* Section 122-221(d)(1)). 2016.

LeGrand, Harry E. *A Master Conceptual Model for Hydrogeological Site Characterization in the Piedmont and Mountain Region of North Carolina*. North Carolina Department of Environment and Natural Resources, Division of Water Quality, Groundwater Section. 2004.

U.S. Environmental Protection Agency Region 4 Science and Ecosystem Support Division. *Groundwater Sampling Operating Procedure.* SESDPROC-301-R3. March 6, 2013.

U.S. Environmental Protection Agency Region 4 Science and Ecosystem Support Division. *Design and Installation of Monitoring Wells.* Quality System and Technical Procedures document SESDGUID-101-R1. January 29, 2013.

U.S. Environmental Protection Agency. *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.



Brown AND Caldwell

PREPARED FOR:	Former Olympic Manufacturing Site
DATE:	02/23/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	PCR
PROJECT #:	145686

Figure 1-1
Site Vicinity

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

R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 1-2 - Location of Site Relative to the Chattahoochee River.mxd



LEGEND

17096200150 Cobb County Tax Parcel Identification Number (PIN)

Cobb County Tax Parcel Boundaries

Figure 1-2

Location of Site Relative to the Chattahoochee River

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/24/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	PCR
PROJECT #:	145686

R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 1-3 - Site Monitoring Wells and Neighboring Properties.mxd



LEGEND

- Monitoring Well
- 17096200150 Cobb County Tax Parcel Identification Number (PIN)
- Cobb County Tax Parcel Boundaries

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

SAVED DATE:	02/24/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	PCR
PROJECT #:	145686

Brown AND Caldwell

Figure 1-3

Site Monitoring Wells and Neighboring Properties

CSX
RAILROAD
RIGHT OF WAY

17096200070

17096200110

17096200130

17096200150

UST/AST AREA
(MOSTLY ASTS, ONLY 1 UST)

DRUM RECONDITIONING SHED

CONCRETE WALL

MW-11

MW-2

MW-A

MW-C

MW-B

WASTEWATER PIT

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

MW-12

MW-D

MW-6

MW-9a

MW-9b

RAILROAD

MW-4b

MW-8

MW-4a

SUMP

TRUCK WASH
PIPING MANIFOLD

TRUCK WASHING
DEMONSTRATION
AREA

DRUM STORAGE
YARD

EXISTING ONE STORY WAREHOUSE

DIP TANK

EQUIPMENT
STORAGE

MW-1R

OLYMPIC INDUSTRIAL COURT

MW-3R

MW-19

17096200140

MW-5

MW-10

MW-13b

MW-13aR

ASPHALT
DRIVEWAY

LANDSCAPE AREA

ASPHALT

MW-15

MW-18

17096200220

SIDEWALK

17089900050

17096100070

MW-7R

CONCRETE
APRON

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

OLYMPIC INDUSTRIAL DRIVE

MW-16

COBB COUNTY
DEPARTMENT OF
TRANSPORTATION

MW-14

MW-14b

MW-17

17096100090

SCALE IN FEET

0 30 60 120

Feb 22, 2016 - 3:16pm KAClarke
R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 1-4 - 022016.dwg

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

SAVED DATE:	02/22/2016
SCALE:	AS SHOWN
DRAWN BY:	KC
CHECKED BY:	PCR
PROJECT #:	145686

Brown AND Caldwell

LEGEND

PROPERTY LINE

CHAIN LINK FENCE

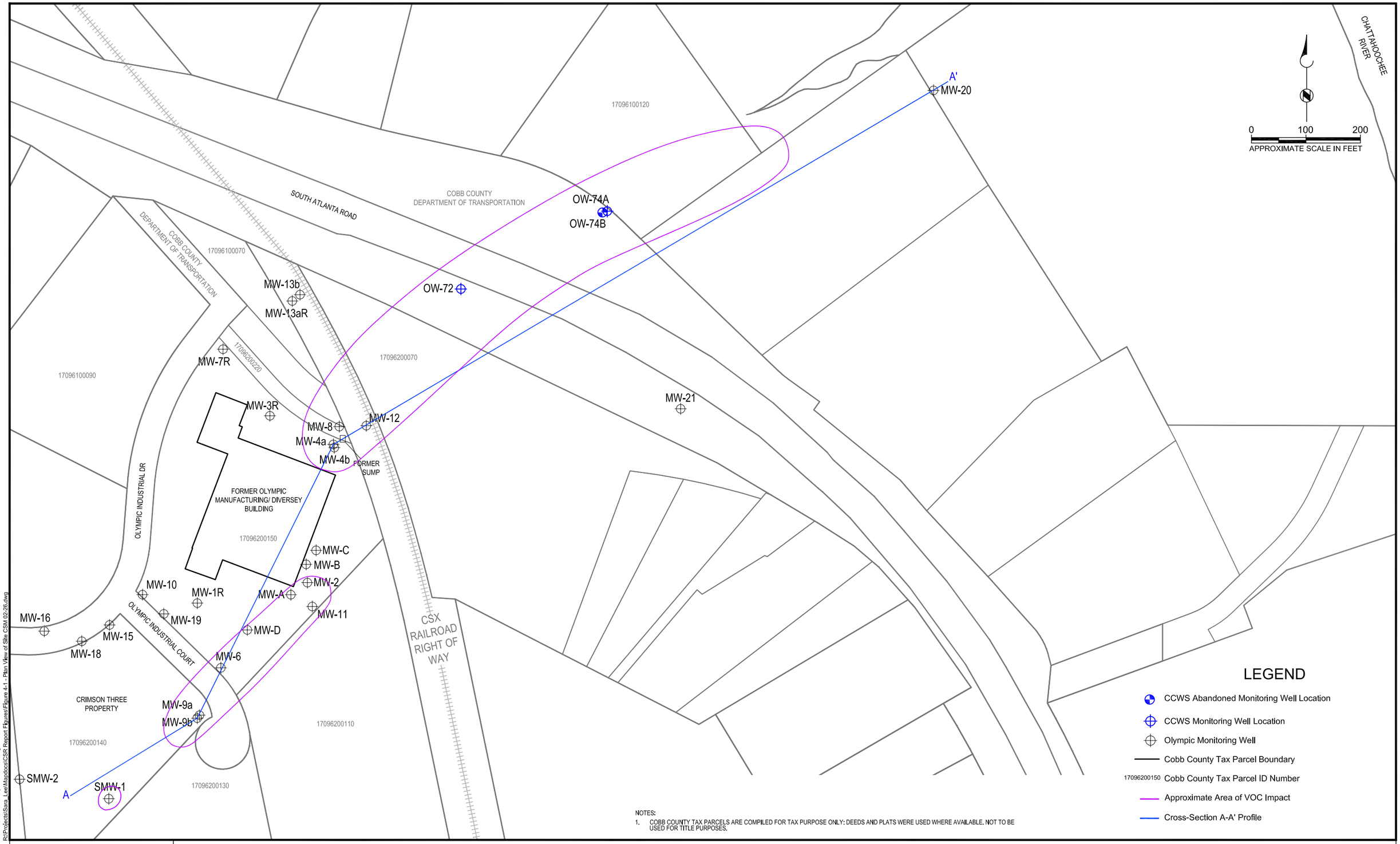
EXISTING MONITORING WELL
(NOT PRESENT DURING OLYMPIC OPERATIONS)

SUMP

STRUCTURES PRESENT DURING
FORMER OLYMPIC OPERATIONS

Figure 1-4

Site Features During Former Olympic Operations



NOTES:

1. COBB COUNTY TAX PARCELS ARE COMPILED FOR TAX PURPOSE ONLY: DEEDS AND PLATS WERE USED WHERE AVAILABLE. NOT TO BE USED FOR TITLE PURPOSES.

Feb 26, 2016 - 5:06pm ADeSantiago
R:\Projects\Sara_Lee\Mapdocs\CSX Report Figures\Figure 4-1 - Plan View of Site CSM 02-26.dwg

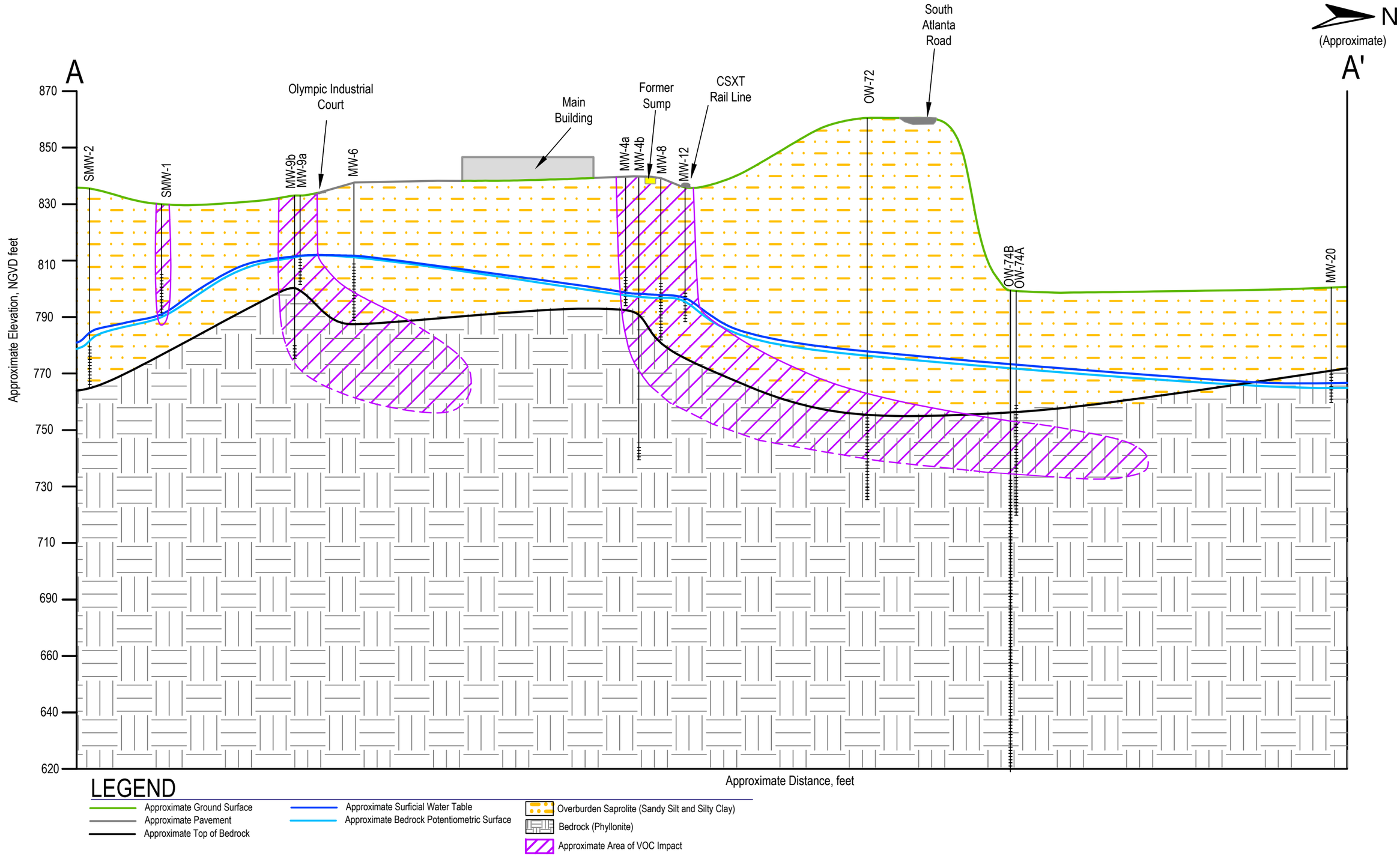
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive; Smyrna, Georgia

SAVED DATE:	02/25/2016
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	PCR
PROJECT #:	145686

Brown AND Caldwell

Figure 4-1

Plan View of Site CSM



DOC001.tif
Pages from DOC001.tif

Feb 26, 2016 - 4:43pm BSteele
R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 4-2 - Cross-section View of Site CSM 02-26.dwg

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

SAVED DATE:	02/26/2016
SCALE:	NOT TO SCALE
DRAWN BY:	BAS
CHECKED BY:	TCR
PROJECT #:	145686

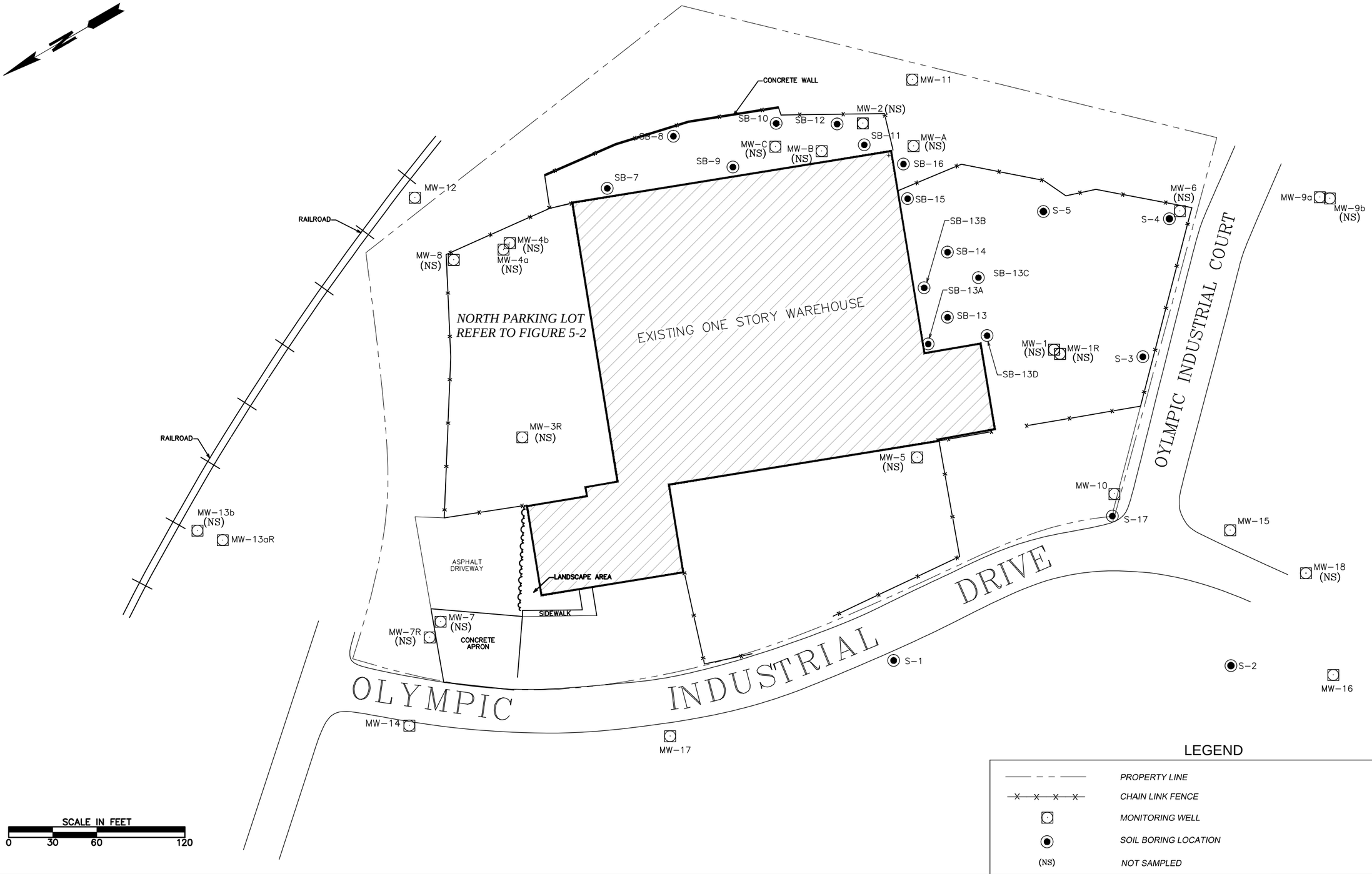
Brown AND Caldwell

Scale is approximate

PREPARED FOR:
Hillshire Brands Company
Rathon Corp

Figure 4-2

Cross-section View of Site CSM



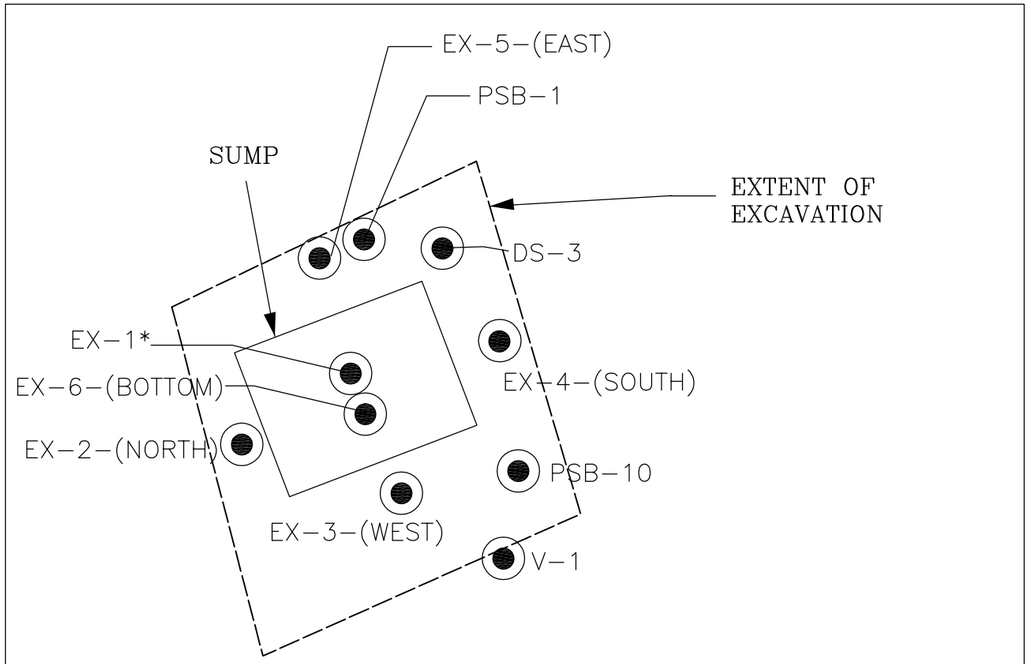
Feb 23, 2016 - 12:00pm BSteele
R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 5-1 - Soil Sample Locations in East and South Areas.dwg

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

SAVED DATE:	02/22/2016
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	PCR
PROJECT #:	145686

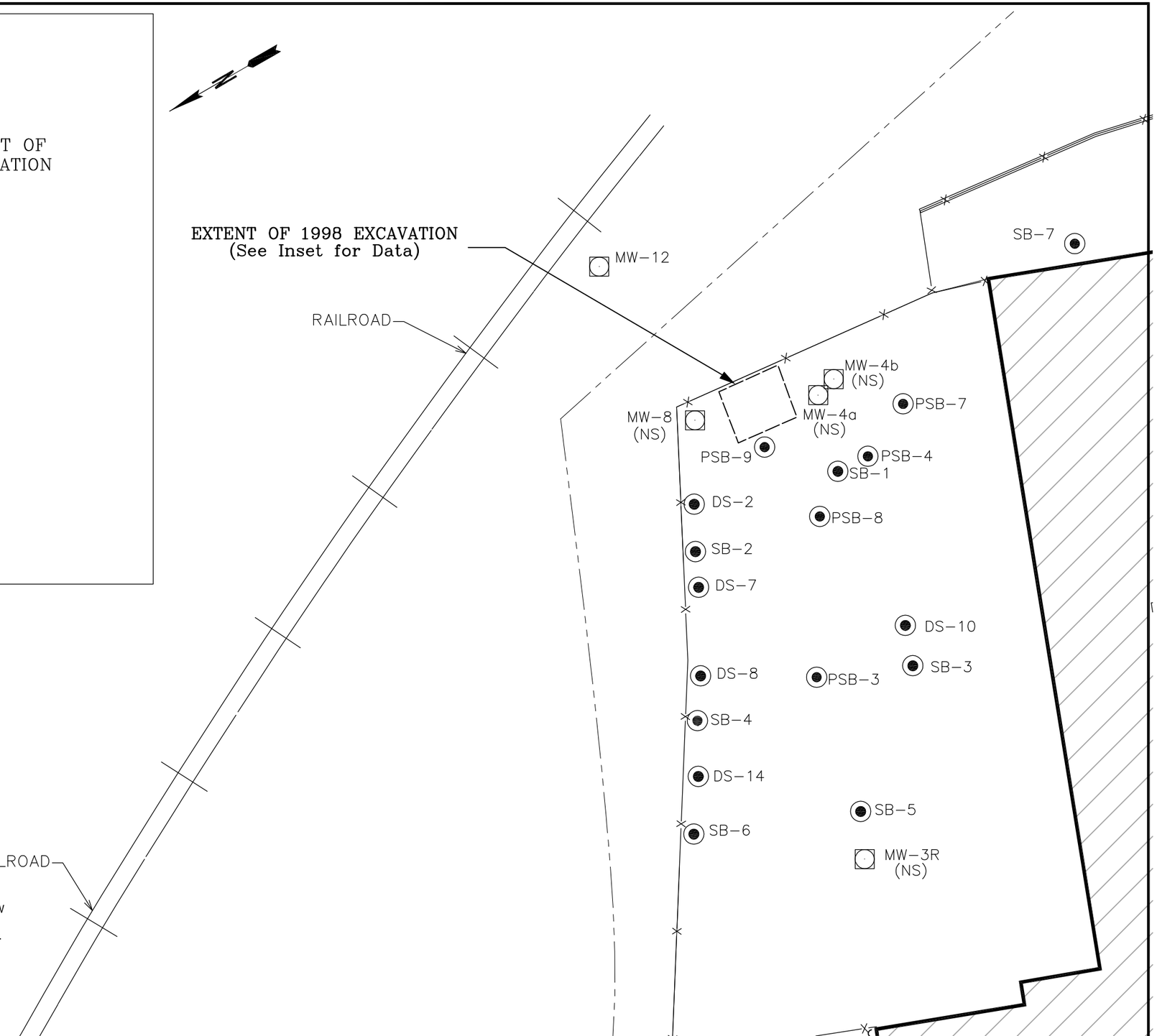
Figure 5-1

Soil Sample Locations in East and South Areas



FORMER SUMP AND EXTENT OF 1998 EXCAVATION

1" = 10'



NOTES:
* EX-1 AND DS-3(8-9') WERE LOCATED IN SOIL THAT WAS EXCAVATED IN 1998.
1) DS-1, 4, 5, 6, 9,11,12,13,14 AND 16 ARE NOT PLOTTED BUT VOC CONCENTRATIONS WERE EITHER BELOW DETECTION LIMITS OR AT VERY LOW CONCENTRATIONS IN 1988.
2) SOIL SAMPLES COLLECTED IN VICINITY OF Ex-6 AS FOLLOWS: Ex-6 (1998), Ex-6A(2008) AND Ex-6B (2010).

0 30 60

SCALE IN FEET

LEGEND

PROPERTY LINE	MONITORING WELL
CHAIN LINK FENCE	HISTORICAL SOIL BORING
EXTENT OF SUMP EXCAVATION (1998)	NS = Soil samples were not collected

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

Brown AND Caldwell

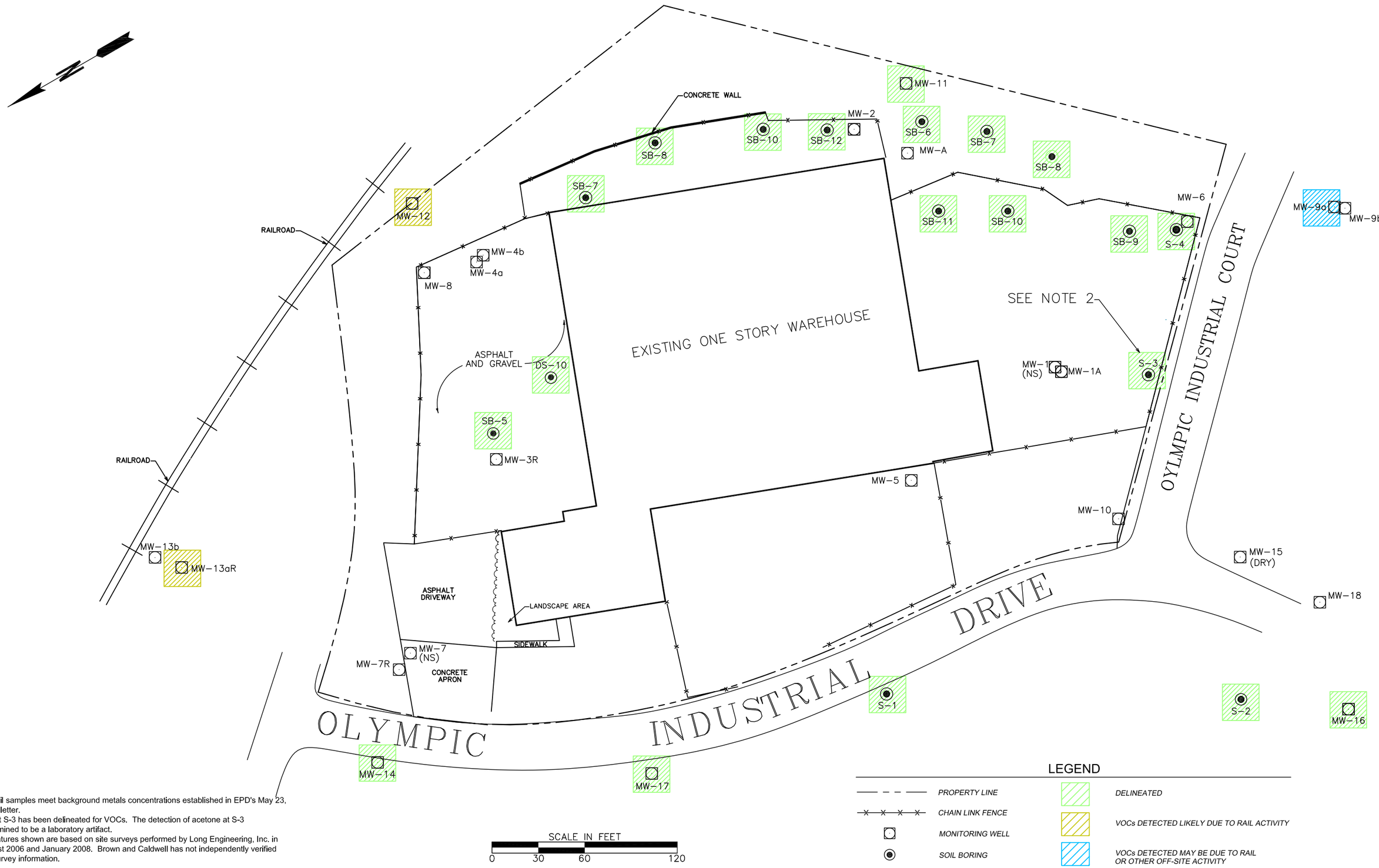
SAVED DATE:	02/22/2016
SCALE:	AS SHOWN
DRAWN BY:	KC
CHECKED BY:	PCR
PROJECT #:	145686

Figure 5-2

Soil Sample Locations in North Parking Lot

Feb 29, 2016 - 10:05am KAClarke
R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 5-2 - Soil Sample Locations in North Parking Lot.dwg

Feb 26, 2016 - 3:19pm ADeSantiago



NOTES:
1. All soil samples meet background metals concentrations established in EPD's May 23, 2005 letter.
2. Soil at S-3 has been delineated for VOCs. The detection of acetone at S-3 determined to be a laboratory artifact.
3. 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.

SCALE IN FEET
0 30 60 120

LEGEND

- PROPERTY LINE
- CHAIN LINK FENCE
- MONITORING WELL
- SOIL BORING
- DELINEATED
- VOCs DETECTED LIKELY DUE TO RAIL ACTIVITY
- VOCs DETECTED MAY BE DUE TO RAIL OR OTHER OFF-SITE ACTIVITY

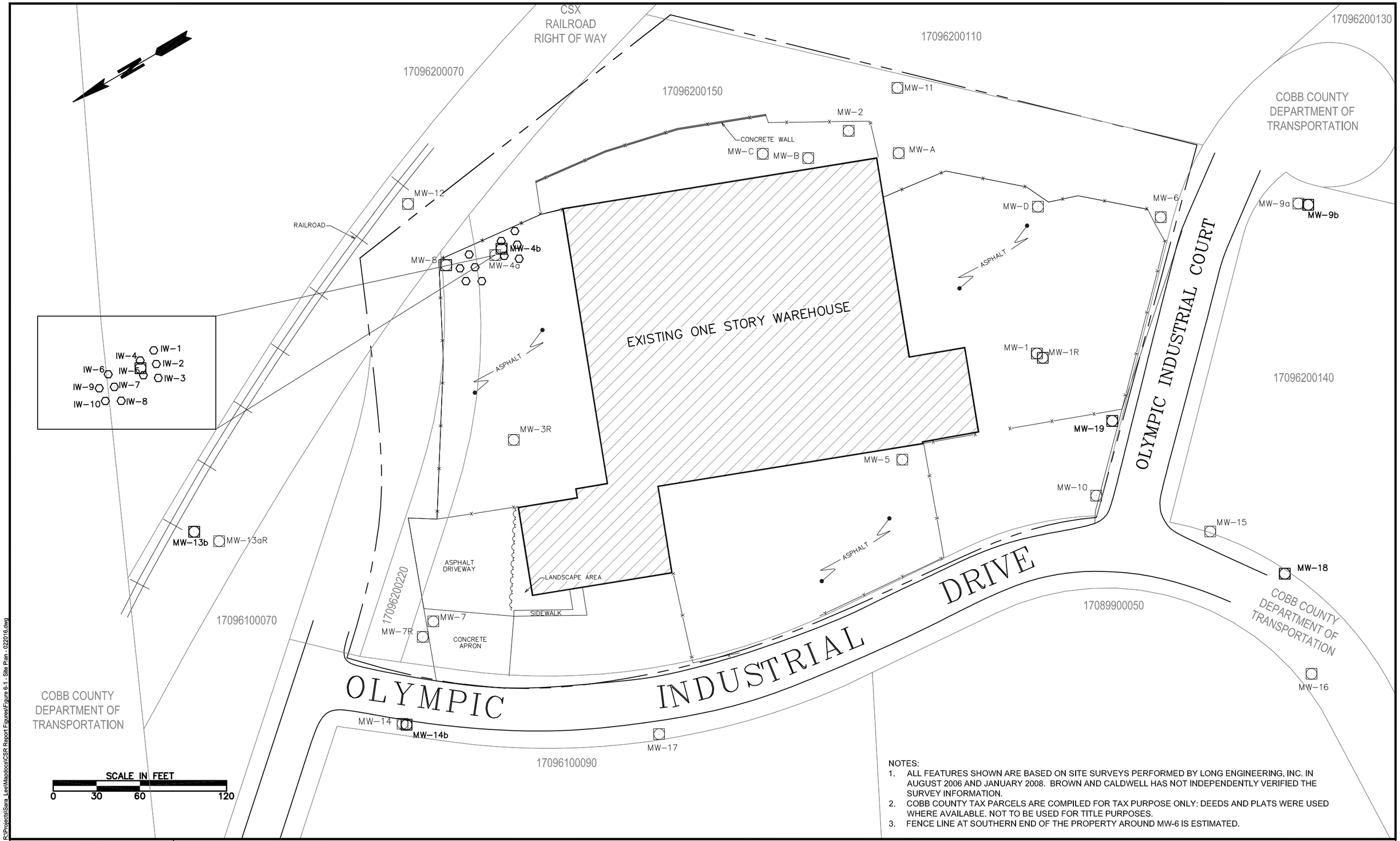
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive; Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/22/2016
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	PCR
PROJECT #:	145686

Figure 5-3
Soil Delineation Status

R:\Projects\Sara Lee\Mapdocs\CSR Report Figures\Figure 5-3 - Soil Delineation Status 02-26.dwg



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.

LEGEND

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

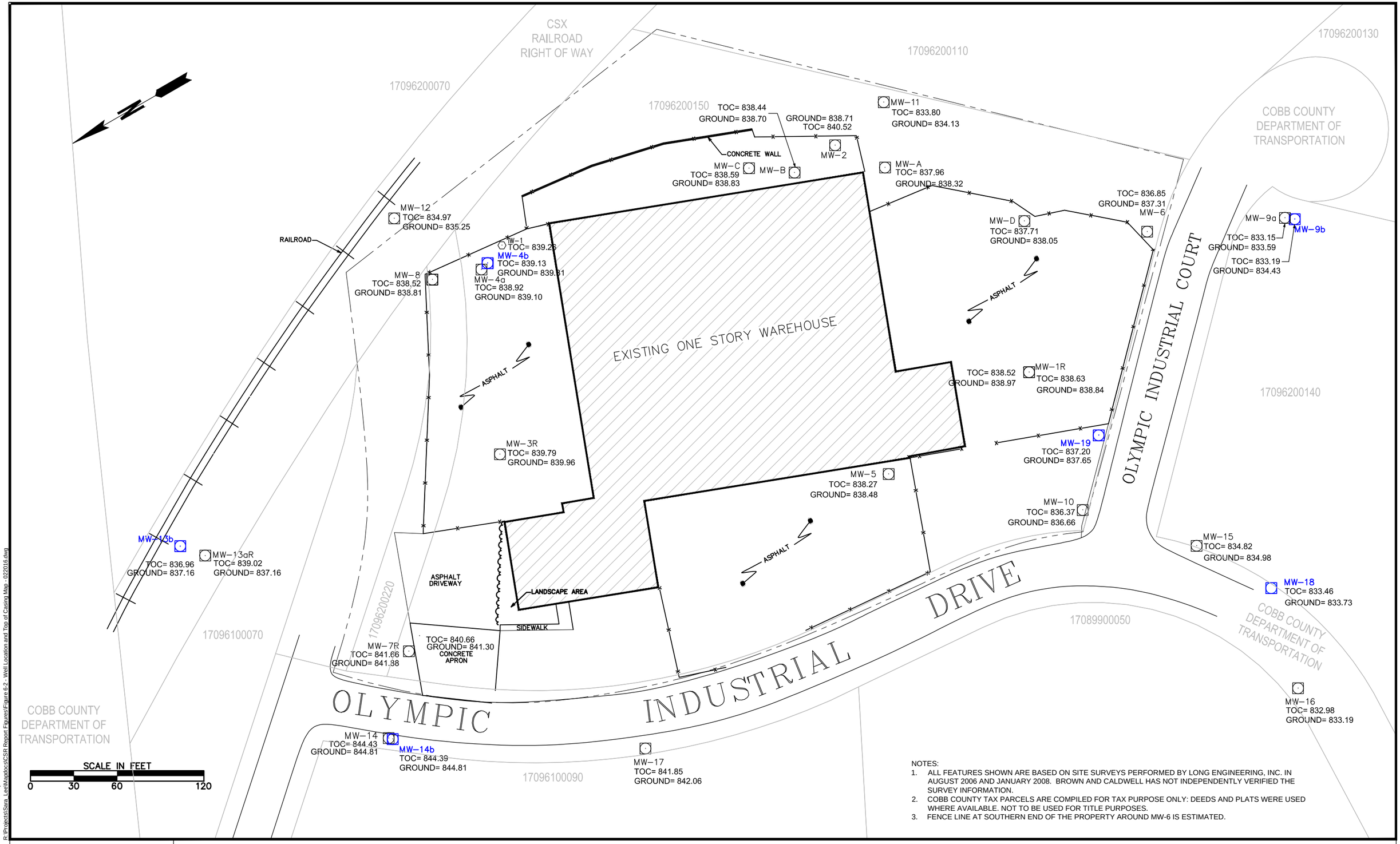
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive; Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/17/2016
SCALE:	AS SHOWN
DRAWN BY:	KC
CHECKED BY:	PCR
PROJECT #:	145686

Figure 6-1
Site Plan

Feb 22, 2016 - 10:54am KAClarke
R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-1 - Site Plan - 022016.dwg



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.

LEGEND

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

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

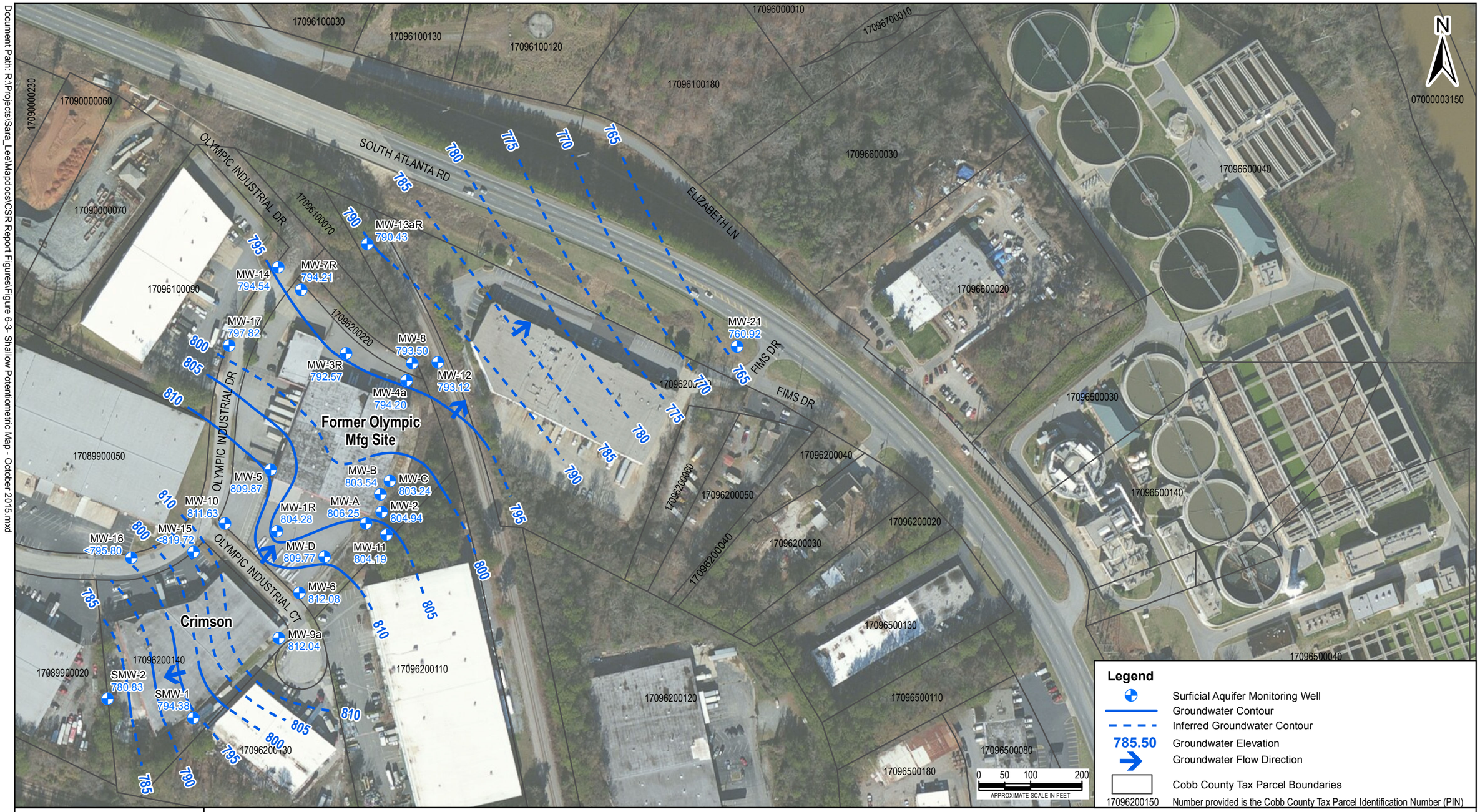
SAVED DATE:	02/17/2016
SCALE:	AS SHOWN
DRAWN BY:	KC
CHECKED BY:	PCR
PROJECT #:	145686

Figure 6-2

Well Location and Top of Casing Elevation Map

Figures 2-3 and 2-4 Valve Vault Photos.jpg
Feb 23, 2016 - 12:04pm BSteele
R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-2 - Well Location and Top of Casing Map - 022016.dwg

Document Path: R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-3- Shallow Potentiometric Map - October 2015.mxd



Legend

- Surficial Aquifer Monitoring Well
- Groundwater Contour
- Inferred Groundwater Contour
- 785.50 Groundwater Elevation
- Groundwater Flow Direction
- Cobb County Tax Parcel Boundaries
- 17096200150 Number provided is the Cobb County Tax Parcel Identification Number (PIN)

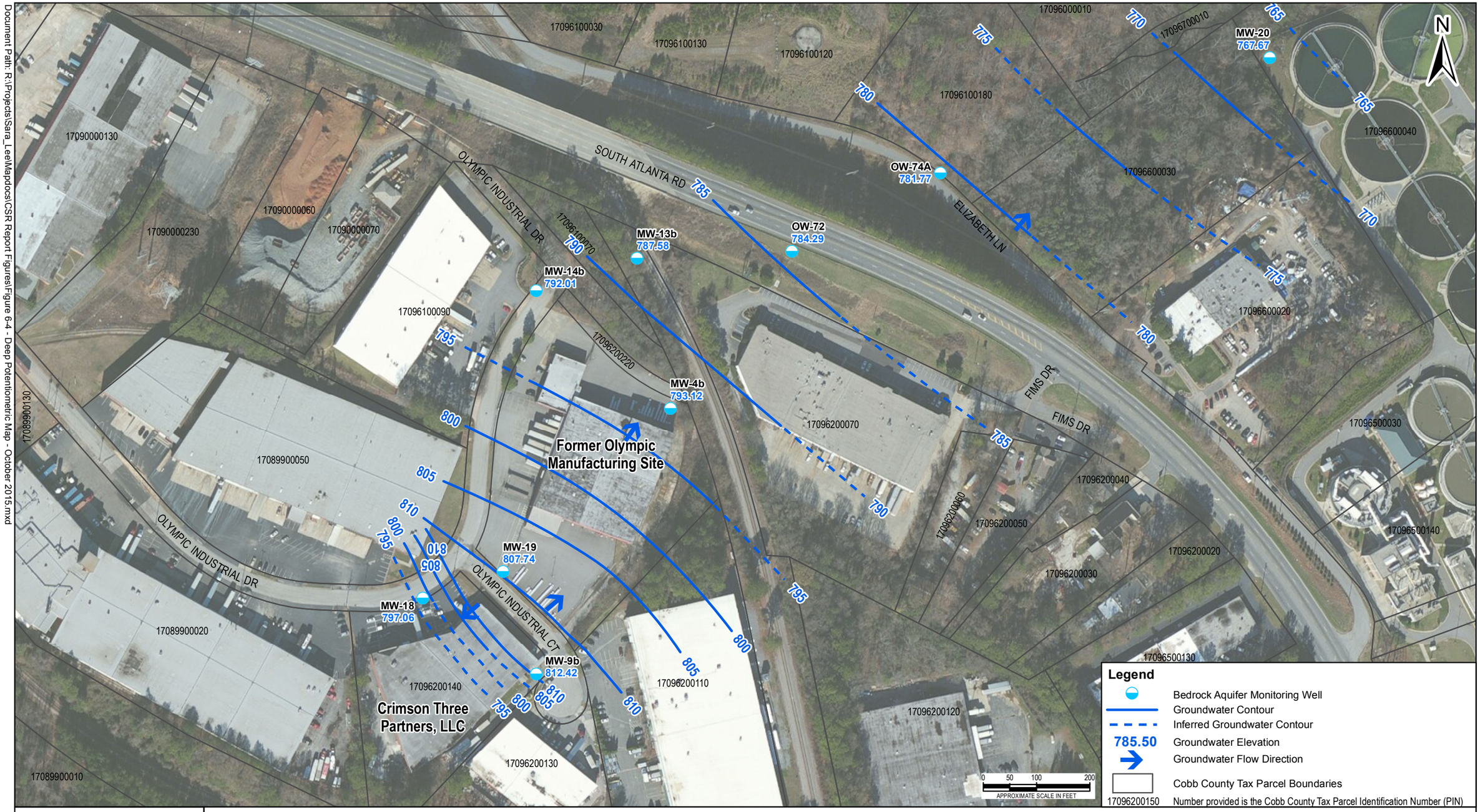
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/23/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	TCR
PROJECT #:	145686

Figure 6-3
Shallow Aquifer Potentiometric Map
October 26, 2015

Document Path: R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-4 - Deep Potentiometric Map - October 2015.mxd



Legend

- Bedrock Aquifer Monitoring Well
- Groundwater Contour
- Inferred Groundwater Contour
- 785.50 Groundwater Elevation
- Groundwater Flow Direction
- Cobb County Tax Parcel Boundaries
- 17096200150 Number provided is the Cobb County Tax Parcel Identification Number (PIN)

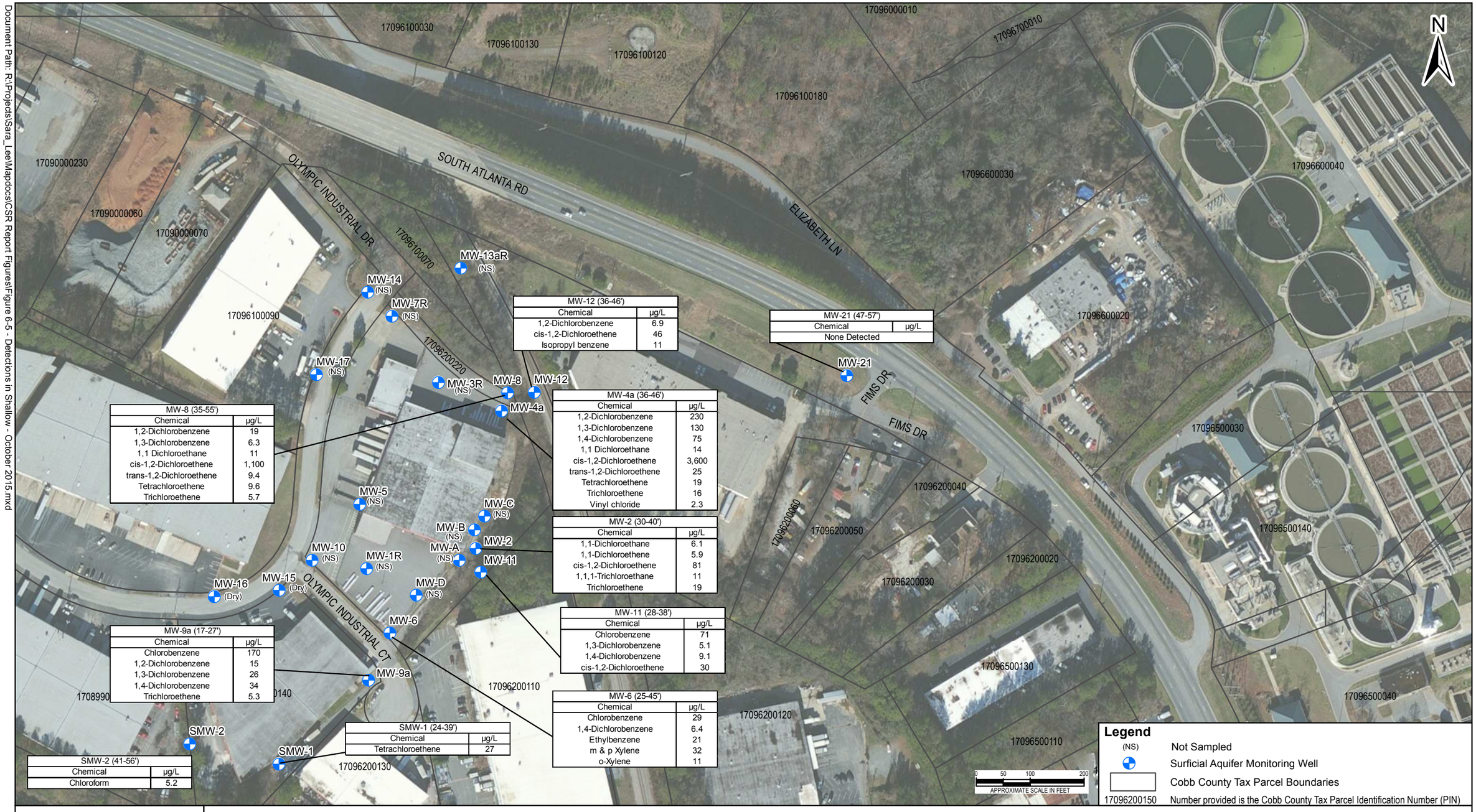
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

SAVED DATE:	02/23/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	TCR
PROJECT #:	145686

Brown AND Caldwell

Figure 6-4
Bedrock Aquifer Potentiometric Map
October 26, 2015

Document Path: R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-5 - Detections in Shallow - October 2015.mxd



MW-8 (35-55')	
Chemical	µg/L
1,2-Dichlorobenzene	19
1,3-Dichlorobenzene	6.3
1,1 Dichloroethane	11
cis-1,2-Dichloroethene	1,100
trans-1,2-Dichloroethene	9.4
Tetrachloroethene	9.6
Trichloroethene	5.7

MW-12 (36-46')	
Chemical	µg/L
1,2-Dichlorobenzene	6.9
cis-1,2-Dichloroethene	46
Isopropyl benzene	11

MW-4a (36-46')	
Chemical	µg/L
1,2-Dichlorobenzene	230
1,3-Dichlorobenzene	130
1,4-Dichlorobenzene	75
1,1 Dichloroethane	14
cis-1,2-Dichloroethene	3,600
trans-1,2-Dichloroethene	25
Tetrachloroethene	19
Trichloroethene	16
Vinyl chloride	2.3

MW-21 (47-57')	
Chemical	µg/L
None Detected	

MW-2 (30-40')	
Chemical	µg/L
1,1-Dichloroethane	6.1
1,1-Dichloroethene	5.9
cis-1,2-Dichloroethene	81
1,1,1-Trichloroethane	11
Trichloroethene	19

MW-11 (28-38')	
Chemical	µg/L
Chlorobenzene	71
1,3-Dichlorobenzene	5.1
1,4-Dichlorobenzene	9.1
cis-1,2-Dichloroethene	30

MW-9a (17-27')	
Chemical	µg/L
Chlorobenzene	170
1,2-Dichlorobenzene	15
1,3-Dichlorobenzene	26
1,4-Dichlorobenzene	34
Trichloroethene	5.3

MW-6 (25-45')	
Chemical	µg/L
Chlorobenzene	29
1,4-Dichlorobenzene	6.4
Ethylbenzene	21
m & p Xylene	32
o-Xylene	11

SMW-1 (24-39')	
Chemical	µg/L
Tetrachloroethene	27

SMW-2 (41-56')	
Chemical	µg/L
Chloroform	5.2

Legend

(NS) Not Sampled

Surficial Aquifer Monitoring Well

Cobb County Tax Parcel Boundaries

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

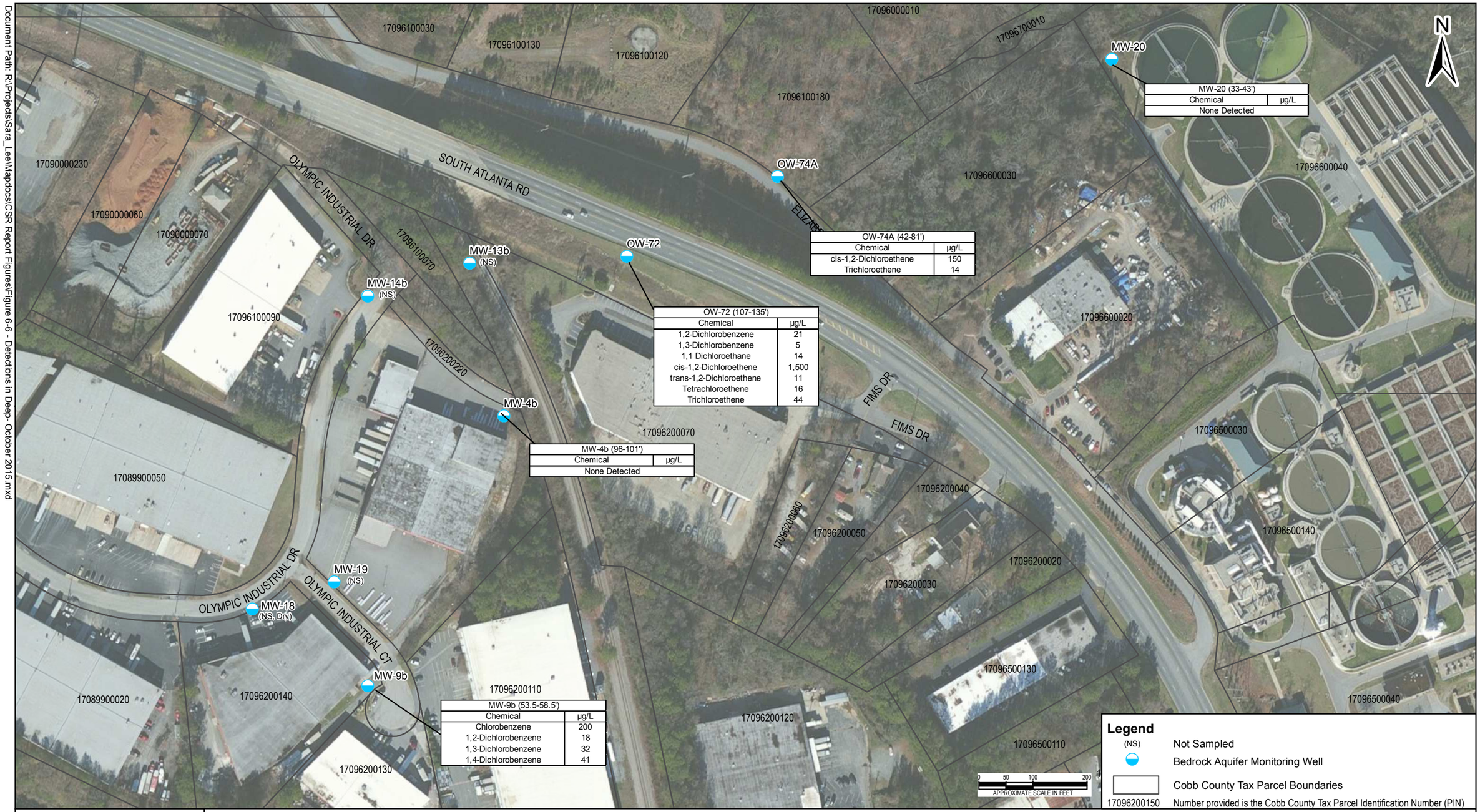
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/23/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	TCR
PROJECT #:	145686

Figure 6-5
Groundwater Detections for Final Compliance Sampling Event
Shallow Aquifer, October 2015

Document Path: R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-6 - Detections in Deep- October 2015.mxd



Legend

(NS) Not Sampled

Bedrock Aquifer Monitoring Well

Cobb County Tax Parcel Boundaries

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

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/29/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	TCR
PROJECT #:	145686

Figure 6-6
Groundwater Detections for Final Compliance Sampling Event
Bedrock Aquifer, October 2015

Document Path: R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-7 - Detections above cleanup shallow - October 2015.mxd

N

SOUTH ATLANTA RD

OLYMPIC INDUSTRIAL DR

OLYMPIC INDUSTRIAL CT

ELIZABETH LN

FIMS DR

FIMS DR

17096100030
17096100130
17096100120
17096000010
17096700010
17096100180
17090000230
17090000060
17090000070
17096100070
17096100090
17096600030
17096600040
17096600020
17096200220
17096200070
17096500030
17096200040
17096200060
17096200050
17096500140
17096200020
17096200030
17096500130
17096500040
17089900020
17096200140
17096200110
17096200120
17096500110

MW-13aR (NS)
MW-14
MW-7R (NS)
MW-17 (NS)
MW-3R (NS)
MW-8
MW-12
MW-4a
MW-21
MW-5 (NS)
MW-C (NS)
MW-B (NS)
MW-2
MW-A (NS)
MW-11
MW-10 (NS)
MW-1R (NS)
MW-16 (Dry)
MW-15 (Dry)
MW-D (NS)
MW-6
MW-9a
SMW-2
SMW-1

MW-8 (35-55')	
Chemical	µg/L
cis-1,2-Dichloroethene	1,100
Tetrachloroethene	9.6

MW-4a (36-46')	
Chemical	µg/L
cis-1,2-Dichloroethene	3,600
Tetrachloroethene	19

MW-9a (17-27')	
Chemical	µg/L
Chlorobenzene	170

SMW-1 (24-39')	
Chemical	µg/L
Tetrachloroethene	27

0 50 100 200
APPROXIMATE SCALE IN FEET

Legend

(NS) Not Sampled

Surficial Aquifer Monitoring Well

Cobb County Tax Parcel Boundaries

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

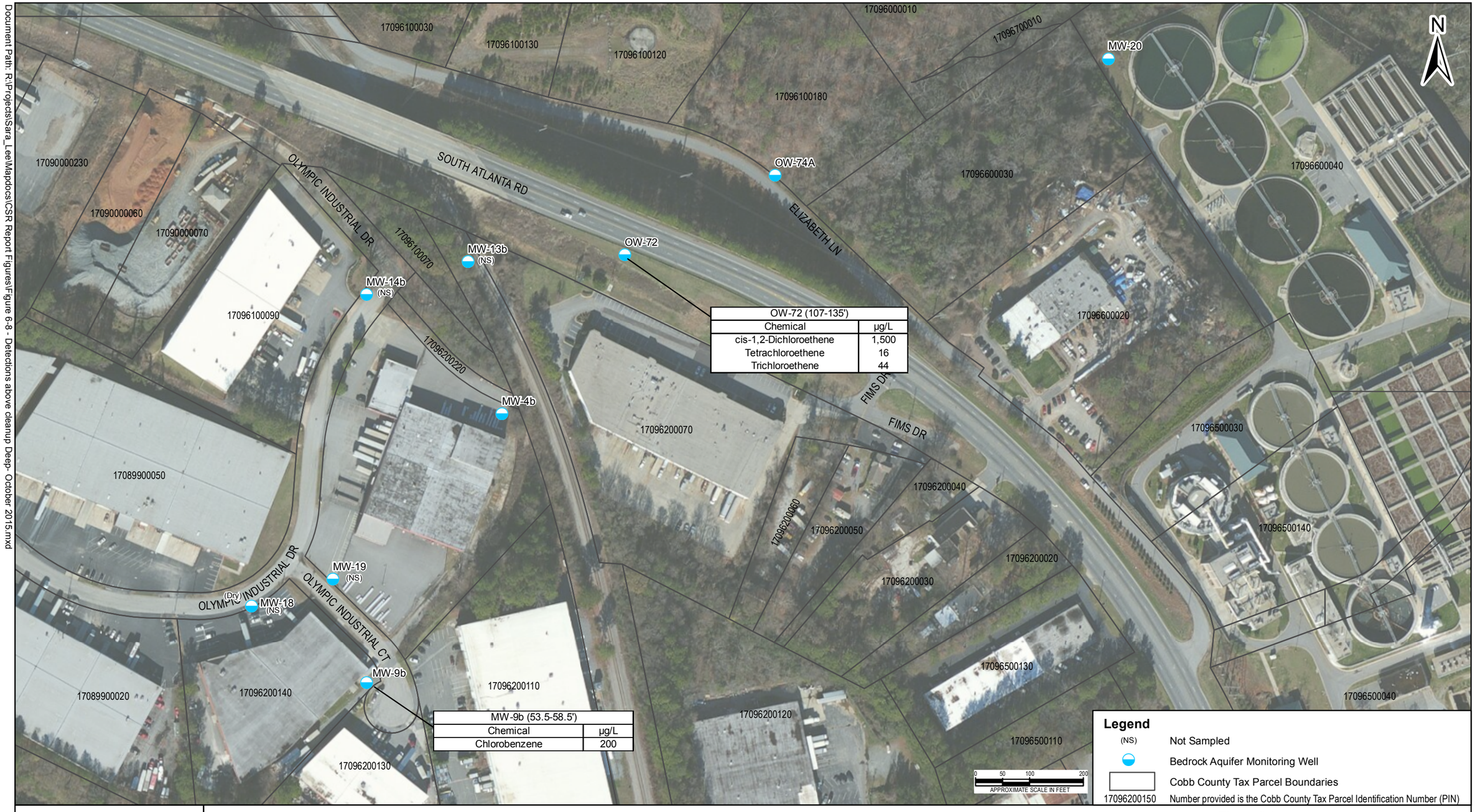
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/23/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	TCR
PROJECT #:	145686

Figure 6-7
Groundwater Detections Above Numeric Cleanup Level
Final Compliance Sampling Event
Shallow Aquifer, October 2015

Document Path: R:\Projects\Sara_Lee\Mapdocs\CSR Report Figures\Figure 6-8 - Detections above cleanup Deep- October 2015.mxd



OW-72 (107-135')	
Chemical	µg/L
cis-1,2-Dichloroethene	1,500
Tetrachloroethene	16
Trichloroethene	44

MW-9b (53.5-58.5')	
Chemical	µg/L
Chlorobenzene	200

Legend

(NS) Not Sampled

Bedrock Aquifer Monitoring Well

Cobb County Tax Parcel Boundaries

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

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	02/23/2016
SCALE:	AS SHOWN
DRAWN BY:	GTG
CHECKED BY:	TCR
PROJECT #:	145686

Figure 6-8
Groundwater Detections Above Numeric Cleanup Level
Final Compliance Sampling Event
Bedrock Aquifer, October 2015

Table 3-1. Final Delineation Standards
Former Olympic Manufacturing Site; Smyrna, Georgia

Chemical[a]	12-8-108(1)(A) Background Samples		12-8-108(1)(B) Notification Conc.	12-8-108(1)(C) 2 x LDL		12-8-108(1)(D) Rept'd Bkgrd	12-8-108(1)(E) Type 1 RRS		Delineation Concentration			
									Groundwater, ug/L		Soil, mg/kg	
	GW[b] ug/L	Soil[c] mg/kg	Soil[d] mg/kg	GW[e] ug/L	Soil[e] mg/kg	Soil[f] mg/kg	GW[g] ug/L	Soil[g] mg/kg	Standard	Reference	Standard	Reference
Volatile Organics												
Acetone	50	< 0.0960	2.74	100	0.200	not listed[h]	4,000	400	4,000	Type 1 RRS	400	Type 1 RRS
Benzene	5	< 0.0048	0.02	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
2-Butanone	50	< 0.0096	0.79	100	0.100	not listed	2,000	200	2,000	Type 1 RRS	200	Type 1 RRS
Carbon tetrachloride	5	< 0.0048	0.17	10	0.010	not listed	5	nc[i]	5	Type 1 RRS	nc	nc
Chlorobenzene	5	< 0.0048	4.18	10	0.010	not listed	100	10	100	Type 1 RRS	10	Type 1 RRS
Chloroform[j]	5	< 0.0048	0.68	10	0.010	not listed	80	3.7	80	Type 1 RRS	3.7	Type 1 RRS
1,2-Dichlorobenzene	5	na[k]	25	10	0.010	not listed	600	60	600	Type 1 RRS	60	Type 1 RRS
1,3-Dichlorobenzene	5	na	2.22	10	0.010	not listed	600	60	600	Type 1 RRS	60	Type 1 RRS
1,4-Dichlorobenzene	5	na	0.13	10	0.010	not listed	75	7.5	75	Type 1 RRS	7.5	Type 1 RRS
1,1-Dichloroethane	5	< 0.0048	0.03	10	0.010	not listed	4,000	400	4,000	Type 1 RRS	400	Type 1 RRS
1,2-Dichloroethane	5	< 0.0048	0.02	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
1,1-Dichloroethene	5	< 0.0048	0.36	10	0.010	not listed	7	0.7	7	Type 1 RRS	0.7	Type 1 RRS
cis-1,2-Dichloroethene	5	< 0.0048	0.53	10	0.010	not listed	70	7	70	Type 1 RRS	7	Type 1 RRS
trans-1,2-Dichloroethene	5	< 0.0048	0.53	10	0.010	not listed	100	10	100	Type 1 RRS	10	Type 1 RRS
Ethylbenzene	5	< 0.0048	20	10	0.010	not listed	700	70	700	Type 1 RRS	70	Type 1 RRS
Isopropyl benzene	5	na	21.88	10	0.010	not listed	5	22	5	Type 1 RRS	21.88	Type 1 RRS
Methylene chloride	5	< 0.0480	0.08	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
1,1,2,2-Tetrachloroethane	5	< 0.0048	0.13	10	0.010	not listed	5	0.13	5	Type 1 RRS	0.13	Type 1 RRS
Tetrachloroethene	5	< 0.0048	0.18	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
Toluene	5	< 0.0048	14.4	10	0.010	not listed	1,000	100	1,000	Type 1 RRS	100	Type 1 RRS
1,2,4-Trichlorobenzene	5	na	10.83	10	0.010	not listed	70	10.83	70	Type 1 RRS	10.83	Type 1 RRS
1,1,1-Trichloroethane	5	< 0.0048	5.44	10	0.010	not listed	200	20	200	Type 1 RRS	20	Type 1 RRS
1,1,2-Trichloroethane	5	< 0.0048	0.5	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
Trichloroethene	5	< 0.0048	0.13	10	0.010	not listed	5	0.5	5	Type 1 RRS	0.5	Type 1 RRS
Vinyl Chloride	2	< 0.0048	0.04	4	0.020	not listed	2	0.2	2	Type 1 RRS	0.2	Type 1 RRS
Xylenes (total)	5	< 0.0096	20	10	0.010	not listed	10,000	1,000	10,000	Type 1 RRS	1,000	Type 1 RRS
Metals												
Barium	20	93.4	500	40	10	674.1	2,000	1,000	2,000	Type 1 RRS	1,000	Type 1 RRS
Cadmium	5	< 2.31	39	10	5	not listed	5	2	5	Type 1 RRS	2	Type 1 RRS
Chromium	10	4.67	1,200	20	5	100	100	100	100	Type 1 RRS	100	Type 1 RRS
Copper	10	3.25	1,500	20	5	46.7	1,300	100	1,300	Type 1 RRS	100	Type 1 RRS
Lead	10	15.4	300	20	10	30	15	75	15	Type 1 RRS	75	Type 1 RRS
Nickel	20	4.62	420	40	10	24	100	50	100	Type 1 RRS	50	Type 1 RRS
Zinc	20	42.7	2,800	40	10	67	2,000	100	2,000	Type 1 RRS	100	Type 1 RRS

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

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

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

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

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

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

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

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

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

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

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

Table 3-2. Final Cleanup Standards
Former Olympic Manufacturing Site; Smyrna, Georgia

Chemical[a]	Alternative Cleanup Standard								Designated Cleanup Standard			
	Groundwater Standards, ug/L				Soil Standards, mg/kg				Groundwater, ug/L		Soil, mg/kg	
	Type 1	Type 2	Type 3	Type 4	Type 1	Type 2	Type 3	Type 4	Standard	Reference	Standard	Reference
Volatile Organics												
Acetone	4,000		4,000		400				4,000	Type 3	400	Type 1
Benzene	5	4.4	5	8.7	0.5				8.7	Type 4	0.5	Type 1
2-Butanone	2,000		2,000		200				2,000	Type 3	200	Type 1
Carbon Tetrachloride	5	4.9	5	10.22	nc[b]				10.22	Type 4	---	---
Chlorobenzene	100	27	100	136	nc				136	Type 4	---	---
Chloroform[c]	80		80		3.7				80	Type 3	3.7	Type 1
1,2-Dichlorobenzene	600		600		60				600	Type 3	60	Type 1
1,3-Dichlorobenzene	600		600		60				600	Type 3	60	Type 1
1,4-Dichlorobenzene	75	35	75	7.3	7.5				75	Type 3	7.5	Type 1
1,1-Dichloroethane	4,000		4,000		400				4,000	Type 3	---	---
1,2-Dichloroethane	5	1.6	5	2.9	nc				5	Type 3	---	---
1,1-Dichloroethene	7	103	7	524	nc				524	Type 4	---	---
cis-1,2-Dichloroethene	70	156	5	1,020	7				1,020	Type 4	7	Type 1
trans-1,2-Dichloroethene	100	32	100	161	10				161	Type 4	10	Type 1
Ethylbenzene	700		700		70				700	Type 3	70	Type 1
Isopropyl benzene	5	207	5		22				207	Type 2	21.88	Type 1
Methylene chloride	5		5		0.5				5	Type 3	0.5	Type 1
1,1,2,2-Tetrachloroethane	5		5		0.13				5	Type 3	0.13	Type 1
Tetrachloroethene	5	1.3	5	3.8	0.5	0.015	0.5 and 16	0.044	5	Type 3	0.5	Type 3
Toluene	1,000		1,000		100				1,000	Type 3	100	Type 1
1,2,4-Trichlorobenzene	70		70		10.83				70	Type 3	10.83	Type 1
1,1,1-Trichloroethane	200		200		20				200	Type 3	20	Type 1
1,1,2-Trichloroethane	5		5		nc				5	Type 3	---	---
Trichloroethene	5	18	5	35	0.5				35	Type 4	0.5	Type 1
Vinyl Chloride	2	1.1	2	3.3	nc				3.3	Type 4	---	---
Xylenes (total)	10,000		10,000		1,000				10,000	Type 3	1,000	Type 1
Metals												
Barium	2,000		2,000		1,000				2,000	Type 3	1,000	Type 1
Cadmium	5	7.8	5	51	2				51	Type 4	2	Type 1
Chromium	100	47	100	310	100				310	Type 4	100	Type 1
Copper	1,300	630	1,300	4,090	100				4,090	Type 4	100	Type 1
Lead	15	15	15	15	75				15	Type 3	75	Type 1
Nickel	100	310	100	2,040	50				2,040	Type 4	50	Type 1
Zinc	2,000	4,700	2,000		100	5,838	2800		4,700	Type 2	5838	Type 2

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

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

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

Table 5-1. Historical Summary of Soil Analytical Results
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, mg/kg																										
	SB-1	SB-2		SB-3		SB-4		SB-5		SB-6		SB-7		SB-8		SB-9		SB-10	SB-11		SB-12		SB-13	SB-13b[b]	SB-13A	SB-13B	SB-13C
	0-6" 1988	0-6" 1988	12-18" 1988	0-6" 1988	12-18" 1988	0-6" 1988	12-18" 1988	0-6" 1989	12-18" 1988	0-6" 1989	12-18" 1988	0-6" 1988	12-18" 1988	0-6" 1988	12-18" 1988	0-6 1988	12-18' 1988	12-18" 1988	0-6" 1988	12-18" 1988	0-6" 1988	12-18" 1988	0-6" 1988	12-18" 1988	18-20' 2006	20-22' 2006	18-20' 2006
Volatile Organics, Method 8260B																											
Acetone	na[g]	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
Benzene	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
2-Butanone	< 0.005	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
Chloroform	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
1,2-Dichlorobenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
1,3-Dichlorobenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
1,4-Dichlorobenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
1,1-Dichloroethane	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
1,2-Dichloroethane	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
cis-1,2-Dichloroethene	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
trans-1,2-Dichloroethene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
Ethylbenzene	0.033	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.440	na	na	na
Isopropyl benzene	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	< 0.005	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.670	na	na	na
1,1,2,2-Tetrachloroethane	< 0.005	0.013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
Tetrachloroethene	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.009	< 0.005	< 0.005	< 0.005	0.018	1.900	<0.0043	<0.0046	<0.0045
Toluene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.350	na	na	na
1,1,1-Trichloroethane	< 0.005	0.011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	na	na	na
1,1,2-Trichloroethane	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
Trichloroethene	< 0.005	0.071	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.880	<0.0043	<0.0046	<0.0045
Vinyl Chloride	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
Total Xylene	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
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	na	na	na
Barium																											
Cadmium																											
Chromium																											
Copper																											
Lead																											
Nickel																											
Zinc																											

[a] Results based on a dilution factor of 1:5.

[b] Soil at DS-3 and Ex-1 has since been excavated. Ex-2 through Ex-6 and V-1 were superseded by more recent results (PSB-1, 3, 4, 7, 8, 9, and 10, and EX-2A, -4A, and -6A) as they represent current conditions. SB-13 was also superseded by the more recent results from SB-13A, SB-13B, SB-13C, and SB-13D.

[c] Results based on a dilution factor of 2:5.

[d] "Dup-01" is a duplicate sample of V-1, 35-37 ft.

[e] Background metal concentrations in soil approved by the EPD in their May 23, 2005 letter.

[f] Type 2 and 4 RRS calculated for the site by BC based on reasonable assumptions.

[g] "na" indicates not analyzed for this parameter. "bdl" indicates below detection limit. "nr" indicates the laboratory reports are not available to determine the detection limit.

[n] Acetone likely due to lab/field procedures (see letter from AES in September 2003 lab report in Appendix A).

[l] "nc" indicates standard not calculated as Type 1 and/or Type 3 RRS already met.

[J] "J" indicates reported value is between MDL and PQL. Estimated below the detection limit.

[k] "B" indicates the analyte was detected in the associated Method Blank.

[l] indicates value exceeds Type 1, Type 2, Type 3, and Type 4 standards.

[m] "scan" indicates results are for a preliminary scan.

[n] "MW-13C" is a duplicate sample of MW-13aR, 20-22 ft.

Table 5-1. Historical Summary of Soil Analytical Results
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, mg/kg																								
	SB-13D	SB-14		SB-15	SB-16		SB-17	DS-1	DS-2			DS-3[b]	DS-3[b,c]	DS-3[b]		DS-4			DS-5			DS-6		DS-7		
	18-20' 2006	0-6" 1988	12-18" 1988	12-18" 1988	0-6" 1988	12-18" 1988	0-6" 1988	1-2' 1988	8-9' 1988	12' 1988	19' 1988	0-2' 1988	3-4' 1988	8-9' 1988	23-24' 1988	4-5' 1988	12-13' 1988	15-16' 1988	2-3' 1988	9-10' 1988	20-21' 1988	3-4' 1988	9-10' 1988	3-4' 1988	9-10' 1988	20-21' 1988
Volatile Organics, Method 8260B																									
Acetone	na	na	na	na	na	na	na	na	na	na	na	na	na	nr[g]	na	na	na	na	na	na	na	na	na	na	na
Benzene	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	nr	< 0.00556	< 0.00676	< 0.00568	< 0.00610	0.002J[j]	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	0.002J	< 0.00556
2-Butanone	na	na	na	na	na	na	na	na	na	na	na	na	na	nr	0.049J	na	na	na	na	na	na	na	na	na	na	na
Chloroform	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	0.5	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
1,2-Dichlorobenzene	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	nr	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
1,3-Dichlorobenzene	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	nr	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
1,4-Dichlorobenzene	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	nr	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
1,1-Dichloroethane	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	nr	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
1,2-Dichloroethane	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
cis-1,2-Dichloroethene	na	na	na	na	na	na	na	na	na	na	na	na	na	nr	na	na	na	na	na	na	na	na	na	na	na	na
trans-1,2-Dichloroethene	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	0.51	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
Ethylbenzene	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	0.48	< 0.0125	5	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
Isopropyl benzene	na	na	na	na	na	na	na	na	na	na	na	na	na	nr	na	na	na	na	na	na	na	na	na	na	na	na
Methylene Chloride	na	0.027	< 0.005	< 0.005	0.056	0.037	0.029	0.033B[k]	0.016B	0.027B	0.018B	0.052B	0.120B	2.5[l]	0.037B	0.018B	0.010B	0.029B	0.020B	0.020B	0.020B	0.040B	0.032B	0.013B	0.019B	0.013B
1,1,2,2-Tetrachloroethane	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	nr	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
Tetrachloroethene	<0.0041	< 0.005	< 0.005	< 0.005	0.060	< 0.005	< 0.005	0.003JB	0.002JB	0.002JB	0.006B	0.015B	0.005JB	830	0.004JB	< 0.00676	< 0.00568	0.011B	0.005JB	< 0.00658	< 0.00581	< 0.00625	0.003J	0.023	< 0.00610	< 0.00556
Toluene	na	< 0.005	< 0.005	< 0.005	0.016	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	0.008	< 0.0125	2	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
1,1,1-Trichloroethane	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	0.34	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
1,1,2-Trichloroethane	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
Trichloroethene	<0.0041	< 0.005	< 0.005	< 0.005	0.043	< 0.005	< 0.005	< 0.00581	< 0.00556	< 0.00595	< 0.00543	< 0.00641	< 0.0125	3.6	< 0.00556	< 0.00676	< 0.00568	< 0.00610	< 0.00781	< 0.00658	< 0.00581	< 0.00625	< 0.00676	< 0.00568	< 0.00610	< 0.00556
Vinyl Chloride	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
Total Xylene	na	na	na	na	na	na	na	na	na	na	na	4.4J	na	nr	0.037J	na	na	na	na	na	na	na	na	na	na	na
Metals, Method 6010B/7470A	na	na	na	na	na	na	na	nr	nr	nr	nr	nr	nr	nr		nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr
Barium															na											
Cadmium															1.1											
Chromium															25.7											
Copper															8.5											
Lead															10.9											
Nickel															33.7											
Zinc															81											

[a] Results based on a dilution factor of 1:5.

[b] Soil at DS-3 and Ex-1 has since been excavated. Ex-2 through Ex-6 and V-1 were superseded by the more recent results (PSB-1, 3, 4, 7, 8, 9, and 10) as they are more representative of current conditions. SB-13 was also superseded by the more recent results from SB-13A, SB-13B, SB-13C, and SB-13D.

[c] Results based on a dilution factor of 2:5.

[d] "Dup-01" is a duplicate sample of V-1, 35-37 ft.

[e] Background metal concentrations in soil approved by the EPD in their May 23, 2005 letter.

[f] Type 2 and 4 RRS calculated for the site by BC based on reasonable assumptions.

[g] "na" indicates not analyzed for this parameter. "bdl" indicates below detection limit. "nr" indicates the laboratory reports are not available to determine the detection limit.

[n] Acetone likely due to lab/field procedures (see letter from AES in September 2003 lab report in Appendix A).

[l] "nc" indicates standard not calculated as Type 1 and/or Type 3 RRS already met.

[j] "J" indicates reported value is between MDL and PQL. Estimated below the detection limit.

[k] "B" indicates the analyte was detected in the associated Method Blank.

[l] indicates value exceeds Type 1, Type 2, Type 3, and Type 4 standards.

[m] "scan" indicates results are for a preliminary scan.

[n] "MW-13C" is a duplicate sample of MW-13aR, 20-22 ft.

Table 5-1. Historical Summary of Soil Analytical Results
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, mg/kg																													
	DS-8		DS-9		DS-10	DS-11	DS-12	DS-13	DS-14	DS-15	DS-16	Ex-1 (scan)[b,m]	Ex-2 (scan)[b]	Ex-3 (scan)[b]	Ex-4 (scan)[b]	Ex-5 (scan)[b]	Ex-2-North[b]	Ex-3-West[b]	Ex-4-South[b]	Ex-5-East[b]	Ex-6-Bottom[b]	BC-1 (scan)				BC-2 (scan)				
	0-2' 1988	9-10' 1988	0-2' 1988	9-10' 1988	0-2' 1988	0-2' 1988	12' 1988	0-2' 1988	0-2' 1988	0-2' 1988	0-2' 1988	16' 1998	10' 1998	10' 1998	10' 1998	10' 1998	10' 1998	10' 1998	10' 1998	10' 1998	18' 1998	4-6' 1998	9-11' 1998	14-16' 1998	19-20' 1998	4-6' 1998	9-11' 1998	14-16' 1998	19-20' 1998
Volatile Organics, Method 8260B																														
Acetone	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
Benzene	< 0.00556	< 0.00625	< 0.00641	0.002J	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.005	na	na	na	na	na	< 0.005	< 0.005	< 0.005	0.029	< 0.005	na	na	na	na	na	na	na	na
2-Butanone	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
Chloroform	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	0.007	0.018	0.144	0.205	0.26	na	na	na	na	na	na	na	na
1,3-Dichlorobenzene	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	0.043	0.032	0.139	na	na	na	na	na	na	na	na
1,4-Dichlorobenzene	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	0.034	0.026	0.084	na	na	na	na	na	na	na	na
1,1-Dichloroethane	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	na	na	na	na	na	na	na	na
1,2-Dichloroethane	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
***cis*-1,2-Dichloroethene**	na	na	na	na	na	na	na	na	na	na	na	0.253	< 0.1	< 0.1	0.180	< 0.1	0.021	0.045	0.992	< 0.005	0.324	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
***trans*- 1,2-Dichloroethene**	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	0.036	< 0.005	0.008	na	na	na	na	na	na	na	na
Ethylbenzene	< 0.00556	< 0.00625	0.480	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	0.013	< 0.005	2.91	< 0.005	na	na	na	na	na	na	na	na
Isopropyl benzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	3.8	0.052	na	na	na	na	na	na	na	na
Methylene Chloride	0.013B	0.013B	0.079B	0.015B	0.67B	0.016B	0.041B	0.057B	0.027	0	0.14	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	0.013	na	na	na	na	na	na	na	na
1,1,2,2-Tetrachloroethane	< 0.00556	< 0.00625	< 0.00641	< 0.00568	0.16	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	na	na	na	na	na	na	na	na
Tetrachloroethene	< 0.00556	< 0.00625	< 0.00641	< 0.00568	3.1	< 0.00581	< 0.00581	< 0.00581	< 0.005	< 0.005	< 0.005	342.0	< 0.1	< 0.1	0.2	< 0.1	0.674	0.256[n]	1.970	0.211	19.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	< 0.00556	< 0.00625	0.00970	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	na	na	na	na	na	na	na	na
1,1,1-Trichloroethane	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	< 0.005	< 0.00595	< 0.00595	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	na	na	na	na	na	na	na	na
1,1,2-Trichloroethane	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
Trichloroethene	< 0.00556	< 0.00625	< 0.00641	< 0.00568	< 0.00581	< 0.00581	< 0.00595	< 0.00595	na	< 0.00595	< 0.00595	1.070	< 0.1	< 0.1	< 100	< 0.1	0.010	0.025	0.565	< 0.005	0.171	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl Chloride	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
Total Xylene	na	na	5.0J	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.100	0.057	< 0.010	15.83	0.050	na	na	na	na	na	na	na	na
Metals, Method 6010B/7470A	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Barium																														
Cadmium																														
Chromium																														
Copper																														
Lead																														
Nickel																														
Zinc																														

[a] Results based on a dilution factor of 1:5.

[b] Soil at DS-3 and Ex-1 has since been excavated. Ex-2 through Ex-6 and V-1 were superseded by the more recent results (PSB-1, 3, 4, 7, 8, 9, and 10) as they are more representative of current conditions. SB-13 was also superseded by the more recent results from SB-13A, SB-13B, SB-13C, and SB-13D.

[c] Results based on a dilution factor of 2:5.

[d] "Dup-01" is a duplicate sample of V-1, 35-37 ft.

[e] Background metal concentrations in soil approved by the EPD in their May 23, 2005 letter.

[f] Type 2 and 4 RRS calculated for the site by BC based on reasonable assumptions.

[g] "na" indicates not analyzed for this parameter. "bdl" indicates below detection limit. "nr" indicates the laboratory reports are not available to determine the detection limit.

[n] Acetone likely due to lab/field procedures (see letter from AES in September 2003 lab report in Appendix A).

[i] "nc" indicates standard not calculated as Type 1 and/or Type 3 RRS already met.

[j] "J" indicates reported value is between MDL and PQL. Estimated below the detection limit.

[k] "B" indicates the analyte was detected in the associated Method Blank.

[l] indicates value exceeds Type 1, Type 2, Type 3, and Type 4 standards.

[m] "scan" indicates results are for a preliminary scan.

[n] "MW-13C" is a duplicate sample of MW-13aR, 20-22 ft.

Table 5-1. Historical Summary of Soil Analytical Results
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, mg/kg																													
	BC-3 (scan)				BC-4 (scan)				BC-5 (scan)				BC-6 (scan)		BC-6 (scan)		BC-7 (scan)				BC-8 (scan)				BC-1	BC-2	BC-3	BC-4	BC-5
	4-6' 1998	9-11' 1998	14-16' 1998	19-20' 1998	4-6' 1998	9-11' 1998	14-16' 1998	19-20' 1998	4-6' 1998	9-11' 1998	14-16' 1998	17-18' 1998	4-6' 1998	9-11' 1998	14-16' 1998	18-19' 1998	4-6' 1998	9-11' 1998	14-16' 1998	19-20' 1998	4-6' 1998	9-11' 1998	14-16' 1998	18-19' 1998	9-11' 1998	9-11' 1998	14-16' 1998	14-16' 1998	9-11' 1998
Volatile Organics, Method 8260B																														
Acetone	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.100[h]	0.216	0.147	< 0.100	< 0.100
Benzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Butanone	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.100	0.235	< 0.100	< 0.100	< 0.100
Chloroform	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dichlorobenzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,3-Dichlorobenzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,4-Dichlorobenzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloroethane	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dichloroethane	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
cis-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
trans-1,2-Dichloroethene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl benzene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylene Chloride	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2,2-Tetrachloroethane	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrachloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.005	< 0.005	< 0.005	0.012	< 0.005
Toluene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,1-Trichloroethane	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	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
Trichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vinyl Chloride	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
Total Xylene	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
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	na	na	na	na	na
Barium																													
Cadmium																													
Chromium																													
Copper																													
Lead																													
Nickel																													
Zinc																													

[a] Results based on a dilution factor of 1:5.

[b] Soil at DS-3 and Ex-1 has since been excavated. Ex-2 through Ex-6 and V-1 were superseded by the more recent results (PSB-1, 3, 4, 7, 8, 9, and 10) as they are more representative of current conditions. SB-13 was also superseded by the more recent results from SB-13A, SB-13B, SB-13C, and SB-13D.

[c] Results based on a dilution factor of 2:5.

[d] "Dup-01" is a duplicate sample of V-1, 35-37 ft.

[e] Background metal concentrations in soil approved by the EPD in their May 23, 2005 letter.

[f] Type 2 and 4 RRS calculated for the site by BC based on reasonable assumptions.

[g] "na" indicates not analyzed for this parameter. "bdl" indicates below detection limit. "nr" indicates the laboratory reports are not available to determine the detection limit.

[n] Acetone likely due to lab/field procedures (see letter from AES in September 2003 lab report in Appendix A).

[i] "nc" indicates standard not calculated as Type 1 and/or Type 3 RRS already met.

[j] "J" indicates reported value is between MDL and PQL. Estimated below the detection limit.

[k] "B" indicates the analyte was detected in the associated Method Blank.

[l] indicates value exceeds Type 1, Type 2, Type 3, and Type 4 standards.

[m] "scan" indicates results are for a preliminary scan.

[n] "MW-13C" is a duplicate sample of MW-13aR, 20-22 ft.

Table 5-1. Historical Summary of Soil Analytical Results
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, mg/kg																										
	BC-6	BC-7	BC-8	MW-9a	MW-10	MW-11	MW-12	MW-13a	MW-13aR	MW-13C[n]	V-1[b]		Dup-01[d]	MW-14	MW-15	MW-16	MW-17	S-1	S-2	S-3	S-4	S-5	PSB-1	PSB-1	PSB-3	PSB-4	PSB-7	PSB-8
	9-11' 1998	14-16' 1998	9-11' 1998	15-17' 2001	20-22' 2001	20-22' 2001	35-37' 2001	5-7' 2001	20'-22' 2004	20'-22' 2004	25-27' 2001	35-37' 2001	35-37' 2001	35-37' 2002	8-10' 2002	28-30' 2002	30-32' 2003	5-10' 2003	10-14.75' 2003	15-20' 2003	10-11' 2003	15-20' 2003	19-21' 2005	39-41' 2005	14-16' 2005	29-31' 2005	12-16' 2005	16-19' 2005
Volatile Organics, Method 8260B																											
Acetone	< 0.100	< 0.100	< 0.100	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	< 0.017	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.022	< 0.022	< 0.019	0.068	< 0.024	0.047	< 0.100	< 0.110	< 0.120	< 0.110	< 0.093	< 0.110
Benzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
2-Butanone	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.0063	< 0.0086	< 0.100	< 0.100	< 0.100	< 0.096	0.020	< 0.0094	< 0.011	< 0.011	< 0.0097	< 0.011	< 0.012	< 0.0092	< 0.051	< 0.056	< 0.059	< 0.053	< 0.046	< 0.054
Chloroform	< 0.005	< 0.005	< 0.005	< 0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
1,2-Dichlorobenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.013	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	na	na	na	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	0.0053	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
1,3-Dichlorobenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	na	na	na	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
1,4-Dichlorobenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	na	na	na	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
1,1-Dichloroethane	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
1,2-Dichloroethane	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
cis -1,2-Dichloroethene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	0.008	0.007	< 0.0048	na	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	0.0084	< 0.0051	< 0.0056	< 0.0059	0.0066	0.0061	< 0.0054
trans- 1,2-Dichloroethene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	na	na	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
Ethylbenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.013	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
Isopropyl benzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.080	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	na	na	na	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
Methylene Chloride	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.053	< 0.047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	0.0078	0.0059	< 0.0059	0.0063	< 0.0046	< 0.0054
1,1,2,2-Tetrachloroethane	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
Tetrachloroethene	0.012	0.014	< 0.005	0.017	0.019	< 0.005	0.011	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	0.031	0.042	< 0.0059	< 0.0053	< 0.0046	< 0.0054
Toluene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	0.035	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
1,1,1-Trichloroethane	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
1,1,2-Trichloroethane	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
Trichloroethene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0063	< 0.0043	< 0.005	< 0.005	< 0.005	< 0.0048	< 0.0053	< 0.0047	< 0.0054	< 0.0054	< 0.0049	< 0.0055	< 0.006	< 0.0046	< 0.0051	< 0.0056	< 0.0059	< 0.0053	< 0.0046	< 0.0054
Vinyl Chloride	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
Total Xylene	< 0.005	< 0.005	< 0.005	< 0.015	< 0.0053	< 0.015	0.059	0.012	< 0.013	< 0.0086	< 0.015	0.025	< 0.015	< 0.0048	< 0.0053	< 0.0047	< 0.0164	< 0.0164	< 0.0146	< 0.0165	< 0.018	< 0.0138	< 0.0151	< 0.0166	< 0.0179	< 0.0163	< 0.0139	< 0.0164
Metals, Method 6010B/7470A	na	na	na																									
Barium				172	60.3	177	96	53	75.3	55.9	69	94.6	95.6	93.4	60.6	71.4	187	87.5	35.1	28.7	114	223	na	na	na	na	na	na
Cadmium				< 2.50	< 2.50	< 2.50	< 2.50	< 2.50	< 2.35	< 2.36	< 2.50	< 2.50	< 2.50	< 2.50	< 2.50	< 2.50	< 2.15	< 2.09	< 2.24	< 2.30	< 2.28	< 2.19	na	na	na	na	na	na
Chromium				34.7	15.2	23.7	18.2	15.9	10.2	2.69	16	13.3	14.7	4.67	13.9	15.4	32.3	21.9	18.3	40	37.1	23.3	na	na	na	29.3	na	na
Copper				22.3	28	23.4	36.8	16.1	21.2	3.13	23.6	25.3	32.7	3.25	27.8	22.2	7.8	22.2	28.7	24.8	16.8	22.4	na	na	na	na	na	na
Lead				13	8.05	10.3	9.85	12.3	16.4	4.85	39.5	17.9	14.6	15.4	9.1	11.3	< 4.3	11.1	10.9	13.7	12.9	23.1	na	na	na	14.4	na	na
Nickel				22	21.2	18.9	32.1	8.69	6.87	<4.72	19.2	25.2	24	4.62	19.2	17.1	11	18.3	16.2	8.71	21.8	23	na	na	na	na	na	na
Zinc				127	35.4	99.6	83.1	26.6	39.0	29.4	101	97.9	116	42.7	41.8	38.4	61.3	109	39.5	30.6	138	121	na	na	na	na	na	na

[a] Results based on a dilution factor of 1:5.

[b] Soil at DS-3 and Ex-1 has since been excavated. Ex-2 through Ex-6 and V-1 were superseded by the more recent results (PSB-1, 3, 4, 7, 8, 9, and 10) as they are more representative of current conditions. SB-13 was also superseded by the more recent results from SB-13A, SB-13B, SB-13C, and SB-13D.

[c] Results based on a dilution factor of 2:5.

[d] "Dup-01" is a duplicate sample of V-1, 35-37 ft.

[e] Background metal concentrations in soil approved by the EPD in their May 23, 2005 letter.

[f] Type 2 and 4 RRS calculated for the site by BC based on reasonable assumptions.

[g] "na" indicates not analyzed for this parameter. "bdl" indicates below detection limit. "nr" indicates the laboratory reports are not available to determine the detection limit.

[h] Acetone likely due to lab/field procedures (see letter from AES in September 2003 lab report in Appendix A).

[i] "nc" indicates standard not calculated as Type 1 and/or Type 3 RRS already met.

[j] "J" indicates reported value is between MDL and PQL. Estimated below the detection limit.

[k] "B" indicates the analyte was detected in the associated Method Blank.

[l] indicates value exceeds Type 1, Type 2, Type 3, and Type 4 standards.

[m] "scan" indicates results are for a preliminary scan.

[n] "MW-13C" is a duplicate sample of MW-13aR, 20-22 ft.

Table 5-1. Historical Summary of Soil Analytical Results
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, mg/kg																												
	PSB-9	PSB-10	S-6	S-7	S-8	S-9	S-10		S-11	DS-10A	Ex-2A-1	Ex-2A-2	Ex-4A-1	Ex-4A-2	Ex-6A-1	Ex-6A-2	Ex-6B-1					Ex-6B-2					Delineation Concentration	Risk Reduction Standard
	16-18' 2005	16-17' 2005	7-8' 2007	9-10' 2007	6-7' 2007	14-15' 2007	5-6' 2007	14-15' 2007	14-15' 2007	4' 2007	12' 2008	41' 2008	12' 2008	41' 2008	21' 2008	42' 2008	20-22' 2010	25-27' 2010	30-32' 2010	35-37' 2010	39-41' 2010	20-22' 2010	25-27' 2010	30-32' 2010	35-37' 2010	39-41' 2010		
Volatile Organics, Method 8260B																													
Acetone	< 0.097	< 0.100	<.140	<.140	<.110	<.110	<.140	<.110	<.50	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	400	400
Benzene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.5	0.5
2-Butanone	< 0.049	< 0.051	<.068	<.070	<.053	<.053	<.072	<.057	<.050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	200	200
Chloroform	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	3.7	3.7
1,2-Dichlorobenzene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	60	60
1,3-Dichlorobenzene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	60	60
1,4-Dichlorobenzene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	7.5	7.5
1,1-Dichloroethane	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	400	400
1,2-Dichloroethane	na	na	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	<.0056	< .0052	<.0075	< .0045	< .0054	< .0045	< .0035	na	na	na	na	na	na	na	na	na	na	0.5	0.5
cis -1,2-Dichloroethene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	<.0056	< .0052	<.0075	< .0045	0.025	< .0045	< .0035	na	na	na	na	na	na	na	na	na	na	0.53	5.84
trans- 1,2-Dichloroethene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	<.0056	< .0052	<.0075	< .0045	< .0054	< .0045	< .0035	na	na	na	na	na	na	na	na	na	na	10	10
Ethylbenzene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	70	70
Isopropyl benzene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	21.88	21.88
Methylene Chloride	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.5	0.5
1,1,2,2-Tetrachloroethane	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.13	0.13
Tetrachloroethene	< 0.0049	0.0081	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	<.0056	< .0052	<.0075	< .0045	0.150	0.056	1.200	0.560	<0.0035	<0.0035	0.0098	<0.0036	0.120	0.033	0.014	0.019	<0.0039	0.5	0.5
Toluene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	100	100
1,1,1-Trichloroethane	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	20
1,1,2-Trichloroethane	na	na	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	<.0056	< .0052	<.0075	< .0045	< .0054	< .0045	< .0035	na	na	na	na	na	na	na	na	na	na	0.5	0.5
Trichloroethene	< 0.0049	< 0.0051	<.0068	<.0070	<.0053	<.0053	<.0072	<.0057	<.0050	<.0056	< .0052	<.0075	< .0045	0.015	< .0045	0.0059	<0.005	<0.0035	<0.0035	<0.0034	<0.0036	0.0140	<0.0035	<0.0032	0.0066	<0.0039	0.5	0.5
Vinyl Chloride	na	na	<.014	<.014	<.011	<.011	<.014	<.011	<.010	<.0011	< .01	< .015	< .0089	< .011	< .0091	< .0069	na	na	na	na	na	na	na	na	na	na	0.2	0.2
Total Xylene	< 0.0146	< 0.0151	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1,000	992
Metals, Method 6010B/7470A																													
Barium	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	1,000	1,000
Cadmium	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	2	2
Chromium	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	1,200	1200
Copper	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	1,500	1,500
Lead	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	300	400
Nickel	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	420	420
Zinc	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	300,000	2,800

[a] Results based on a dilution factor of 1:5.

[b] Soil at DS-3 and Ex-1 has since been excavated. Ex-2 through Ex-6 and V-1 were superseded by the more recent results (PSB-1, 3, 4, 7, 8, 9, and 10) as they are more representative of current conditions. SB-13 was also superseded by the more recent results from SB-13A, SB-13B, SB-13C, and SB-13D.

[c] Results based on a dilution factor of 2:5.

[d] "Dup-01" is a duplicate sample of V-1, 35-37 ft.

[e] Background metal concentrations in soil approved by the EPD in their May 23, 2005 letter.

[f] Type 2 and 4 RRS calculated for the site by BC based on reasonable assumptions.

[g] "na" indicates not analyzed for this parameter. "bdl" indicates below detection limit. "nr" indicates the laboratory reports are not available to determine the detection limit.

[h] Acetone likely due to lab/field procedures (see letter from AES in September 2003 lab report in Appendix A).

[i] "nc" indicates standard not calculated as Type 1 and/or Type 3 RRS already met.

[j] "J" indicates reported value is between MDL and PQL. Estimated below the detection limit.

[k] "B" indicates the analyte was detected in the associated Method Blank.

[l] indicates value exceeds Type 1, Type 2, Type 3, and Type 4 standards.

[m] "scan" indicates results are for a preliminary scan.

[n] "MW-13C" is a duplicate sample of MW-13aR, 20-22 ft.

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																					
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-1 31 to 41 ft bg													MW-1R 31 to 41 ft bg																				MW-2 30 to 40 ft bg					
				May-88	Oct-88	Jun-05	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	May-88	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98
Volatile Organics, Method 8260																																						
Acetone	4,000	nc[c]	nc	na[b]	na	< 2.6	< 100	< 10	na	< 10	< 100	< 5	< 100	< 20	< 20	< 20	< 50	< 20	< 50	320	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	< 2.6	< 100	< 10	na
Benzene	5	4.4	8.7	< 5.0	< 10	< 0.3	< 2	0.29	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	0.4 E	< 2	0.48	< 5
Bromodichloromethane	100	nc	nc	nr[a]	nr	nr	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	nr	nr	< 10	< 0.19	< 5
2-Butanone	2,000	nc	nc	na	na	< 12	< 100	< 10	na	< 100	< 100	< 10	< 100	17	< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	na	< 12.0	< 100	< 10	na
n-Butylbenzene	5	626	4,088	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5
sec-Butylbenzene	5	626	4,088	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5
Carbon disulfide	4,000	nc	nc	na	na	na	< 10	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 10	< 5	na
Carbon Tetrachloride	5	4.9	10																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						
Chlorobenzene	100	27	136	< 5.0	< 10	< 0.60	< 10	< 0.25	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.60	< 10	3.4	< 5
Chloroethane	10	nc	nc	< 10	< 20	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.3	< 5	< 0.37	< 10
Chloroform	100	nc	nc	15	< 10	< 0.7	< 2	0.2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6	4.3 Jc	1.4 E	< 2	0.78	< 5
Chloromethane																							< 10	< 10	< 10	< 10	< 10	< 10	< 10						
1,2-Dibromoethane																							< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						
Dibromochloromethane	100	nc	nc	< 5.0	< 10	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5.0	< 0.6	< 10	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	< 5.0	< 10	na	< 10	NAV[d]	5	8	7	na	9	< 5	11	8.2	7.6	11	< 5.0	7.3	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	19	NAV	4 J
1,3-Dichlorobenzene	600	nc	nc	< 5.0	< 10	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	NAV	< 5
1,4-Dichlorobenzene	75	35	73	< 5.0	< 10	na	< 10	NAV	< 5.0	< 5.0	< 5.0	na	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	< 10	NAV	< 5.0
Dichlorodifluoromethane																							< 10	< 10	< 10	< 10	< 10	< 10	< 10						
1,1-Dichloroethane	4,000	nc	nc	5.0	20	2.3 EI	< 2	< 0.15	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	190	150	91	110	46	19
1,2-Dichloroethane	5	1.6	2.9	< 5.0	< 10	< 0.5	< 2	< 0.12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.5	< 2	< 0.12	< 5
1,1-Dichloroethene	7	103	524	230	< 10	2.4 E	< 2	< 0.48	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	18	110	63	58	24	18
cis-1,2-Dichloroethene	70	156	1,020	na	na	na	27	na	14	19	10	na	5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	320	na	101
trans-1,2-Dichloroethene	100	32	161	na	350	na	< 2	< 5	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	7.2	na	12	28	< 5
Total 1,2-Dichloroethene[h]	105	192	1,160	na	350	na	29	<5	19	24	15	9.2	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	7.2	180	332	28	106
1,2-Dichloropropane																							< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						
Ethylbenzene	700	nc	nc	< 5.0	< 10	< 1.0	< 2	< 0.34	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 1.0	< 2	< 0.34	< 5
Freon-113																							< 10	< 10	< 10	< 10	< 10	< 10	< 10						
Isopropylbenzene	5	207	nc	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 10	na	< 5
p-Isopropyl toluene	5	200	1,010	na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5
Methylene chloride	5	nc	nc	< 5.0	13	< 2.8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	9.2	12	< 5	< 5	< 5
4-Methyl-2-pentanone																							< 10	< 10	< 10	< 10	< 10	< 10	< 10						
Naphthalene	20	nc	nc	na	na	na	< 10	NAV	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	NAV	< 5
Styrene	100	nc	nc	na	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 0.4	< 25	< 0.13	< 5
1,1,2,2-Tetrachloroethane																							< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						
Tetrachloroethene	5	1.3	3.9	36	51	43	17	13	13	12	8	19	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	88	88	160	120	46	34
Toluene	1,000	nc	nc	< 5.0	< 10	< 0.9	< 2	0.56	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.9	< 2	0.78	< 5
1,2,4-Trichlorobenzene	70	nc	nc																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						
1,1,1-Trichloroethane	200	nc	nc	< 5.0	28	< 0.4	< 2	< 0.25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	210	210	60	130	37	28
1,1,2-Trichloroethane	5	nc	nc	< 5.0	< 10	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 0.9	< 2	< 0.37	< 5
Trichloroethene	5	18	35	44	58	37	16	11	8	6	< 5	5.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	19	8.3	100	200	156	81
Trichlorofluoromethane	2,000	nc	nc	< 10	< 10	na	< 10	< 0.22	< 5	< 5	< 5	na	6	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	na	< 10	< 0.22	< 5
1,2,4-Trimethylbenzene				na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	< 5	< 5	< 5					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5
1,3,5-Trimethylbenzene				na	na	na	< 10	na	< 5	< 5	< 5	na	< 5	na	na	< 5	< 5	< 5					na	na	na	na	na	na	na	na	na	na	< 10	na	< 5
Vinyl Chloride	2	1.1	3.3	< 10	< 20	< 1.7	< 10	< 0.61	< 2	< 2	< 2	< 5	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 10	7.2	< 10	< 0.61	< 2
m&p-Xylene	nc	nc	nc	na	na	na	< 5	na	< 5	< 5	< 5	na	< 10	< 5	<5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	<5.0	na	na	na	< 5	na	< 5
o-Xylene	nc	nc	nc	na	na	na	< 5	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	na	< 5	na	< 5
Total Xylene	10,000	nc	nc	na	na	< 0.2	< 5	1.1	< 5	< 5	< 5	< 5	< 15	< 5	<10	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	na	na	na	< 5	0.59	< 5
Semi-Volatile Organics, Method 8270				na	na	na						na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na					
1,2-Dichlorobenzene	600	nc	nc				< 10	< 10	< 10	NASV[f]	NASV																						< 10	14	< 10
1,3-Dichlorobenzene	600	nc	nc				< 10	< 10	< 10	NASV	NASV																						< 10	< 10	< 10
1,4-Dichlorobenzene	75	nc	nc				< 10	< 10	< 10	NASV	NASV																						< 10	< 10	< 10
2,4-Dimethylphenol	700	nc	nc				< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10
Bis(2-Ethylhexyl)phthalate	6	nc	nc				< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10
2-Methylnaphthalene							< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10
2-Methylphenol (o-cresol)	10	nc	nc				< 10	na	< 10	< 10	< 10																						< 10	na	< 10
4-Methylphenol (m&p-cresol)	10	nc	nc				< 10	na	< 10	< 10	< 10																						< 10	na	< 10
Cresol (o,m,p)	10	nc	nc				< 20	< 10	< 20	< 20	< 20																						< 20	< 10	< 20
Naphthalene	20	nc	nc				< 10	< 10	< 10	< 10	< 10																						< 10	< 10	< 10
Metals, Method 6010B/7470A				na	na																	na														na
Barium	2,000	nc	nc			< 2.0	10	< 200	na	81	31	< 20	< 30	< 20	< 20	25.8	< 20	395	na	na		na										< 2	280	220	
Cadmium	5	7.8	51			< 4.0	na	na	na	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	na	na		na										< 4	na	na	
Chromium	100	47	310			< 3.0	< 10	na	na	17	< 10	< 10	25	< 10	44.7	14.5	< 10	1,320	3,810	< 10		na										< 3	< 10	na	
Copper	1,300	630	4,090			na	30	< 25	na	53	40	< 10	67	14	28.6	< 10	< 10	158	na	na		na										na	< 20	50	
Lead	15	15	15			< 19	< 25	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15.4	< 10	< 10		na										< 19	< 25	na	
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			na	140	110	na	210	179	124	136	75.9	164	97	100.0	1120	na	na		47.3										na	80	60	
Zinc	2,000	4,700	nc			na	50	30	na	58	< 20	23.3	42	< 20	21	20.5	< 20	130	na	na		na										na	30	120	

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

| Parameter | Concentration, ug/L | | |

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																				
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-3R 45 to 55 ft bg																				MW-4 31 to 41 ft bg												MW-4a 36 to 46 ft bg	
				Feb-00	Apr-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	May-88	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	May-05
Volatile Organics, Method 8260						ns[a]	ns																									ns	ns		
Acetone	4,000	nc[g]	nc	< 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			< 20	< 50
Benzene	5	4.4	8.7	< 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			< 5	< 5
Bromodichloromethane	100	nc	nc	< 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			< 5	< 5
2-Butanone	2,000	nc	nc	< 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			< 10	< 50
n-Butylbenzene	5	626	4,088	< 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	11	< 5	na		na	na
sec-Butylbenzene	5	626	4,088	< 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	< 5	na		na	na
Carbon disulfide	4,000	nc	nc	< 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			< 5	< 5
Carbon Tetrachloride	5	4.9	10													< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0														
Chlorobenzene	100	27	136	< 5	< 5			< 5	< 5	< 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			< 5	18
Chloroethane	10	nc	nc	< 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			< 10	< 10
Chloroform	100	nc	nc	< 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			< 5	< 5
Chloromethane																< 10	< 10	< 10	< 10	< 10	< 10	< 10														
1,2-Dibromoethane																< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0														
Dibromochloromethane	100	nc	nc	< 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			< 5	< 5
1,2-Dichlorobenzene	600	nc	nc	< 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			61	630
1,3-Dichlorobenzene	600	nc	nc	< 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			16	220
1,4-Dichlorobenzene	75	35	73	< 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			9.4	150
Dichlorodifluoromethane																< 10	< 10	< 10	< 10	< 10	< 10	< 10														
1,1-Dichloroethane	4,000	nc	nc	< 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			< 5	< 5
1,2-Dichloroethane	5	1.6	2.9	< 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			< 5	< 5
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	< 5.0	< 5.0	< 5.0	< 5	< 200	22	< 2	9	4 J	17	12	17			< 5	< 5
cis-1,2-Dichloroethene	70	156	1,020	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			10,000	16,000
trans-1,2-Dichloroethene	100	32	161	< 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			44	120
Total 1,2-Dichloroethene[b]	105	192	1,160	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			10,044	16,120
1,2-Dichloropropane																< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0														
Ethylbenzene	700	nc	nc	< 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			< 5	8.1
Freon-113																< 10	< 10	< 10	< 10	< 10	< 10	< 10														
Isopropylbenzene	5	207	nc	< 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			< 5	14
p-Isopropyl toluene	5	200	1,010	< 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			na	na
Methylene chloride	5	nc	nc	< 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			< 5	< 5
4-Methyl-2-pentanone																< 10	< 10	< 10	< 10	< 10	< 10	< 10														
Naphthalene	20	nc	nc	< 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			na	na
Styrene	100	nc	nc	< 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			< 5	< 5
1,1,2,2-Tetrachloroethane																< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0														
Tetrachloroethene	5	1.3	3.9	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			5.3	24
Toluene	1,000	nc	nc	< 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			< 5	< 5
1,2,4-Trichlorobenzene	70	nc	nc													< 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	< 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			< 5	< 5
1,1,2-Trichloroethane	5	nc	nc	< 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			< 5	< 5
Trichloroethene	5	18	35	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			12	29
Trichlorofluoromethane	2,000	nc	nc	< 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	< 200	< 200	na	< 1,000	< 0.22	< 5	< 5	< 5	na			< 5	< 5
1,2,4-Trimethylbenzene				< 5	na			na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	na	23	43	45	na			na	na
1,3,5-Trimethylbenzene				< 5	na			na			na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 1,000	na	< 5	< 5	< 5	na			na	na
Vinyl Chloride	2	1.1	3.3	< 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			5.4	6.1
m&p-Xylene	nc	nc	nc	< 5	na			< 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			< 10	< 10
o-Xylene	nc	nc	nc	< 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	< 500	na	27	71	63	na			< 5	31
Total Xylene	10,000	nc	nc	< 5	< 5			< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	na	na	na	520	< 500	110	27	78	69	71			< 15	31
Semi-Volatile Organics, Method 8270					na	ns	ns	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na						na	ns	ns	na	na
1,2-Dichlorobenzene	600	nc	nc	NASV																						1,100	370	291	NASV	NASV					
1,3-Dichlorobenzene	600	nc	nc	NASV																						380	100	148	NASV	NASV					
1,4-Dichlorobenzene	75	nc	nc	NASV																						300	74	60	NASV	NASV					
2,4-Dimethylphenol	700	nc	nc	< 10																						< 100	< 10	< 10	< 10	< 10					
Bis(2-Ethylhexyl)phthalate	6	nc	nc	< 10																						< 100	< 10	< 10	< 10	< 10					
2-Methylnaphthalene				< 10																						< 100	< 10	< 10	< 10	< 10					
2-Methylphenol (o-cresol)	10	nc	nc	< 10																						< 100	na	< 10	< 10	< 10					
4-Methylphenol (m&p-cresol)	10	nc	nc	< 10																						< 100	na	< 10	< 10	< 10					
Cresol (o,m,p)	10	nc	nc	< 20																						< 200	< 10	< 20	< 20	< 20					
Naphthalene	20	nc	nc	< 10																						< 100	11	< 10	< 10	< 10					
Metals, Method 6010B/7470A						ns	ns					na	na	na	na	na	na	na	na	na	na	na	na	na	na							ns	ns		
Barium	2,000	nc	nc	186	32.8			21.6	48.5	< 20	40.1															< 2	40	< 200	na	164	286	61.2			41.1	na
Cadmium	5	7.8	51	< 5	< 10			< 5	< 5	< 5	< 5															< 4	na	na	na	< 5	27	< 10			< 5	na
Chromium	100	47	310	14	< 10			< 10	17.1	< 10	< 10															< 3	< 10	na	na	16	33	< 10			< 10	< 10
Copper	1,300	630	4,090	< 20	< 10			< 10	< 10	< 10	22.5															na	< 20	< 25	na	56	354	< 10			< 10	na
Lead	15	15	15	< 10	< 10			< 10	< 10	< 10	< 10															< 19	< 25	na	na	24	62	< 10			< 10	< 10
Manganese	ne	ne	ne	na	na			na	na	na	na															na	na	na	na	na	na	na			na	na
Nickel	100	310	2,040	< 20	< 20			< 20	< 20	< 20	< 20															na	320	210	na	188	269	412			522	na
Zinc	2,000	4,700	nc	141	< 20			< 20	< 20	< 20	< 20															na	40	60	na	92	260	27.7			154	na

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																	
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-4a 36 to 46 ft bg												IW-4 44 to 49 ft bg										MW-4b 96 to 101 ft bg									
				Jul-06	Apr-07	May-07	Oct-07-Oct-0[f]	Apr-10	Oct-10	Apr-11	Oct 11 - Apr 13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	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
Volatile Organics, Method 8260							ns				ns										ns				ns									
Acetone	4,000	nc[g]	nc	< 50	< 50	< 50		< 50	< 50	< 50		< 50	< 50	< 50	< 50	< 50	560	130	< 500	< 50		< 5,000	< 50	< 50		<50	< 20	< 50	< 50	< 20	< 50	58.0	< 50	< 50	< 50
Benzene	5	4.4	8.7	< 5	< 5	< 5		< 5.0	< 5.0	< 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
Bromodichloromethane	100	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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	8.9	< 5	< 5	< 5	< 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	< 50	66.0	< 50	< 500	< 50		< 5,000	< 50	< 50		<50	100	< 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
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
Carbon disulfide	4,000	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
Carbon Tetrachloride	5	4.9	10					< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						< 500	< 5.0	< 5.0		<5.0									< 5.0
Chlorobenzene	100	27	136	13	12	< 5		7.2	8.6	7.2		5.6	5.1	< 5.0	< 5.0	< 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
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
Chloroform	100	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
Chloromethane								< 10	< 10	< 10						< 10							< 10												< 10
1,2-Dibromoethane								< 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		< 5.0	< 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
1,2-Dichlorobenzene	600	nc	nc	320	340	70		420	350	150		350	300	240	200	230	330	270	210	310		< 500	310	210		240	< 5	< 5	7.2	8.2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	600	nc	nc	120	120	22		150	130	51		160	110	100	74	130	150	120	86	190		< 500	160	85		110	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73	74	67	12		86	76	28		81	69	58	45	75	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
Dichlorodifluoromethane								< 10	< 10	< 10						< 10							< 10												< 10
1,1-Dichloroethane	4,000	nc	nc	< 5	< 5	< 5		< 5.0	6.4	< 5.0		6.8	5.8	15	19	14	< 5.0	< 5.0	< 50	< 5.0		< 500	< 5.0	12		7.1	< 5	< 5	11	12	14	9	12	8.9	13
1,2-Dichloroethane	5	1.6	2.9	< 5	< 5	< 5		< 5.0	< 5.0	< 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
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	< 50	< 5.0		< 500	< 5.0	< 5.0		<5.0	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	20,000	97,000	9,200		8,500	8,700	12,000		7,400	6,300	6,000	6,000	3,600	< 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
trans-1,2-Dichloroethene	100	32	161	100	130	69		48	87	43		48	36	29	38	25	< 5.0	130	96.0	110		< 500	61	46		47	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	20,100	97,130	9,269		8,548	8,787	12,043		7,448	6,336	6,336	6,338		< 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
1,2-Dichloropropane								< 5.0	< 5.0	< 5.0						< 5.0							< 5.0												< 5.0
Ethylbenzene	700	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
Freon-113								< 10	< 10	< 10						< 10							< 10												< 10
Isopropylbenzene	5	207	nc	9.8	9	< 5		< 5.0	< 5.0	< 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
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
Methylene chloride	5	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
4-Methyl-2-pentanone								< 10	< 10	< 10						< 10							< 10												< 10
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
Styrene	100	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
1,1,2,2-Tetrachloroethane								< 5.0	< 5.0	< 5.0						< 5.0							< 5.0												< 5.0
Tetrachloroethene	5	1.3	3.9	5.4	21	27		20	23	11		18	11	13	5.5	19.0	54	110	200	820		< 500	410	93		52	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 5.0		< 5.0	< 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
1,2,4-Trichlorobenzene	70	nc	nc					< 5.0	< 5.0	< 5.0						< 5.0						< 500	< 5.0	< 5.0											< 5.0
1,1,1-Trichloroethane	200	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
1,1,2-Trichloroethane	5	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
Trichloroethene	5	18	35	13	44	65		36	39	25		37	19	20	17	16	< 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
Trichlorofluoromethane	2,000	nc	nc	< 5	< 5	< 5		< 5.0	< 5.0	< 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
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	9.4	7	< 2		< 2.0	6.4	< 2.0		3.6	3.4	5.1	7.3	2.3	< 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
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10		< 10	< 10	< 10		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 100	< 10		< 500	< 10	< 10		<5.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-Xylene	nc	nc	nc	5.5	5.4	< 5		< 5.0	< 5.0	< 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
Total Xylene	10,000	nc	nc	5.5	5.4	< 15		< 15	< 15	< 15		< 10	< 10	< 10	< 10		< 15	9.3	< 150	< 15		< 1,000	< 15	< 15		<10	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na	ns	na	na	na	ns	na	na	na	na	na	na	na	na	na	ns	na	na	na	ns	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							ns				ns	na	na	na	na	na	na	na	na		ns				ns					na	na	na	na	na
Barium	2,000	nc	nc	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	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	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	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	46.2		na	na	na										< 10		na	na	na		na	< 10	< 10	< 10	< 10					
Manganese	ne	ne	ne	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	467	501	472		na	na	na										na		na	na	na		na	< 20	205	53.2	584					
Zinc	2,000	4,700	nc	< 20	1,920	1,360		na	na	na										77.3		na	na	na		na	< 20	< 20	88.8	28.8					

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																		
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-4b 96 to 101 ft bg												MW-5 28 to 58 ft bg																				
				Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	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
Volatile Organics, Method 8260																																			
Acetone	4,000	nc[c]	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	nr	< 2.6	< 100	< 10	na	< 100	< 100	< 5	< 100	< 20	< 20	< 20	< 50	< 20	< 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	< 5.0	nr	< 0.3	< 2	0.22	< 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
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	< 10	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	nr	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 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		nr	na	< 10	na	< 5	< 5	< 5	na	< 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		nr	na	< 10	na	< 5	< 5	< 5	na	< 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	7.7	<5.0	< 5.0	nr	na	< 10	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	4.9	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0																				< 5.0	< 5.0	< 5.0
Chlorobenzene	100	27	136	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	< 0.60	< 10	< 0.25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	nr	< 1.3	< 5	< 0.37	< 10	< 10	< 10	< 5	< 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	< 5.0	nr	< 0.7	< 2	< 0.19	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane				< 10	< 10	< 10	< 10	< 10	< 10					< 10																				< 10	< 10	< 10
1,2-Dibromoethane				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0					< 5.0																				< 5.0	< 5.0	< 5.0
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	< 0.6	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-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	nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane				< 10	< 10	< 10	< 10	< 10	< 10					< 10																				< 10	< 10	< 10
1,1-Dichloroethane	4,000	nc	nc	9.2	7.7	5.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	< 0.8	< 2	< 0.15	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	nr	< 0.5	< 2	< 0.12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	< 5.0	nr	< 0.9	< 2	< 0.48	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	15	62	37	7	25	15	< 5.0	< 5.0	5.7	<5.0	< 5.0	nr	na	2	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	< 5.0	nr	na	< 2	< 0.23	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	20	67	42	12	30	20	< 10	< 10	< 10	< 10		nr	< 1.3	4	< 0.23	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dichloropropane				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0					< 5.0																				< 5.0	< 5.0	< 5.0
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	nr	< 1.0	< 2	0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Freon-113				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10																				< 10	< 10	< 10
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	nr	na	< 10	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	5	200	1,010	na	na	na	na	na	na	na	na	na	na		nr	na	< 10	na	< 5	< 5	< 5	na	< 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	< 5.0	nr	< 2.8	< 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
4-Methyl-2-pentanone				< 10	< 10	< 10	< 10	< 10	< 10					< 10																				< 10	< 10	< 10
Naphthalene	20	nc	nc	na	na	na	na	na	na	na	na	na	na		nr	na	< 10	NAV	< 5	< 5	< 5	na	< 5	na	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	< 5.0	nr	< 0.4	< 5	0.32	< 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
1,1,2,2-Tetrachloroethane				< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	< 0.9	< 2	0.38	< 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
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	nr	< 0.9	< 2	0.46	< 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
1,2,4-Trichlorobenzene	70	nc	nc	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	< 0.4	< 2	< 0.25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	nr	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	< 0.6	2	0.49	< 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
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	nr	na	< 10	< 0.22	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene				na	na	na	na	na	na	na	na	na	na		nr	na	< 10	na	< 5	< 5	< 5	na	25	na	na					na	na	na	na	na	na	na
1,3,5-Trimethylbenzene				na	na	na	na	na	na	na	na	na	na		nr	na	< 10	na	< 5	< 5	< 5	na	8	na	na					na	na	na	na	na	na	na
Vinyl Chloride	2	1.1	3.3	9.7	9.7	13	< 2.0	2.1	18	< 2.0	< 2.0	4.2	<5.0	< 2.0	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
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10	< 10	< 10	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	nr	na	< 5	na	< 5	< 5	< 5	na	< 10	< 5	< 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	< 5.0	nr	na	< 5	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	10,000	nc	nc	< 15	< 15	< 15	< 15	< 15	<10	< 10	< 10	< 10	< 10		nr	< 0.2	< 5	1.38	< 5	< 5	< 5	< 5	< 15	< 5	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	nr	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														
1,3-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														< 10	< 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	na	na	nr																				
Barium	2,000	nc	nc													< 2	< 10	< 200	na	25	< 20	39.4	< 20	< 20	< 20	< 20	< 20	< 20								
Cadmium	5	7.8	51													< 4	na	na	na	6	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5								
Chromium	100	47	310													< 3	< 10	na	na	< 10	< 10	< 10	< 10	< 10	< 10	10.5	23.5	< 10								
Copper	1,300	630	4,090													na	< 20	< 25	na	< 20	< 20	39.6	< 20	< 10	< 10	< 10	< 10	< 10								
Lead	15	15	15													< 19	< 25	na	na	< 10	< 10	12.1	< 10	< 10	< 10	< 10	< 10	< 10								
Manganese	ne	ne	ne													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								
Zinc	2,000	4,700	nc													na	< 20	70	na	47	< 20	44.3	< 20	< 20	< 20	< 20	< 20	< 20								

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																	
	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-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	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14
Volatile Organics, Method 8260																																		
Acetone	4,000	nc[c]	nc	< 50	< 50	< 50	< 50	na	69	< 500	56	na	< 100	< 100	< 5	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7	< 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	5.6	7.6	9.2	7.5	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	100	nc	nc	< 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	< 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	na	22 E	< 500	< 10	na	< 100	< 100	< 10	< 100	< 10	< 10	< 10	< 50	< 10	< 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	< 50	na	< 5	< 5	< 5	na	< 5	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	< 50	na	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	< 5.0	< 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	< 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
Chlorobenzene	100	27	136	< 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	36	67	75.0	84.0	20	6	9.7	16
Chloroethane	10	nc	nc	< 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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane				< 10	< 10	< 10	< 10																		< 10	< 10	< 10	< 10	< 10	< 10	< 10			
1,2-Dibromoethane				< 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	< 5.0	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 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	< 5.0	< 5.0	< 5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 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	< 5.0	6.4	8.6	9.6	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73	< 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	6.0	10	11	13	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane				< 10	< 10	< 10	< 10																		< 10	< 10	< 10	< 10	< 10	< 10	< 10			
1,1-Dichloroethane	4,000	nc	nc	< 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	< 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	< 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	< 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	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	< 5.0	< 5.0	< 5.0	< 5.0	na	na	550	na	873	739	399	na	480	140	82	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 5.0	6.2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	12	< 5.0
trans-1,2-Dichloroethene	100	32	161	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[b]	105	192	1,160	< 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	11.2	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dichloropropane				< 5.0	< 5.0	< 5.0	< 5.0																		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			
Ethylbenzene	700	nc	nc	< 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	18	46	59	57	5.2	< 5.0	< 5.0	10
Freon-113				< 10	< 10	< 10	< 10																		< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 50	na	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	7.3	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyl toluene	5	200	1,010	na	na	na	na	na	na	< 50	na	< 5	< 5	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Methylene chloride	5	nc	nc	< 5.0	< 5.0	< 5.0	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone				< 10	< 10	< 10	< 10																		< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Naphthalene	20	nc	nc	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	na	na	na	na	na	na	na
Styrene	100	nc	nc	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane				< 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	< 5.0	< 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	< 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	< 200	9.1	< 10	8.4	5	5	< 5	< 5	< 5	< 5	< 5	< 5	7.3	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	70	nc	nc	< 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	< 5.0	< 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	< 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	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	< 5.0	< 5.0	< 5.0	< 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	< 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	< 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	< 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	< 50	na	24	20	14	na	21	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	< 50	na	6	5	< 5	na	5	na	na				na	na	na	na	na	na	na	na	na	na	na	na	na	na
Vinyl Chloride	2	1.1	3.3	< 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	< 2.0	< 2.0	< 2.0	<2.0	<2.0	< 2.0	< 2.0	< 2.0
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10	< 5.0	na	na	46	na	209	252	164	na	229	56	130	80	190	< 10	< 10	16.0	< 10	< 10	84	310	25	190	170	120 J	< 5.0	< 5.0	< 5.0	12
o-Xylene	nc	nc	nc	< 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	15	60	63	51	< 5.0	< 5.0	< 5.0	5.1
Total Xylene	10,000	nc	nc	< 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	40	250	233	171	<10	< 10	< 10	17.1
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
1,2-Dichlorobenzene	600	nc	nc							30	33	49	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							23	32	99	34	< 10																					
Bis(2-Ethylhexyl)phthalate	6	nc	nc							< 10	< 10	< 10	< 10	< 10																					
2-Methylnaphthalene										< 10	14	14	< 10	< 10																					
2-Methylphenol (o-cresol)	10	nc	nc							54	na	104	30	< 10																					
4-Methylphenol (m&p-cresol)	10	nc	nc							< 10	na	93	< 10	< 10																					
Cresol (o,m,p)	10	nc	nc							54	140	197	30	< 20																					
Naphthalene	20	nc	nc							< 10	62	59	< 10	< 10																					
Metals, Method 6010B/7470A				na	na	na	na	na				na										na	na	na	na	na	na	na	na	na	na	na	na	na
Barium	2,000	nc	nc						< 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		< 5	6	< 10	< 5	< 5	7	< 5	< 5	< 5													
Chromium	100	47	310						< 3	< 10	na		< 10	< 10	< 10	< 10	< 10	17.4	< 10	< 10	< 10													
Copper	1,300	630	4,090						na	< 20	< 25		< 20	< 20	< 10	< 20	< 10	25.2	< 10	< 10	< 10													
Lead	15	15	15						< 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													
Nickel	100	310	2,040						na	40	80		80	62	39.1	100	< 20	61.1	< 20	65.1	< 20													
Zinc	2,000	4,700	nc						na	< 20	50		95	94	< 20	< 20	< 20	138	< 20	< 20	< 20													

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																					
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-6 25 to 45 ft bg		MW-7 35 to 55 ft bg											MW-7R 45 to 55 ft bg																			MW-8 35 to 55 ft bg			
				Apr-15	Oct-15	Oct-88	Jun-95	Mar-96	Nov-97	Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-08	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-88	Jun-95	Mar-96	Nov-97
Volatile Organics, Method 8260																																						
Acetone	4,000	nc[c]	nc	< 50	< 50	na	< 2.6	< 100	< 10	na	< 100	< 100	< 5	< 100	na	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	22	< 100	< 10
Benzene	5	4.4	8.7	< 5.0	< 5.0	< 5	< 0.3	< 2	0.27	< 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	1.7	< 2	1.4
Bromodichloromethane	100	nc	nc	< 5.0	< 5.0	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	< 10	< 0.19
2-Butanone	2,000	nc	nc	< 50	< 50	na	< 12.0	< 100	< 10	na	< 100	< 100	< 10	< 100		< 10	< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	na	< 12.0	< 100	< 10
n-Butylbenzene	5	626	4,088	na		na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na
sec-Butylbenzene	5	626	4,088	na		na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	na	na	< 10	< 5	na	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 10	< 5
Carbon Tetrachloride	5	4.9	10	< 5.0	< 5.0																			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						
Chlorobenzene	100	27	136	13	29	< 5	< 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	< 5	2.5	< 10	9.9
Chloroethane	10	nc	nc	< 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	< 10	< 10	< 1.3	< 5	< 0.37
Chloroform	100	nc	nc	5.9	< 5.0	1.3 J	< 0.7	< 2	0.60	< 5	< 5	< 5	< 5	10		40	45	27	38	23	29	40	25	21	19	19	20	19	17	22	12	3.1 J	9.8	< 2	1
Chloromethane					< 10																			< 10	< 10	< 10	< 10	< 10	< 10	< 10				
1,2-Dibromoethane					< 5.0																			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0				
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5	< 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	< 5	< 0.6	< 10	< 5
1,2-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	180	NAV
1,3-Dichlorobenzene	600	nc	nc	< 5.0	< 5.0	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	120	NAV
1,4-Dichlorobenzene	75	35	73	< 5.0	6.4	< 5	na	< 10	NAV	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	na	62	NAV
Dichlorodifluoromethane					< 10																			< 10	< 10	< 10	< 10	< 10	< 10	< 10				
1,1-Dichloroethane	4,000	nc	nc	< 5.0	< 5.0	< 5	< 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	< 5	92	12	120
1,2-Dichloroethane	5	1.6	2.9	< 5.0	< 5.0	< 5	< 0.5	< 2	< 0.12	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	3.9	< 2	2.9
1,1-Dichloroethene	7	103	524	< 5.0	< 5.0	< 5	< 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	< 5	26	12	17
cis-1,2-Dichloroethene	70	156	1,020	< 5.0	< 5.0	na	na	5	na	< 5	< 5	< 5	na	24		< 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	14,000	na
trans-1,2-Dichloroethene	100	32	161	< 5.0	< 5.0	< 5	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	< 5	na	200	170
Total 1,2-Dichloroethene[b]	105	192	1,160	< 10		< 5	4.5 E	7	< 0.23	< 10	< 10	< 10	< 10	29		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	21,000	14200	170
1,2-Dichloropropane					< 5.0																			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0				
Ethylbenzene	700	nc	nc	8.1	21.0	< 5	< 1.0	< 2	< 0.34	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	2.6 E	< 2	1.3
Freon-113					< 10																			< 10	< 10	< 10	< 10	< 10	< 10	< 10				
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	na	na	< 10	na	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 10	na
p-Isopropyl toluene	5	200	1,010	na		na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na
Methylene chloride	5	nc	nc	< 5.0	< 5.0	< 7.1	6.9 E	< 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	11 B	7.5 E	< 5	< 5
4-Methyl-2-pentanone					< 10																			< 10	< 10	< 10	< 10	< 10	< 10	< 10				
Naphthalene	20	nc	nc	na		na	na	< 10	NAV	< 5	< 5	< 5	na	< 5		na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	NAV
Styrene	100	nc	nc	< 5.0	< 5.0	na	< 0.4	< 5	< 0.13	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	< 0.4	< 5	< 0.13
1,1,2,2-Tetrachloroethane					< 5.0																			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0				
Tetrachloroethene	5	1.3	3.9	< 5.0	< 5.0	5.5	1.7 E	< 2	0.51	< 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	790	1,800	180
Toluene	1,000	nc	nc	< 5.0	< 5.0	< 5	< 0.9	< 2	0.5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	3.5	< 2	1.8
1,2,4-Trichlorobenzene	70	nc	nc		< 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	< 0.4	< 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	< 5	3.3	7	1.4
1,1,2-Trichloroethane	5	nc	nc	< 5.0	< 5.0	< 5	< 0.9	< 2	< 0.37	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	2.8 E	< 2	1.3
Trichloroethene	5	18	35	< 5.0	< 5.0	< 5	5.1	< 2	0.62	< 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	4,600	4,500	880
Trichlorofluoromethane	2,000	nc	nc	< 5.0	< 5.0	< 5	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	< 5	na	< 10	< 0.22
1,2,4-Trimethylbenzene				na		na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na				na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na
1,3,5-Trimethylbenzene				na		na	na	< 10	na	< 5	< 5	< 5	na	< 5		na	na				na	na	na	na	na	na	na	na	na	na	na	na	na	< 10	na
Vinyl Chloride	2	1.1	3.3	< 2.0	< 2.0	< 10	< 1.7	< 10	< 0.61	< 2	< 2	< 2	< 5	< 2		< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 10	17	< 10	8
m&p-Xylene	nc	nc	nc	7.2	32.0	na	na	< 5	na	< 5	< 5	< 5	na	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	na	na	< 5	na
o-Xylene	nc	nc	nc	<5.0	11.0	na	na	< 5	na	< 5	< 5	< 5	na	< 5		< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	na	na	< 5	na
Total Xylene	10,000	nc	nc	7.2		na	0.8 E	< 5	0.76	< 5	< 5	< 5	< 5	< 15		< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	na	5.2	< 5	2.8
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
1,2-Dichlorobenzene	600	nc	nc					< 10	< 10	< 10	NASV	NASV																					140	150		
1,3-Dichlorobenzene	600	nc	nc					< 10	< 10	< 10	NASV	NASV																					< 100	49		
1,4-Dichlorobenzene	75	nc	nc					< 10	< 10	< 10	NASV	NASV																					< 100	35		
2,4-Dimethylphenol	700	nc	nc					< 10	< 10	< 10	< 10	< 10																					< 100	< 10		
Bis(2-Ethylhexyl)phthalate	6	nc	nc					20	< 10	< 10	< 10	< 10																					< 100	< 10		
2-Methylnaphthalene								< 10	< 10	< 10	< 10	< 10																					< 100	< 10		
2-Methylphenol (o-cresol)	10	nc	nc					< 10	na	< 10	< 10	< 10																					< 100	na		
4-Methylphenol (m&p-cresol)	10	nc	nc					< 10	na	< 10	< 10	< 10																					< 100	na		
Cresol (o,m,p)	10	nc	nc					< 20	< 10	< 20	< 20	< 20																					< 200	< 10		
Naphthalene	20	nc	nc					< 10	< 10	< 10	< 10	< 10																					< 10	< 10		
Metals, Method 6010B/7470A				na	na	na				na											na	na	na	na	na	na	na	na	na	na	na				
Barium	2,000	nc	nc				710	60	< 200		125	74	34.1	147	819	66.8	82.7	86.3	48.4	85.7												230	70	< 200	
Cadmium	5	7.8	51				< 4	na	na		< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5												< 4	na	na	
Chromium	100	47	310				30	< 10	na		< 10	< 10	< 10	< 10	17.6	< 10	< 10	12.7	12.4	23.3												40	< 10	na	
Copper	1,300	630	4,090				na	< 20	< 25		< 20	< 20	< 10	< 20	23.6	< 10	< 10	< 10	< 10	12.3												na	< 20	40	
Lead	15	15	15				80	< 25	na		11	< 10	< 10	10	46.2	< 10	< 10	< 10	< 10	< 10												< 19	< 25	na	
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				na	< 20	< 40		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20												na	210	880	
Zinc	2,000	4,700	nc				na	30	30		37	< 20	< 20	29	181	< 20	20.4	< 20	< 20	41.2												na	60	200	

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																							
	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		
				Dec-98	Sep-99	Feb-00	Apr-01	May-02	Sep-03	May-04	May-05	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	Apr-15	Oct-15	Dec-01	May-02	Sep-03
Volatile Organics, Method 8260																																								
Acetone	4,000	nc[c]	nc	na	< 100	< 100	< 5	< 100	< 20	< 20	< 50	< 50	250	93	< 50	< 50	260 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 20
Benzene	5	4.4	8.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
Bromodichloromethane	100	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
2-Butanone	2,000	nc	nc	na	< 100	< 100	< 10	< 100	< 10	< 10	< 5	< 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
n-Butylbenzene	5	626	4,088	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na
sec-Butylbenzene	5	626	4,088	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na
Carbon disulfide	4,000	nc	nc	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	33	< 5
Carbon Tetrachloride	5	4.9	10																	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			
Chlorobenzene	100	27	136	7	11	16	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	473	218	380
Chloroethane	10	nc	nc	< 10	< 10	< 10	< 5	< 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	< 5	< 5	< 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	< 5.0	< 5	< 5	< 5
Chloromethane																				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
1,2-Dibromoethane																				< 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	< 5	< 5	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	< 5.0	< 5.0	< 5	< 5	26
1,2-Dichlorobenzene	600	nc	nc	280	339	374	na	17	170	160	75	110	130	66	68	76	16 J	48	42	20	54	71.0	68	49	78	54	77	23	53	68	59	19	35	58	24
1,3-Dichlorobenzene	600	nc	nc	81	92	129	na	< 5	58	47	26	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	16	6.3	33	26	37
1,4-Dichlorobenzene	75	35	73	50	60	79	na	< 5	37	30	16	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	13	< 5.0	49	38	56
Dichlorodifluoromethane																				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10			
1,1-Dichloroethane	4,000	nc	nc	106	117	36	< 5	46	55	43	20	44	59	39	38	73	47	48	32	14	37	44.0	53	41	83	43	89	22	32	37	38	11	< 5	< 5	< 5
1,2-Dichloroethane	5	1.6	2.9	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
1,1-Dichloroethene	7	103	524	16	16	8	< 5	< 5	6.1	< 5	< 5	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	< 5.0	< 5	< 5	< 5
cis-1,2-Dichloroethene	70	156	1,020	13,300	18,700	11,200	na	7,020	9,100	8,100	3,400	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	4,600	1,100	51	52	130
trans-1,2-Dichloroethene	100	32	161	111	154	92	na	23	90	59	27	60	< 5	< 5	33	32	38	50	36	12	39	46	42	32	63	27	68	15	28	28	34	9.4	< 5	< 5	< 5
Total 1,2-Dichloroethene[b]	105	192	1,160	13411	18854	11,292	1,900	7043	9,190	8,159	3,427	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	4,634		56	57	135
1,2-Dichloropropane																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0					< 5.0			
Ethylbenzene	700	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	10
Freon-113																				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10			
Isopropylbenzene	5	207	nc	8	10	5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
p-Isopropyl toluene	5	200	1,010	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na
Methylene chloride	5	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
4-Methyl-2-pentanone																				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10			
Naphthalene	20	nc	nc	< 5	< 5	< 5	na	< 5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	< 5	< 5	na
Styrene	100	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0				< 5.0			
Tetrachloroethene	5	1.3	3.9	112	200	616	280	6	170	81	100	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	20	9.6	28	68	32
Toluene	1,000	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
1,2,4-Trichlorobenzene	70	nc	nc																	< 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	< 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	< 5.0	< 5.0	< 5	< 5	< 5
1,1,2-Trichloroethane	5	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
Trichloroethene	5	18	35	362	481	1,210	240	28	310	360	200	130	< 5	< 5	22	20	14	18	27	21	28	20	23	21	19	12	24	17	16	18	15	5.7	5	39	7.2
Trichlorofluoromethane	2,000	nc	nc	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5
1,2,4-Trimethylbenzene				< 5	< 5	< 5	na	< 5	na	na	na					na	na	na	na	na	na	na	na	na	na	na	na	na	na	na		< 5	< 5	na
1,3,5-Trimethylbenzene				< 5	< 5	< 5	na	< 5	na	na	na					na	na	na	na	na	na	na	na	na	na	na	na	na	na	na		< 5	< 5	na
Vinyl Chloride	2	1.1	3.3	7	13	6	< 5	< 2	< 5	< 5	< 2	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	4.8	< 2.0	< 2	< 2	< 5
m&p-Xylene	nc	nc	nc	< 5	< 5	< 5	na	< 10	< 5	< 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	< 5.0	< 10	< 10	11
o-Xylene	nc	nc	nc	< 5	< 5	< 5	na	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	< 5	5.9
Total Xylene	10,000	nc	nc	< 5	< 5	< 5	< 5	< 15	< 5	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 10	< 10	< 10	< 10		5	< 10	16.9
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
1,2-Dichlorobenzene	600	nc	nc	171	NASV	NASV																														
1,3-Dichlorobenzene	600	nc	nc	80	NASV	NASV																														
1,4-Dichlorobenzene	75	nc	nc	59	NASV	NASV																														
2,4-Dimethylphenol	700	nc	nc	12	< 10	< 10																														
Bis(2-Ethylhexyl)phthalate	6	nc	nc	< 10	< 10	< 10																														
2-Methylnaphthalene				< 10	< 10	< 10																														
2-Methylphenol (o-cresol)	10	nc	nc	< 10	< 10	< 10																														
4-Methylphenol (m&p-cresol)	10	nc	nc	< 10	< 10	< 10																														
Cresol (o,m,p)	10	nc	nc	< 20	< 20	< 20																														
Naphthalene	20	nc	nc	< 10	< 10	< 10																														
Metals, Method 6010B/7470A																			na					na		na					na					
Barium	2,000	nc	nc	na	75	165	36.3	521	26.4	40.3	na	63.8	< 20	46	< 20	< 20f	na		na	0.0	0.0	0.0	0.0		na		na	na	na		na		402	63	< 20
Cadmium	5	7.8	51	na	< 5	< 5	< 10	69	< 5	< 5	na	< 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
Chromium	100	47	310	na	< 10	29	< 10	154	< 10	44.0	< 10	< 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
Copper	1,300	630	4,090	na	< 20	79	26.1	705	19.6	32.4	na	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
Lead	15	15	15	na	13	25	11.7	107	23.5	21.8	16.8	18.4	20.4	< 10	< 10	< 10	12.1		na	na	na	na	na		na		na	na	na		na		28	< 10	< 10
Manganese	ne	ne	ne	na	na	na	na	na	na	na	na	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
Nickel	100	310	2,040	na	879	679	226	989	1,140	1,380	na	1,070	482	301	1,130	857	na		788	na	na	na	na		na		na	na	na		na		96	55	41.7
Zinc	2,000	4,700	nc	na	119	314	124	1,130	265	312	na	249	91	85.4	372	156	na		na	na	na	na	na		na		na	na	na		na		222	37	< 20

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																		
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-9a 17 to 27 ft bg												MW-9b 53.5 to 58.5 ft bg																MW-10 24 to 34 ft bg				
				May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	pr 10 - Oct 1	Mar-15	Apr-15	Oct-15	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09	Oct-09	pr 10 - Oct 1	Mar-15	Apr-15	Oct-15	Dec-01	May-02	Sep-03	May-04	Jul-06
Volatile Organics, Method 8260												ns														ns						na		
Acetone	4,000	nc[c]	nc	< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100	< 20	< 20	< 20	< 50	< 20	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100		< 20	< 20
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	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 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	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
2-Butanone	2,000	nc	nc	< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100	< 10	< 10	< 10	< 50	< 10	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100		< 10	< 10
n-Butylbenzene	5	626	4,088	na	na	na	na	na	na	na	na		na	na		< 5	7	na	na	na	na	na	na	na	na		na	na		< 5	< 5		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		< 5	< 5		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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	13		< 5	< 5
Carbon Tetrachloride	5	4.9	10												< 5.0															< 5.0					
Chlorobenzene	100	27	136	490	400	270	220	180	370	110	18		69	150	170	203	455	300	300	270	480	120	100	250	220	250		280	230	200	< 5	< 5		< 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
Chloroform	100	nc	nc	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		15	8.7	< 5.0	17	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
Chloromethane															< 10															< 10					
1,2-Dibromoethane															< 5.0															< 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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
1,2-Dichlorobenzene	600	nc	nc	73	60	74	20	15	46	18	< 5.0		< 5.0	9.3	15	10	20	26	56	41	18	7	5.8	12.0	8.5	7.1		< 5.0	<5.0	18.0	< 5	< 5		< 5	< 5
1,3-Dichlorobenzene	600	nc	nc	44	42	30	33	18	55	18	< 5.0		8	14	26	13	33	17	18	14	31	11	8	17	18.0	19		31	23	32	< 5	< 5		< 5	< 5
1,4-Dichlorobenzene	75	35	73	64	57	43	47	25	76	27	< 5.0		10	22	34	23	54	28	35	24	50	18	13	28	30.0	28		42	36	41	< 5	< 5		< 5	< 5
Dichlorodifluoromethane															< 10															< 10					
1,1-Dichloroethane	4,000	nc	nc	< 20	< 5	< 5	< 5	< 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	< 5		< 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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
cis-1,2-Dichloroethene	70	156	1,020	38	34	23	75	17	15	7.8	5.5		< 5	<5.0	< 5.0	222	334	1,000	1,500	1,100	200	56	10	13	16	< 5		< 5	< 5.0	< 5.0	< 5	< 5		< 5	< 5
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	< 5	5.8	12	10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
Total 1,2-Dichloroethene[b]	105	192	1,160	43	39	28	80	22	20	12.8	10.5		< 10	<5.0		227	339	1005.8	1,512	1,110	205	61	15	18	21	< 10		< 10	< 10		< 10	< 10		< 10	< 10
1,2-Dichloropropane															< 5.0															< 5.0					
Ethylbenzene	700	nc	nc	6	< 5	5.5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	37	64	85	< 5	< 5	31	35	14	30	20.0	22		50	31	< 5.0	< 5	< 5		< 5	< 5
Freon-113															< 10															< 10					
Isopropylbenzene	5	207	nc	< 5	< 5	6.1	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	7	6.5	< 5.0	< 5.0	< 5.0	< 5.0		5.8	< 5.0	< 5.0	< 5	< 5		< 5	< 5
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		< 5	< 5		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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
4-Methyl-2-pentanone															< 10															< 10					
Naphthalene	20	nc	nc	na	na	na	na	na	na	na	na		na	na		14	19	na	na	na	na	na	na	na	na		na	na		< 5	< 5		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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
1,1,2,2-Tetrachloroethane															< 5.0															< 5.0					
Tetrachloroethene	5	1.3	3.9	28	14	26	< 5	24	15.0	57.0	90		31	16	< 5.0	17	9	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 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	5	9	< 5	< 5	6.2	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
1,2,4-Trichlorobenzene	70	nc	nc												< 5.0															< 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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
Trichloroethene	5	18	35	10	7.8	12	9	< 5.0	11.0	11.0	5.2		< 5.0	<5.0	5.3	7	7	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	27	12		12	<5.0	< 5.0	< 5	< 5		< 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	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
1,2,4-Trimethylbenzene				na				na	na	na	na		na	na		13	26	na	na				na	na	na	na		na	na		< 5	8		na	
1,3,5-Trimethylbenzene				na				na	na	na	na		na	na		< 5	8	na	na				na	na	na	na		na	na		< 5	< 5		na	
Vinyl Chloride	2	1.1	3.3	< 5	< 5	< 2	< 2	3.7	< 2	< 2	< 2		< 2.0	< 2.0	< 2.0	3	7	10	15	< 5	2.8	24	6.7	7.7	9.1	2.8		2.8	<2.0	< 2.0	< 2	< 2		< 5	< 5
m&p-Xylene	nc	nc	nc	18	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 5.0	40	66	200	< 10	< 10	13	21	< 10	< 10	< 10	< 10		150	45	< 5.0	< 10	< 10		< 10	< 10
o-Xylene	nc	nc	nc	7.5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	33	65	120	24	22	7.2	12	< 5.0	< 5.0	< 5.0	< 5.0		45	17	< 5.0	< 5	< 5		< 5	< 5
Total Xylene	10,000	nc	nc	25.5	< 10	< 15	< 15	< 15	< 15	< 15	< 15		< 15	< 15		73	131	320	24	22	20.2	33	< 15	< 15	< 15	< 15		195	< 15		< 10	< 10		< 10	< 10
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	ns	na	na		na	na	na	na	na	na	na	na	na	na	na	ns	na	ns	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	ns	na	na	na										na	na	ns	na	ns	na					
Barium	2,000	nc	nc	25.9	< 20	< 20	27.1									55	40	276	143	140	34.1	49.7	na	na							57	25	20.3	30.1	31.1
Cadmium	5	7.8	51	< 5	< 5	< 5	< 5									< 5	< 5	na	< 5	< 5	< 5	< 5	na	na							< 5	< 5	< 5	< 5	< 5
Chromium	100	47	310	< 10	< 10	< 10	< 10									< 10	< 10	30.2	25.7	68.9	21.9	307	na	na							< 10	< 10	< 10	11.3	< 10
Copper	1,300	630	4,090	< 10	< 10	< 10	< 10									< 20	< 20	53.8	25.6	18.7	< 10	13	na	na							< 20	< 20	< 10	12.5	< 10
Lead	15	15	15	< 10	< 10	< 10	< 10									< 10	< 10	19.6	25.1	15.7	< 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
Nickel	100	310	2,040	45.6	28.3	32.4	46.9									123	125	547	3,530	3,000	176	389	na	na							33	< 20	< 20	24.7	< 20
Zinc	2,000	4,700	nc	< 20	< 20	< 20	< 20									34	< 20	207	265	140	57.6	43	na	na							35	< 20	< 20	26.2	< 20

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																	
	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																	
				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
Volatile Organics, Method 8260																																		
Acetone	4,000	nc[c]	nc	< 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
Benzene	5	4.4	8.7	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 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
Bromodichloromethane	100	nc	nc	< 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
2-Butanone	2,000	nc	nc	< 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
n-Butylbenzene	5	626	4,088	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
sec-Butylbenzene	5	626	4,088	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
Carbon disulfide	4,000	nc	nc	< 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
Carbon Tetrachloride	5	4.9	10							< 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
Chlorobenzene	100	27	136	< 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
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
Chloroform	100	nc	nc	< 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
Chloromethane										< 10	< 10	< 10	< 10	< 10	< 10	< 10														< 10	< 10	< 10	< 10	< 10		
1,2-Dibromoethane										< 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	< 5.0	< 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
1,2-Dichlorobenzene	600	nc	nc	< 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
1,3-Dichlorobenzene	600	nc	nc	< 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
1,4-Dichlorobenzene	75	35	73	< 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
Dichlorodifluoromethane										< 10	< 10	< 10	< 10	< 10	< 10	< 10														< 10	< 10	< 10	< 10	< 10		
1,1-Dichloroethane	4,000	nc	nc	< 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
1,2-Dichloroethane	5	1.6	2.9	< 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
1,1-Dichloroethene	7	103	524	< 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
cis-1,2-Dichloroethene	70	156	1,020	< 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
trans-1,2-Dichloroethene	100	32	161	< 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
Total 1,2-Dichloroethene[b]	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	11.9	61	< 10	74	15	13.9	< 10	50
1,2-Dichloropropane										< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0														< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		
Ethylbenzene	700	nc	nc	< 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
Freon-113										< 10	< 10	< 10	< 10	< 10	< 10	< 10														< 10	< 10	< 10	< 10	< 10		
Isopropylbenzene	5	207	nc	< 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
p-Isopropyl toluene	5	200	1,010	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
Methylene chloride	5	nc	nc	< 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
4-Methyl-2-pentanone										< 10	< 10	< 10	< 10	< 10	< 10	< 10														< 10	< 10	< 10	< 10	< 10		
Naphthalene	20	nc	nc	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
Styrene	100	nc	nc	< 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
1,1,2,2-Tetrachloroethane										< 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	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	< 5.0	5.7
Toluene	1,000	nc	nc	< 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
1,2,4-Trichlorobenzene	70	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		
1,1,1-Trichloroethane	200	nc	nc	< 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
1,1,2-Trichloroethane	5	nc	nc	< 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
Trichloroethene	5	18	35	< 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
Trichlorofluoromethane	2,000	nc	nc	< 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
1,2,4-Trimethylbenzene						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
1,3,5-Trimethylbenzene						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
Vinyl Chloride	2	1.1	3.3	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
m&p-Xylene	nc	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 10	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0	< 5.0
o-Xylene	nc	nc	nc	< 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
Total Xylene	10,000	nc	nc	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 15	< 5	< 15	< 15	< 15	5.6	< 15	5.4	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10
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
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
Barium	2,000	nc	nc	31	39.4												118	192	66.9	57.5	131	54.3	194													
Cadmium	5	7.8	51	< 5	< 5												< 5	< 5	< 5	< 5	< 5	< 5	< 5													
Chromium	100	47	310	< 10	< 10												14	31	< 10	< 10	< 10	< 10	43.6													
Copper	1,300	630	4,090	< 10	< 10												< 20	31	< 10	< 10	< 10	< 10	19.4													
Lead	15	15	15	< 10	< 10												< 10	< 10	< 10	< 10	< 10	< 10	< 10													
Manganese	ne	ne	ne	na	na												na	na	na	na	na	na	na													
Nickel	100	310	2,040	< 20	29.3												83	66	62.5	49.7	37.9	35.2	76.1													
Zinc	2,000	4,700	nc	45.7	37.6												36	67	< 20	< 20	< 20	< 20	99.9													

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																				
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-11 28 to 38 ft bg				MW-12 36 to 46 ft bg																										MW-13a 35 to 50 ft bg				
				Apr-14	Oct-14	Apr-15	Oct-15	Dec-01	May-02	Sep-03	May-04	Jul-06	Apr-07	May-07	Oct-07	Apr-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	Apr-15	Oct-15	Dec-01	May-02	Sep-03	May-04	Jul-06
Volatile Organics, Method 8260									ns													ns		ns							ns					
Acetone	4,000	nc[g]	nc	< 50	< 50	< 50	< 50	< 100		< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100		< 20	< 20
Benzene	5	4.4	8.7	< 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	< 5		< 5	< 5
Bromodichloromethane	100	nc	nc	< 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	< 5		< 5	< 5
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 100		< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100		< 10	< 10
n-Butylbenzene	5	626	4,088	na	na	na		< 5		na	na	na	na	na	na	na	na	na	na	na	na		na		na	na	na		< 5	< 5		na	na
sec-Butylbenzene	5	626	4,088	na	na	na		13		na	na	na	na	na	na	na	na	na	na	na	na		na		na	na	na		< 5	< 5		na	na
Carbon disulfide	4,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5		< 5	< 5
Carbon Tetrachloride	5	4.9	10	< 30	< 30	< 30	< 5.0												< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0								
Chlorobenzene	100	27	136	30	150	57	71	13		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5		< 5	< 5
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
Chloroform	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5		15	12			
Chloromethane							< 10												< 10	< 10	< 10		< 10		< 10			< 10								
1,2-Dibromoethane							< 5.0												< 5.0	< 5.0	< 5.0		< 5.0		< 5.0			< 5.0								
Dibromochloromethane	100	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5		< 5	< 5
1,2-Dichlorobenzene	600	nc	nc	< 5.0	10	5.0	< 5.0	63		41	28	15	22	16	36	17	21	12	5.6	8.5	10.0		11		7.4	< 5.0	< 5.0	< 5.0	6.9	< 5		< 5	< 5		< 5	< 5
1,3-Dichlorobenzene	600	nc	nc	< 5.0	7.5	<5.0	5.1	13		11	7	< 5	6	< 5	8.7	< 5.0	6.4	< 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
1,4-Dichlorobenzene	75	35	73	< 5.0	16	8.0	9.1	11		7.6	< 5	< 5	< 5	< 5	6.4	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
Dichlorodifluoromethane							< 10												< 10	< 10	< 5.0		< 10		< 10			< 10								
1,1-Dichloroethane	4,000	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	< 5		11	< 5	5.9	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	6.4	< 5.0		< 5.0		< 5.0	5.0	5.0	6.2	<5.0	< 5.0	< 5	< 5		< 5	< 5
1,2-Dichloroethane	5	1.6	2.9	< 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	< 5		< 5	< 5
1,1-Dichloroethene	7	103	524	< 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	< 5		< 5	< 5
cis-1,2-Dichloroethene	70	156	1,020	23	130	23	30	3,830		120	990	390	1,200	1,400	2,000	180	170	120	23	360	200		140		110	49	21	32	21	46	< 5	< 5		< 5	< 5
trans-1,2-Dichloroethene	100	32	161	< 5.0	< 5.0	< 5.0	< 5.0	27		< 5	6.6	< 5	9	9.6	13	< 5.0	< 5.0	< 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
Total 1,2-Dichloroethene[h]	105	192	1,160	23	130	23		3,857		125	996.6	395	1209	1410	2013	185	175	125	28	365	205		145		115	54	21	32	21		< 10	< 10		< 10	< 10
1,2-Dichloropropane							< 5.0												< 5.0	< 5.0	< 5.0		< 5.0		< 5.0				< 5.0							
Ethylbenzene	700	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	24		13	11	5.8	< 5	< 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	< 5		< 5	< 5
Freon-113							< 10												< 10	< 10	< 10		< 10		< 5.1				< 10							
Isopropylbenzene	5	207	nc	< 5.0	< 5.0	< 5.0	< 5.0	53		67	38	38	31	18	21	20	17.0	23	9	26	13		< 5.0		6.3	10.0	11	7.8	9.4	11.0	< 5	< 5		< 5	< 5
p-Isopropyl toluene	5	200	1,010	na	na	na		18		na	na	na	na	na	na	na	na	na	na	na	na		na		na	na	na	na	na		< 5	< 5		na	na
Methylene chloride	5	nc	nc	< 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	< 5		< 5	< 5
4-Methyl-2-pentanone							< 10												< 10	< 10	< 10		< 10		< 10				< 10							
Naphthalene	20	nc	nc	na	na	na		69		na	na	na	na	na	na	na	na	na	na	na	na		na		na	na	na	na	na		< 5	< 5		na	na
Styrene	100	nc	nc	< 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	< 5		< 5	< 5
1,1,2,2-Tetrachloroethane							< 5.0												< 5.0	< 5.0	< 5.0		< 5.0		< 5.0				< 5.0							
Tetrachloroethene	5	1.3	3.9	5.6	< 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	< 5		< 5	< 5
Toluene	1,000	nc	nc	< 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	< 5		< 5	< 5
1,2,4-Trichlorobenzene	70	nc	nc				< 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		< 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	< 5		< 5	< 5
1,1,2-Trichloroethane	5	nc	nc	< 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	< 5		< 5	< 5
Trichloroethene	5	18	35	<5.0	9.3	5.2	< 5.0	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	6.9	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5		< 5	< 5
Trichlorofluoromethane	2,000	nc	nc	< 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	< 5		< 5	< 5
1,2,4-Trimethylbenzene				na	na	na		397		na	na								na	na	na		na		na	na	na				< 5	< 5			
1,3,5-Trimethylbenzene				na	na	na		91		na	na								na	na	na		na		na	na	na				< 5	< 5			
Vinyl Chloride	2	1.1	3.3	< 2.0	< 2.0	< 2.0	< 2.0	40		< 5	39	32	64	64	69	21	9.2	4.6	< 2.0	25	6.8		10		6.9	4.0	<2	2.3	<2.0	< 2.0	< 2	< 2		< 5	< 5
m&p-Xylene	nc	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	15		14	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10		< 10	< 10
o-Xylene	nc	nc	nc	< 5.0	< 5.0	< 5.0	< 5.0	17		14	12	7.6	6.2	< 5	6.1	< 5.0	< 5.0	< 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
Total Xylene	10,000	nc	nc	< 10	< 10	< 10		32		28	12	7.6	6.2	< 15	6.1	< 15	< 15	< 15	< 15	< 15	< 15		< 15		<10	< 10	< 10	< 10	< 10		< 15	< 15		< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	ns	na	na	na	na	na	na	na	na	na	na	na	na	ns	na	ns	na	na	na	na	na	na	na	ns	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	na	na		ns							na	na	na				ns		ns		ns	na	na	na	na	na				ns		
Barium	2,000	nc	nc					1,210		22	38.5	28.9	38.2	42.2	87.1				0.0	0.0	0.0		0.0		na						412	344		150	185
Cadmium	5	7.8	51					< 5		< 5	< 5	< 5	< 5	< 5	< 5				0.0	0.0	0.0		0.0		na						< 5	< 5		< 5	< 5
Chromium	100	47	310					193		< 10	< 10	15.7	15.7	< 10	< 10				0.0	0.0	0.0		0.0		na						25	25		< 10	15.9
Copper	1,300	630	4,090					298		< 10	< 10	< 10	< 10	< 10	< 10				0.0	0.0	0.0		0.0		na						< 20	23		< 10	< 10
Lead	15	15	15					64		< 10	< 10	< 10	< 10	< 10	< 10				na	na	na		na		na						16	17		< 10	< 10
Manganese	ne	ne	ne					na		na	na	na	na	na	na				8,970	7,170	8,110		8,110		10,000						na	na		na	na
Nickel	100	310	2,040					267		28	43.0	34.3	31	31.5	71.9				na	na	na		na		na						< 20	< 20		< 20	< 20
Zinc	2,000	4,700	nc					451		< 20	< 20	< 20	< 20	< 20	< 20				na	na	na		na		na						67	94		< 20	< 20

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																						
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-13aR 46 to 56 ft bg															MW-13b 78.5 to 83.5 ft bg																					
				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	Jun-02	Sep-03
Volatile Organics, Method 8260											ns																	ns					na
Acetone	4,000	nc[c]	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 20	
Benzene	5	4.4	8.7	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Bromodichloromethane	100	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
2-Butanone	2,000	nc	nc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 100	< 100	< 10	< 10	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 10	
n-Butylbenzene	5	626	4,088	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	
sec-Butylbenzene	5	626	4,088	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	
Carbon disulfide	4,000	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Carbon Tetrachloride	5	4.9	10							< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0												< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0		
Chlorobenzene	100	27	136	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 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	< 5	
Chloroform	100	nc	nc	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	24	15	< 5	
Chloromethane										< 10	< 10	< 10		< 10	< 10	< 10												< 10	< 10	< 10		< 10	< 10	< 10		
1,2-Dibromoethane										< 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	< 5.0	< 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	
1,2-Dichlorobenzene	600	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	na	
1,3-Dichlorobenzene	600	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	na	
1,4-Dichlorobenzene	75	35	73	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	na	
Dichlorodifluoromethane										< 10	< 10	< 10		< 10	< 10	< 10												< 10	< 10	< 10		< 10	< 10	< 10		
1,1-Dichloroethane	4,000	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
1,2-Dichloroethane	5	1.6	2.9	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
1,1-Dichloroethene	7	103	524	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
cis-1,2-Dichloroethene	70	156	1,020	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
trans-1,2-Dichloroethene	100	32	161	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Total 1,2-Dichloroethene[b]	105	192	1,160	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	
1,2-Dichloropropane										< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0												< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0		
Ethylbenzene	700	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Freon-113										< 10	< 10	< 10		< 10	< 10	< 10												< 10	< 10	< 10		< 10	< 10	< 10		
Isopropylbenzene	5	207	nc	< 5	< 5	na	na	na	na	< 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	na	
p-Isopropyl toluene	5	200	1,010	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	
Methylene chloride	5	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
4-Methyl-2-pentanone										< 10	< 10	< 10		< 10	< 10	< 10												< 10	< 10	< 10		< 10	< 10	< 10		
Naphthalene	20	nc	nc	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	
Styrene	100	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
1,1,2,2-Tetrachloroethane										< 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	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Toluene	1,000	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
1,2,4-Trichlorobenzene	70	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		
1,1,1-Trichloroethane	200	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
1,1,2-Trichloroethane	5	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Trichloroethene	5	18	35	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Trichlorofluoromethane	2,000	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	na	
1,2,4-Trimethylbenzene										na	na	na		na	na	na												na	na	na		na	na	na		
1,3,5-Trimethylbenzene										na	na	na		na	na	na												na	na	na		na	na	na		
Vinyl Chloride	2	1.1	3.3	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2	< 2	< 5	< 5	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 5	
m&p-Xylene	nc	nc	nc	< 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	<5.0	< 5	
o-Xylene	nc	nc	nc	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5	
Total Xylene	10,000	nc	nc	< 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		< 15	< 15	<10	< 5	
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	ns	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	ns	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	ns	na	na	na								na	na	na	na	na	na	na	ns	na	na	na		
Barium	2,000	nc	nc	261	480	na	na		na								246	455	108	44.4	42	42.5	33.8												0.157	208
Cadmium	5	7.8	51	< 5	< 5	na	na		na								< 5	< 5	na	< 5	< 5	< 5	< 5												< 0.005	< 5
Chromium	100	47	310	36.5	951	563 J	< 10.0		na								22	50	< 10	< 10	< 10	< 10	< 10												< 0.010	12.3
Copper	1,300	630	4,090	13.6	72.8	na	na		na								33	67	< 10	< 10	< 10	< 10	< 10												0.02	< 10
Lead	15	15	15	< 10	< 10	na	na		na								< 10	26	< 10	< 10	< 10	< 10	< 10												< 0.010	14.3
Manganese	ne	ne	ne	na	na	na	na		na								na	na	na	na	na	na	na												na	na
Nickel	100	310	2,040	22	603	na	na		< 20								20	40	< 20	< 20	< 20	< 20	< 20												< 0.020	< 20
Zinc	2,000	4,700	nc	60	117	na	na		na								81	243	< 20	39.7	< 20	< 20	< 20												0.039	73.6

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																							
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	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											
				May-04	Jul-06	Apr 07 - Oct 09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Jan-08	Apr-08	Oct-08	Apr-09	Oct-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Jun 02 - Apr 14	Jun-02	ep 03 - Apr 1	Sep-03	May-04	Jul-06	Apr-07	Oct-07	Apr-08	Oct-08	Apr-09
Volatile Organics, Method 8260						ns				ns	ns	ns													ns		ns							ns	
Acetone	4,000	nc[g]	nc	< 20	< 20				< 50				< 50	< 50	< 50	< 50	< 50			< 50	< 50	< 50	< 50	< 50		< 20		< 20	< 20	< 20	< 50	< 20	< 50		< 50
Benzene	5	4.4	8.7	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Bromodichloromethane	100	nc	nc	< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.1	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
2-Butanone	2,000	nc	nc	< 10	< 10				< 50				< 50	< 50	< 50	< 50	< 50			< 50	< 50	< 50	< 50	< 50		< 10		< 10	< 10	< 10	< 50	< 10	< 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
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
Carbon disulfide	4,000	nc	nc	< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
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	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Chloroethane	10	nc	nc	< 10	< 10				< 10				< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10	< 10		< 5		< 10	< 10	< 10	< 10	< 10	< 10		< 10
Chloroform	100	nc	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				11	18	20	13	14	< 5.0	8.2	8.2	8.3	< 5.0	< 5.0	< 5.0		59		35	34	7.8	6.6	13	6.6		11.0
Chloromethane									< 10													< 10	< 10	< 10											
1,2-Dibromoethane									< 5.0													< 5.0	< 5.0	< 5.0											
Dibromochloromethane	100	nc	nc	< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,2-Dichlorobenzene	600	nc	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,3-Dichlorobenzene	600	nc	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,4-Dichlorobenzene	75	35	73	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Dichlorodifluoromethane									< 10													< 10	< 10	< 10											
1,1-Dichloroethane	4,000	nc	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,2-Dichloroethane	5	1.6	2.9	< 5	< 5		< 5.0		< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,1-Dichloroethene	7	103	524	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
cis-1,2-Dichloroethene	70	156	1,020	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
trans-1,2-Dichloroethene	100	32	161	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
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
1,2-Dichloropropane									< 5.0													< 5.0	< 5.0	< 5.0											
Ethylbenzene	700	nc	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Freon-113									< 10													< 10	< 10	< 10											
Isopropylbenzene	5	207	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
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
Methylene chloride	5	nc	nc	< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
4-Methyl-2-pentanone									< 10													< 10	< 10	< 10											
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
Styrene	100	nc	nc	< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,1,2,2-Tetrachloroethane									< 5.0													< 5.0	< 5.0	< 5.0											
Tetrachloroethene	5	1.3	3.9	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Toluene	1,000	nc	nc	< 5	< 5			< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,2,4-Trichlorobenzene	70	nc	nc						< 5.0											< 5.0	< 5.0	< 5.0	< 5.0	< 5.0											
1,1,1-Trichloroethane	200	nc	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,1,2-Trichloroethane	5	nc	nc	< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Trichloroethene	5	18	35	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Trichlorofluoromethane	2,000	nc	nc	< 5	< 5				< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		na		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
1,2,4-Trimethylbenzene									na													na	na	na											
1,3,5-Trimethylbenzene									na													na	na	na											
Vinyl Chloride	2	1.1	3.3	< 5	< 5		< 2.0	< 2.0	< 2.0				< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 5		< 5	< 5	< 5	< 2	< 2	< 2.0		< 2.0
m&p-Xylene	nc	nc	nc	< 10	< 10		< 10	< 10	< 10				< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.0		< 5		< 10	< 10	< 10	< 10	< 10	< 10		< 10
o-Xylene	nc	nc	nc	< 5	< 5		< 5.0	< 5.0	< 5.0				< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5		< 5	< 5	< 5	< 5	< 5	< 5.0		< 5.0
Total Xylene	10,000	nc	nc	< 15	< 15		< 15	< 15	< 15				< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10		< 5		< 15	< 15	< 15	< 15	< 15	< 15		< 15
Semi-Volatile Organics, Method 8270				na	na	ns	na	na	na	ns	ns	ns	na	na	na	na	na	na	na	na	na	na	na	na	ns	na	ns	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						ns	na	na	na	ns	ns	ns	na	na		na	na	na	na	na	na	na	na	na	ns		ns						na	ns	na
Barium	2,000	nc	nc	200	117										na											0.273		20.1	98.8	63.1	47.1	376			
Cadmium	5	7.8	51	< 5	< 5										< 5											< 0.005		na	< 5	< 5	< 5	< 5			
Chromium	100	47	310	10.5	142										< 10											0.039		14.3	< 10	14.8	< 10	34.4			
Copper	1,300	630	4,090	< 10	13.7										na											0.09		17.5	< 10	< 10	< 10	25.5			
Lead	15	15	15	< 10	< 10										< 10											0.029		< 10	< 10	< 10	< 10	10.5			
Manganese	ne	ne	ne	na	na										na											na		na	na	na	na	na			
Nickel	100	310	2,040	< 20	152										na											0.057		< 20	< 20	< 20	< 20	< 20			
Zinc	2,000	4,700	nc	52.1	43.4										na											0.213		< 20	< 20	< 20	< 20	266			

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

| Parameter | Concentration, ug/L | | |

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																																		
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	MW-21 47 to 57 ft bgs				OW-72 107 to 135 ft bg																												
				Apr-14	Oct-14	Apr-15	Oct-15	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	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
Volatile Organics, Method 8260																																			
Acetone	4,000	nc[g]	nc	<50	<50	<50	< 50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7	<5.0	<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	< 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	< 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	< 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	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	130.0	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088	na	na	na		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	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		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
Carbon disulfide	4,000	nc	nc	<5.0	<5.0	<5.0	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	5	4.9	10	<5.0	<5.0	<5.0	< 5.0																	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	100	27	136	<5.0	<5.0	<5.0	< 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	< 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	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 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	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane							< 10																	< 10	< 10	< 10	< 10	< 10	< 10	< 10						< 10
1,2-Dibromoethane							< 5.0																	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						< 5.0
Dibromochloromethane	100	nc	nc	<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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	<5.0	<5.0	<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	10	9.1	7.0	18	19	16	16	21	
1,3-Dichlorobenzene	600	nc	nc	<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	< 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	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane							< 10																	< 10	< 10	< 10	< 10	< 10	< 10	< 10						< 10
1,1-Dichloroethane	4,000	nc	nc	<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	10	8.2	9.4	14	15	18	12	14	
1,2-Dichloroethane	5	1.6	2.9	<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	6.4	6.5	6.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2	< 5.0
1,1-Dichloroethene	7	103	524	<5.0	<5.0	<5.0	< 5.0	11	10	< 2	6	< 2	< 2	2	< 10	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	<5.0	<5.0	<5.0	< 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	1,000	910	870	1,800	1,711	1,800	1,200	1,500	
trans-1,2-Dichloroethene	100	32	161	<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	6.3	<5.0	5.8	10.0	11.0	14	8.8	11.0	
Total 1,2-Dichloroethene[h]	105	192	1,160	< 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	1006.3	915	875.8	1,810	1,810	1,814	1,208.8		
1,2-Dichloropropane							< 5.0																	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0						< 5.0
Ethylbenzene	700	nc	nc	<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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Freon-113							< 10																	< 10	< 10	< 10	< 10	< 10	< 10	< 10						< 10
Isopropylbenzene	5	207	nc	<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	< 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		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
Methylene chloride	5	nc	nc	<5.0	<5.0	<5.0	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone							< 10																	< 10	< 10	< 10	< 10	< 10	< 10	< 10						< 10
Naphthalene	20	nc	nc	na	na	na		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
Styrene	100	nc	nc	<5.0	<5.0	<5.0	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane							< 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	88	91	60	37	17	12	18	4 J	13	21	20	20	9.4	23	5.0	14	13	20	11	17	15	12	11	15	15	12	14	16	
Toluene	1,000	nc	nc	<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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	70	nc	nc				< 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	< 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	< 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	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	<5.0	<5.0	<5.0	< 5.0	360	360	250	140	49	45	72	23	54	92	93	67	43	80	29	44	58	71	44	47	41	34	31	49	46	54	38	44	
Trichlorofluoromethane	2,000	nc	nc	<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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene				na	na	na																		na	na	na	na	na	na	na	na	na	na	na	na	
1,3,5-Trimethylbenzene				na	na	na																		na	na	na	na	na	na	na	na	na	na	na	na	
Vinyl Chloride	2	1.1	3.3	<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	2.0	<2.0	<2.0	< 2.0	< 2.0	3.6	<2.0	< 2.0	
m&p-Xylene	nc	nc	nc	<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	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	nc	nc	nc	<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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	10,000	nc	nc	<10	<10	<10		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	<10	< 10	< 10	< 10	< 10		
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	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	na													na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Barium	2,000	nc	nc					60	60	60	50	50	60	60	60	70	74.0	64	62.9																	
Cadmium	5	7.8	51					8	6	< 5	< 5	< 5	10	< 5	20	< 5	< 5	< 5	< 5																	
Chromium	100	47	310					< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10																	
Copper	1,300	630	4,090					130	200	160	120	60	50	50	30	30	75.3	51.4	60.9																	
Lead	15	15	15					20	30	15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 10																	
Manganese	ne	ne	ne					na	na	na	na	na	na	na	na	na	na	na	na																	
Nickel	100	310	2,040					1,200	1,600	740	490	200	190	410	160	280	555	483	477																	
Zinc	2,000	4,700	nc					260	390	140	150	230	230	80	130	70	61.5	86.5	58.9																	

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																														
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	OW-74A 42 to 81 ft bg																											
				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	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15
Volatile Organics, Method 8260																															
Acetone	4,000	nc[g]	nc	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 200	< 100	< 20	< 50	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	100	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 200	< 100	< 10	< 50	< 10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
n-Butylbenzene	5	626	4,088	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
sec-Butylbenzene	5	626	4,088	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	
Carbon disulfide	4,000	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 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
Chlorobenzene	100	27	136	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	10	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane																				< 10	< 10	< 10	< 10	< 10	< 10	< 10					< 10
1,2-Dibromoethane																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0					< 5.0
Dibromochloromethane	100	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	600	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane																				< 10	< 10	< 10	< 10	< 10	< 10						< 10
1,1-Dichloroethane	4,000	nc	nc	10	3	2	2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	5	1.6	2.9	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	7	103	524	2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	790	350	150	140	97	190	190	180	4	31	170	180	120	150	64	120	150	210	200	180	120	100	74	180	160	240 J	140	150
trans-1,2-Dichloroethene	100	32	161	4	2	2	< 2	< 2	< 2	2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total 1,2-Dichloroethene[h]	105	192	1,160	794	352	152	142	99	192	192	184	6	36	175	185	125	155	69	125	155	215	205	185	125	105	79	185	165	240 J	140	
1,2-Dichloropropane																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0					< 5.0
Ethylbenzene	700	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Freon-113																				< 10	< 10	< 10	< 10	< 10	< 10	< 10					< 10
Isopropylbenzene	5	207	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	5	200	1,010	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	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	< 5	< 10	< 5	< 5	< 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
4-Methyl-2-pentanone																				< 10	< 10	< 10	< 10	< 10	< 10	< 10					< 10
Naphthalene	20	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	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	< 5	< 10	< 5	< 5	< 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
1,1,2,2-Tetrachloroethane																				< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0					< 5.0
Tetrachloroethene	5	1.3	3.9	23	10	8	7	5	5	6	5	< 2	< 5	8	5.8	< 5.0	5.4	< 5.0	< 5.0	< 5.0	6.5	< 5.0	5.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	70	nc	nc																	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0					< 5.0
1,1,1-Trichloroethane	200	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	5	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	130	60	33	31	22	25	28	24	< 2	5.6	32	24	17	23	11	14	16	28	16	21	16	14	7.7	13	14	22	14	14
Trichlorofluoromethane	2,000	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
m&p-Xylene	nc	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 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
o-Xylene	nc	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 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
Total Xylene	10,000	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 10	< 10	< 10	
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene	600	nc	nc																												
1,3-Dichlorobenzene	600	nc	nc																												
1,4-Dichlorobenzene	75	nc	nc																												
2,4-Dimethylphenol	700	nc	nc																												
Bis(2-Ethylhexyl)phthalate	6	nc	nc																												
2-Methylnaphthalene																															
2-Methylphenol (o-cresol)	10	nc	nc																												
4-Methylphenol (m&p-cresol)	10	nc	nc																												
Cresol (o,m,p)	10	nc	nc																												
Naphthalene	20	nc	nc																												
Metals, Method 6010B/7470A																na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Barium	2,000	nc	nc	60	60	80	70	80	70	7	70	30	32.1	80.2	86.5																
Cadmium	5	7.8	51	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5																
Chromium	100	47	310	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10																
Copper	1,300	630	4,090	50	30	< 20	< 20	< 20	< 20	< 20	< 20	< 20	26.1	< 10	< 10																
Lead	15	15	15	30	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 10	< 10	< 10																
Manganese	ne	ne	ne	na	na	na	na	na	na	na	na	na	na	na	na																
Nickel	100	310	2,040	370	140	80	70	60	60	70	60	< 20	< 20	62.8	59.1																
Zinc	2,000	4,700	nc	180	200	< 20	60	40	20	5	< 20	1,700	505	< 20	< 20																

Table 6-1. Historical Groundwater Sampling Detections for 1998-2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Parameter	Concentration, ug/L																					
	Type 1, Type 3 RRS	Type 2 RRS	Type 4 RRS	OW-74B 76 to 180 ft bg								MW-A 30-40 ft	MW-B 32-42 ft	MW-C 34-44 ft	MW-D 34-44 ft	SMW-1 24-39 ft				SMW-2 41-56 ft			
				Apr-01	May-01	Nov-01	May-02	Nov-02	May-03	May-04	Nov-04	Sep-06	Jul-06	Jul-06	Jan-08	Dec-09	Mar-15	Apr-15	Oct-15	Dec-09	Mar-15	Apr-15	Oct-15
Volatile Organics, Method 8260																							
Acetone	4,000	nc[g]	nc	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	na	na	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	5	4.4	8.7	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	100	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	2,000	nc	nc	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	na	na	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50
n-Butylbenzene	5	626	4,088	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na									
sec- Butylbenzene	5	626	4,088	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na									
Carbon disulfide	4,000	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5	< 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
Chlorobenzene	100	27	136	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	10	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	100	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5	< 5.0	< 5.0	5.5	< 5.0	8	5.6	5.5	5.2
Chloromethane																			< 10				< 10
1,2-Dibromoethane																			< 5.0				< 5.0
Dibromochloromethane	100	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	600	nc	nc	24	14	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	16	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	600	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	75	35	73	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	5.2	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane																			< 10				< 10
1,1-Dichloroethane	4,000	nc	nc	26	18	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5	< 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	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	7	103	524	5	3	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	70	156	1,020	1,800	1,300	15	18	32	170	< 2	200	na	na	< 5	19	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	100	32	161	7	5	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5	< 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	1,807	1,305	17	20	34	172	< 4	202	na	na	< 10	24	< 10	< 10	< 10		< 10	< 10	< 10	
1,2-Dichloropropane																			< 5.0				< 5.0
Ethylbenzene	700	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	65	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Freon-113																			< 10				< 10
Isopropylbenzene	5	207	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	6.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p- Isopropyl toluene	5	200	1,010	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na									
Methylene chloride	5	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone																			< 10				< 10
Naphthalene	20	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	na	na	na	na		na	na	na	
Styrene	100	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane																			< 5.0				< 5.0
Tetrachloroethene	5	1.3	3.9	45	29	< 2	< 2	< 2	6	< 2	5	110	< 5	< 5	< 5	23	44	31	27	8	< 5.0	< 5.0	< 5.0
Toluene	1,000	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	7.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	70	nc	nc																< 5.0				< 5.0
1,1,1-Trichloroethane	200	nc	nc	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 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	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	5	18	35	210	160	4	4	6	30	4	26	450	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	2,000	nc	nc	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene																							
1,3,5-Trimethylbenzene																							
Vinyl Chloride	2	1.1	3.3	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	< 5	< 2	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0	< 5.0	< 5.0	< 2.0
m&p-Xylene	nc	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 10	75	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 5.0
o-Xylene	nc	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 5	220	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Xylene	10,000	nc	nc	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	na	na	< 15	295	< 15	< 15	< 15		< 15	< 15	< 15	< 15
Semi-Volatile Organics, Method 8270				na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
1,2-Dichlorobenzene	600	nc	nc												na	na	na	na	na	na	na	na	na
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
Barium	2,000	nc	nc	20	20	20	20	20	50	30	50	na	na	101									
Cadmium	5	7.8	51	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5									
Chromium	100	47	310	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	10.2									
Copper	1,300	630	4,090	50	70	< 20	< 20	< 20	< 20	< 20	< 20	na	na	16									
Lead	15	15	15	280	220	< 15	< 15	< 15	< 15	< 15	< 15	na	na	14.2									
Manganese	ne	ne	ne	na	na	na	na	na	na	na	na	na	na	na									
Nickel	100	310	2,040	800	730	< 20	< 20	30	130	< 20	110	655	54	192									
Zinc	2,000	4,700	nc	160	140	< 20	90	90	40	40	< 20	na	na	26.9									

[a] "nr" = Analytical reports not available to determine detection limits.
[b] "na" = Not analyzed for this parameter or by this method.
[c] "J" indicates reported between MDL and PQL. Estimated below detection limit. (Information based on current
[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
[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
[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 HSR

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

Table 6-2. Sampling Protocol, Final Compliance Sampling Event, October 2015 Former Olympic Manufacturing Site; Smyrna, Georgia			
Monitoring Well	Gauge Water Level?	Analytes	Sample?
MW-1R	✓	----	
MW-2	✓	VOCs	✓
MW-3R	✓	----	
MW-4a	✓	VOCs	✓
MW-4b	✓	VOCs	✓
MW-5	✓	----	
MW-6	✓	VOCs	✓
MW-7R	✓	----	
MW-8	✓	VOCs	✓
MW-9a	✓	VOCs	✓
MW-9b	✓	VOCs	✓
MW-10	✓	----	
MW-11	✓	VOCs	✓
MW-12	✓	VOCs	✓
MW-13aR	✓	----	
MW-13b	✓	----	
MW-14	✓	----	
MW-14b	✓	----	
MW-15	✓	----	
MW-16	✓	----	
MW-17	✓	----	
MW-18	✓	----	
MW-19	✓	----	
MW-20	✓	VOCs	✓
MW-21	✓	VOCs	✓
MW-A	✓	----	
MW-B	✓	----	
MW-C	✓	----	
MW-D	✓	----	
OW-72	✓	VOCs	✓
OW-74A	✓	VOCs	✓
IW-1 to IW-10	✓	----	
SMW-1	✓	VOCs	✓
SMW-2	✓	VOCs	✓

Table 6-3a. 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	Mar-15	Apr-15	Oct-15
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	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	32.90	33.14	34.35
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	32.51	31.30	35.58
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	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	46.48	46.51	47.22
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	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	42.44	42.23	44.72
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	45.51	45.42	46.01
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	28.00	27.88	28.40
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	23.90	23.34	24.77
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	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	46.71	46.79	47.45
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	44.39	44.17	45.02
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	19.38	19.32	21.11
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	19.66	19.21	20.77
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	24.14	21.84	24.74
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	24.89	23.49	29.61
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	40.59	39.60	41.85
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	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	47.03	47.17	48.59
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	47.88	48.41	49.38
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	49.44	49.51	49.89
MW-14b	844.39	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	54.45	53.21	53.10	52.72	50.72[h]	47.41	47.73	49.48	51.18	ng	55.09	56.69	56.17	52.78	50.13	50.96	51.23	51.54	52.38
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	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	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	41.78	41.60	44.03
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	38.11	37.61	36.40
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	29.04	27.12	29.46
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	29.44	33.09	33.16
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	38.40	38.62	39.90
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	28.26	27.00	31.71
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	31.78	31.46	34.90
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	32.11	31.72	35.35
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	27.08	26.47	27.94
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	76.14	75.79	76.71
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	17.17	17.14	18.23
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	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	40.85	39.71	42.40
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	40.80	40.64	44.42
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	42.55	42.44	44.86
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	40.62	40.48	43.17
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	40.73	42.72	45.33
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	43.93	43.77	45.20
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	44.00	44.10	ng
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	44.44	42.51	40.11
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	44.24	44.27	44.21
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	44.36	44.30	39.53
SMW-1	830.49	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	34.41	33.38	36.11
SMW-2	835.27	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	52.35	52.19	54.44

[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 6-3b. 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-10[b]	Oct-10	Apr-11	Oct-11	Nov-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Mar-15	Apr-15	Oct-15
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	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	ng	803.19	801.93	804.59	804.92	805.97	805.10	805.73	805.49	804.28
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	ng	803.15	798.45	805.29	809.52	812.03	807.72	808.01	809.22	804.94
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	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	ng	788.14	786.12	786.89	792.99	794.56	794.78	793.31	793.28	792.57
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	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	ng	Dry	Dry	Dry	796.58	798.23	796.92	796.48	796.69	794.20
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	ng	788.60	786.57	788.13	794.02	795.99	795.23	793.62	793.71	793.12
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	ng	809.14	807.32	809.89	809.04	809.40	810.35	810.27	810.39	809.87
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	ng	809.04	806.65	813.43	812.84	816.44	812.73	812.95	813.51	812.08
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	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	ng	792.16	791.04	791.94	793.83	795.57	795.87	794.95	794.87	794.21
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	789.59	788.97	786.14	789.31	788.76	796.39	795.63	794.13	794.35	793.50
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	ng	811.81	809.25	814.45	814.50	815.77	811.98	813.77	813.83	812.04
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	ng	810.99	808.70	814.09	815.92	815.68	812.37	813.53	813.98	812.42
MW-10	836.37	ni	ni	ni	ni	812.74	812.87	812.64	812.50	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	ng	812.55	810.15	811.71	810.97	811.86	813.19	812.23	814.53	811.63
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	ng	803.22	796.28	808.30	808.89	813.57	805.52	808.91	810.31	804.19
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	ng	789.61	Dry	791.39	792.19	797.44	795.50	794.38	795.37	793.12
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	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	ng	786.30	784.14	784.97	783.91	792.09	792.69	791.99	791.85	790.43
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	ng	784.11	781.79	783.65	781.89	789.96	789.45	789.08	788.55	787.58
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	ng	Dry	Dry	Dry	Dry	795.54	795.91	794.99	794.92	794.54
MW-14b	844.39	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	789.94	791.18	791.29	791.67	793.67	796.98	796.66	794.91	793.21	ng	789.30	787.70	788.22	791.61	794.26	793.43	793.16	792.85	792.01
MW-15	834.82	ni	ni	ni	ni	ni	Dry	Dry	ng	ng	Dry	ng	ng	Dry	819.80	ng	Dry	Dry	Dry	Dry	Dry	Dry	819.78	819.79	819.78	819.77	ng	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW-16	832.98	ni	ni	ni	ni	ni	804.12	Dry	ng	ng	Dry	ng	ng	Dry	Dry	ng	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	ng	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	ng	796.93	794.98	798.69	798.31	801.53	799.88	800.07	800.25	797.82
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	ng	801.36	797.68	795.86	795.67	795.70	795.16	795.35	795.85	797.06
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	ng	807.67	806.94	808.00	807.62	808.10	807.82	808.16	810.08	807.74
MW-20	800.83	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	767.77	767.72	768.41	767.82	771.39	767.74	767.67
MW-21	800.82	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	761.91	762.68	762.42	762.20	760.92
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	ng	804.21	799.95	806.36	805.37	814.15	809.04	809.70	810.96	806.25
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	ng	801.32	797.42	802.84	807.87	809.92	806.97	806.66	806.98	803.54
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	ng	801.16	797.35	802.71	807.59	809.81	806.77	806.48	806.87	803.24
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	ng	806.50	803.83	808.59	813.63	814.04	811.95	810.63	811.24	809.77
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	ng	781.21	778.44	781.27	785.42	786.59	785.80	784.86	785.21	784.29
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	ng	779.39	776.30	779.88	782.34	783.59	782.70	782.83	782.86	781.77
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	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	ng	794.99	791.90	797.29	798.71	800.71	798.82	798.41	799.55	796.86
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	ng	793.06	792.80	795.96	798.22	800.02	798.29	798.72	798.88	795.10
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	ng	792.03	792.43	792.89	796.98	798.48	797.08	796.81	796.92	794.50
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	792.55	793.44	791.57	795.77	797.72	799.69	797.72	798.18	798.32	795.63
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	ng	791.19	791.07	791.02	Dry	799.94	798.04	798.44	796.45	793.84
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	ng	Dry	Dry	Dry	Dry	796.73	795.34	794.43	794.59	793.16
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	ng	790.15	790.19	790.11	794.57	796.34	795.19	794.40	794.30	ng
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	ng	Dry	Dry	Dry	Dry	796.31	795.80	794.05	795.98	798.38
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	ng	790.03	790.08	789.90	794.48	796.28	795.11	794.27	794.24	794.30
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	ng	Dry	Dry	790.28	794.36	796.13	794.98	794.10	794.16	798.93
SMW-1	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	796.08	797.11	794.38
SMW-2	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ng	ng	ng	ng	ng	ng	ng	ng	ng	ng	782.92	783.08	780.83

[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 6-4. Analytical Detections for Final Compliance Sampling, October 2015
Former Olympic Manufacturing Site; Smyrna, Georgia

Constituent	Concentration (micrograms per liter)																					
	MW-2	MW-4a	MW-4b	MW-6	MW-8	MW-9a	MW-9b	MW-11	MW-12	MW-15	MW-16	MW-20	MW-21	OW-72	OW-74A	SMW-1	SMW-2	15300-EB	15301-EB	MW-30 (MW-8 dup)	MW-31 (MW-9a dup)	VRP Delineation Level	VRP Cleanup Level
Screened Interval, bgs	30 to 40	36 to 46	96 to 101	25 to 45	35 to 55	17 to 27	53.5-58.5	28 to 38	36 to 46	5 to 15	27 to 37	33 to 43	47 to 57	107 to 135	42 to 81	24 to 39	41 to 56						
Sampling Date	10/29/15	10/30/15	10/27/15	10/27/15	10/29/15	10/29/15	10/28/15	10/27/15	10/29/15	ns[a]	ns[a]	10/27/15	10/27/15	10/28/15	10/28/15	10/28/15	10/28/15	10/27/15	10/28/15	10/29/15	10/29/15		
Volatile Organics, Method 8260B																							
Chlorobenzene	< 5.0	< 5.0	< 5.0	**29**	< 5.0	**170**	**200**	**71**	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**170**	100	136
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**5.2**	< 5.0	< 5.0	< 5.0	< 5.0	80	80
1,2-Dichlorobenzene	< 5.0	**230**	< 5.0	< 5.0	**19**	**15**	**18**	< 5.0	**6.9**			< 5.0	< 5.0	**21**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**19**	**16**	600	600
1,3-Dichlorobenzene	< 5.0	**130**	< 5.0	< 5.0	**6.3**	**26**	**32**	**5.1**	< 5.0			< 5.0	< 5.0	**5.0**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**6.2**	**26**	600	600
1,4-Dichlorobenzene	< 5.0	**75**	< 5.0	**6.4**	< 5.0	**34**	**41**	**9.1**	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**35**	75	75
1,1-Dichloroethane	**6.1**	**14**	< 5.0	< 5.0	**11**	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	**14**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**11**	< 5.0	4,000	4,000
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	5
1,1-Dichloroethene	**5.9**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 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	**81**	**3,600**	< 5.0	< 5.0	**1,100**	< 5.0	< 5.0	**30**	**46**			< 5.0	< 5.0	**1,500**	**150**	< 5.0	< 5.0	< 5.0	< 5.0	**1,200**	< 5.0	70	1,020
trans-1,2-Dichloroethene	< 5.0	**25**	< 5.0	< 5.0	**9.4**	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	**11**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**8.8**	< 5.0	100	161
Ethylbenzene	< 5.0	< 5.0	< 5.0	**21**	< 5.0	< 5.0	< 5.0	< 5.0	< 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	< 5.0	< 5.0	**11**			< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	207
Tetrachloroethene	< 5.0	**19.0**	< 5.0	< 5.0	**9.6**	< 5.0	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	**16**	< 5.0	**27**	< 5.0	< 5.0	< 5.0	**9.1**	< 5.0	5	5
1,1,1-Trichloroethane	**11**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 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	**19**	**16**	< 5.0	< 5.0	**5.7**	**5.3**	< 5.0	< 5.0	< 5.0			< 5.0	< 5.0	**44**	**14**	< 5.0	< 5.0	< 5.0	< 5.0	**5.4**	**5.2**	5	35
Vinyl Chloride	< 2.0	**2.3**	< 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	< 2.0	< 2.0	2	3.3
m & p Xylene	< 5.0	< 5.0	< 5.0	**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	< 5.0	ne[c]	ne
o-Xylene	< 5.0	< 5.0	< 5.0	**11**	< 5.0	< 5.0	< 5.0	< 5.0	< 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	**123**	**4,111**	< 5.0	**99**	**1,161**	**250**	**291**	**115**	**64**	ns	ns	< 5.0	< 5.0	**1,611**	**164**	**27**	**5.2**	< 5.0	< 5.0	**1,260**	**252**		

[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 VRP cleanup level.

= Exceeds VRP delineation and cleanup levels for groundwater.

= Exceeds VRP delineation level for groundwater.

Table 10-1. Brown and Caldwell Labor from June 19, 2015 to February 25, 2016
Former Olympic Manufacturing Site, Smyrna, Georgia

Month, Person	Role	Hours Billed	Services Provided
June 19-30, 2015			
Trish	Project Manager	24.00	Report Preparation, Project Management
Brent	Senior Reviewer	5.00	Project Review
Brian	Geologist II	2.25	Groundwater Sampling, Support w/ELUCs, Report Preparation
Gregory	Managing Geol/Hydrogeologist	5.00	Groundwater Modeling
Jeffrey	Managing Scientist	1.50	Groundwater Modeling
Ryan	Scientist II	7.00	Report Preparation
Lori	Engineer I	5.75	Report Preparation
Arlette	Engineer II	0.50	Report Preparation
Elaine	Admin Assistant	8.25	Report Preparation
Deborah	Admin Assistant	1.75	Administrative
Candice	Project Assistant	0.25	Administrative
Rhona	Project Assistant	3.75	Administrative
	Labor Subtotal, Hours	**65.00**	
July 2015			
Trish	Project Manager	4.75	Plan Next Steps, Project Management
Dale	Senior Reviewer	0.50	Senior Oversight
Elaine	Admin Assistant	0.50	Administrative
Rhona	Project Assistant	0.25	Administrative
	Labor Subtotal, Hours	**6.00**	
August 2015			
Trish	Project Manager	4.50	Environmental Land Use Covenants
Brian	Geologist II	0.75	Environmental Land Use Covenants
Arlette	Engineer II	2.00	Environmental Land Use Covenants
	Labor Subtotal, Hours	**7.25**	
September 2015			
Trish	Project Manager	10.50	Groundwater Sampling, Support w/ELUCs
Arlette	Engineer II	2.00	Environmental Land Use Covenants
Elaine	Admin Assistant	5.00	Administrative
Rhona	Project Assistant	0.50	Administrative
Jake	Regional Biller	1.50	Administrative
	Labor Subtotal, Hours	**19.50**	
October 2015			
Trish	Project Manager	18.25	Groundwater Sampling, Support w/ELUCs
Jaclyn	Engineer II	30.00	Groundwater Sampling
Geoff	Scientist II	1.50	Data Analysis
Brian	Geologist II	43.00	Groundwater Sampling, Support w/ELUCs
Elaine	Admin Assistant	1.50	Administrative
Rhona	Project Assistant	0.25	Administrative
	Labor Subtotal, Hours	**94.50**	

Table 10-1. Brown and Caldwell Labor from June 19, 2015 to February 25, 2016
Former Olympic Manufacturing Site, Smyrna, Georgia

Month, Person	Role	Hours Billed	Services Provided
November 2015			
Trish	Project Manager	1.25	ELUC Communications, Data Analysis & Report Preparation
Brian	Geologist II	0.50	Support w/ELUCs
Teresa	Senior Scientist	1.00	Data Validation
Eileen	Scientist III	1.00	Data Management
Jake	Regional Biller	1.50	Administrative
Rhona	Project Assistant	2.25	Administrative
	Labor Subtotal, Hours	**7.50**	
December 2015			
Trish	Project Manager	14.25	ELUC Communications, Data Analysis & Report Preparation
Brian	Geologist II	11.00	Data Analysis & Report Preparation
Jake	Regional Biller	0.50	Administrative
Rhona	Project Assistant	2.00	Administrative
	Labor Subtotal, Hours	**27.75**	
January 2016			
Trish	Project Manager	6.50	ELUCs, Data Analysis & Report Preparation
Geoff	Scientist II	14.50	Data Analysis & Report Preparation
Brian	Geologist II	6.75	Data Analysis & Report Preparation
Rhona	Project Assistant	0.75	Administrative
	Labor Subtotal, Hours	**28.50**	
February 25, 2016			
Trish	Project Manager	32.75	ELUC Communications, Data Analysis & Report Preparation
Brent	Managing Geologist	1.00	Report Review
Maria	Senior Review	0.25	Senior Oversight
Brian	Geologist II	31.25	Data Analysis & Report Preparation
Geoff	Geologist I	12.25	Data Analysis & Report Preparation
Kathryna	Engineer I	13.75	Report Preparation
Arlette	Engineer I	0.50	Report Preparation
Chad	Geologist I	3.75	Report Preparation
Elaine	Admin Assistant	2.00	Administrative
Rhona	Project Assistant	3.00	Administrative
	Labor Subtotal, Hours	**100.50**	

Appendix A: Chronology of Activities 1987–1997

CHRONOLOGY OF ACTIVITIES 1987-1997
FORMER OLYMPIC-DIVERSEY MANUFACTURING SITE
SMYRNA, GEORGIA

- ***December 1987.*** Environmental Strategies Corporation (ESC) conducted a site visual inspection and identified several possible areas of concern.

- ***May 1988.*** ESC conducted a preliminary site investigation which included the installation of four groundwater monitoring wells and the collection of 32 soil samples from 17 soil boring locations.

- ***October 1988.*** ESC conducted a second site investigation and installed four additional groundwater monitoring wells and obtained 36 additional soil samples from 22 soil boring locations. All eight groundwater monitoring wells were sampled.

- ***March 1990.*** ESC prepared a preliminary risk assessment report based on 1988 data.

- ***September 1993.*** Kiber Environmental Services, Inc. collected groundwater samples from eight monitoring wells. This sampling was conducted as part of a proposed property sale.

- ***July 1994.*** ERM-North Central prepared a site conditions report which attempted to evaluate the historical soil and groundwater data in light of new Georgia regulations.

- ***March 1996.*** ERM-North Central sampled all eight groundwater monitoring wells. Data obtained was used to prepare a Release Notification Reporting Form for submittal to the Georgia Environmental Protection Division (EPD).

- ***May 31, 1996.*** Release Notification/Report Form submitted to the Georgia EPD.

- ***June 1996.*** Georgia EPD project manager requested that we attempt to determine if several private drinking water wells downgradient from the Smyrna site are still in use. Review of public records/information initiated on the identified downgradient wells.

- ***August 1996.*** Georgia EPD project manager suggested that a 1-month extension be requested for review of Release Notification/Reporting Form; letter requesting 1-month extension submitted August 22, 1996.

- ***September 3, 1996.*** Letter report on downgradient private well use submitted. One private well, the R. L. Aeck wells, is probably still in use, but is a deep well and it is highly unlikely that shallow groundwater contamination at the Smyrna site could impact the R. L. Aeck well.

- ***October 7, 1996.*** EPD project manager visited the site to confirm the plant was fenced and to observe physical features.

- ***February 3, 1997.*** Georgia EPD letter which states that the Smyrna site will be placed on the next Hazardous Site Index listing.

Appendix B: EPD Letter Presenting Airgas Soil Results

Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King, Jr. Dr., S.E., Suite 1054 East, Atlanta, Georgia 30334
Judson H. Turner, Director
Land Protection Branch
Phone: 404/657-8600 FAX: 404/657-0807

November 25, 2013

Sara Lee Corporation and Rathon Corporation
c/o Mr. Harvey M. Sheldon, Esq.
Hinshaw & Culbertson
222 North LaSalle Street, Suite 300
Chicago, Illinois 60601

VIA FIRST CLASS MAIL AND EMAIL

COPY

Re: EPD Comments
VRP Semiannual Reports 2, 3, 4, 5,and 6
Diversey-Olympic Manufacturing (Former), HSI Site No. 10435
3051 Olympic Industrial Drive, Smyrna, Georgia; Cobb County

Dear Mr. Sheldon:

The Georgia Environmental Protection Division (EPD) has completed its review of the above-referenced documents. Our comments, which also incorporate the results of discussions held between EPD, Sara Lee, and Rathon on September 19, 2013, are provided below.

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

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

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

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

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

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

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

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

    Where appropriate, please revise both the Summary of Risk Reduction Standards and Table 2.3: Delineation Concentrations.

2. Remedial requirements for soil in the former sump area have been satisfied. Soil sample EX-6B-1, obtained from a depth of 20 to 22 feet below ground surface (BGS) at the former sump area in 2010, had a PCE concentration of 0.560 milligrams per kilogram (mg/kg). That concentration

exceeded the Type 1 soil RRS for PCE of 0.5 mg/kg (the Type 1 RRS is the least stringent RRS value for soil PCE on this site). Airgas Refrigerants, prospective purchaser of the Diversey property, conducted soil sampling on site on December 17, 2013, as a condition of a limitation of liability issued by EPD on October 31, 2012. Soil sampling was conducted at the former location of soil boring EX-6B-1. A soil sample obtained from a depth of 21 feet BGS had a PCE concentration of 0.023 mg/kg, which is below the Type 1 RRS for that substance.

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

4. Pursuant to our email of October 16, 2013, to Trish Reifenberger of Brown & Caldwell, the following wells have been removed from the VRP groundwater-monitoring itinerary, based upon their history of analytical non-detects or of detections below the applicable RRSs: MW-1R, MW-3R, MW5, MW-7R, MW-10, MW-13ar, MW-13b, MW-14, MW-14B, MW-17, MW-18, and MW-19. Pursuant to our follow-up email of October 18, 2013, to Trish Reifenberger, resampling of those wells to certify to RRSs will not be necessary.

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

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

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

   Our preferred location for the additional well is on the S&S Realty property. If access would be a problem, our second choice for the well location is between the S&S property line and South Atlanta Road. If access would still be a problem, our third choice for the well location is on Elizabeth Lane, across South Atlanta Road from the S&S property.

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

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

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

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

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

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

d. No information on calibration of the solute-transport model was included in the technical memorandum. Please provide a detailed narrative on calibration procedures, with accompanying figures and tables depicting projected contaminant concentrations over time versus concentrations measured in the field. EPD also noticed that no sensitivity analysis was included. If literature values are used as data inputs when calibrating the model, a sensitivity analysis is advisable to determine those data inputs to which the solute-transport model is most sensitive, and which will therefore most affect the projected length of the plume. Uncertainty regarding the value of a sensitive data input contributes to the overall uncertainty of the model.

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

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

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

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

11. EPD has reviewed the executed site-access agreement between Airgas Industries and the responsible parties (RPs), pursuant to a request made by the RPs' attorney during a September 19, 2013, meeting with EPD. EPD has no comments on the agreement, other than that EPD is not

bound by a contract between two private parties. Airgas must allow the RPs and EPD access to the property, pursuant to Condition 2 of our limitation of liability letter to Airgas, dated October 31, 2012.

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

Sara Lee and Rathon must address these comments to EPD's satisfaction in order to demonstrate compliance with the provisions, purposes, standards, and policies of the Act. EPD may, at its sole discretion, review and comment on documents submitted by Sara Lee and Rathon. However, failure of EPD to respond to a submittal within any timeframe does not relieve Sara Lee and Rathon from complying with the provisions, purposes, standards, and policies of the Act.

Please address the comments in this letter in the next semiannual progress report, due December 31, 2013. If you have any questions, please contact Allan Nix of the Response and Remediation Program at (404) 657-8600.

Sincerely,

David Brownlee
Unit Coordinator
Response and Remediation Program

c: Trish Reifenberger, Brown & Caldwell (via email)
Karl Forrest, Fine & Block for Jodaco, Inc. (via email)

File: HSI Site Number 10435

Appendix C: Field Data Sheets – October 2015

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: ~~MW-12~~ MW-2

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather:

2. WELL DATA

Date Measured: 10.26.15 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: ~~40~~ 40 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: ~~35.58~~ 35.58 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: ~~4.42~~ 4.15 feet Well Volume: ~~0.72~~ 0.73 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: 10.29.15 Time: 1140

Purge Method: ☒ Bailer, Size: 3' x 1.75" ☐ 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 ~~3.46~~ gallons ~~3.69~~ 3.69

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

Equipment Model(s): 1. YSI-556 2. Lamotte 2020 3. 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
1145	0.25	5.61	18.11	0.148	67.0	4.63	30.40	35.90	
1150	0.75	5.08	17.96	0.141	92.3	5.10	63.9	35.90	
1155	1.25	5.59	17.98	0.146	57.0	4.03	60	35.90	
1200	1.75	5.73	18.06	0.147	55.0	3.82	71	35.90	
1210	2.25	5.80	18.18	0.147	54.2	3.16	132	35.90	

Purge data continued on next sheet? ☐

4. SAMPLING DATA 3' x 1.75"

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: ~~15302-MW-12~~ 15302-MW-2 Sample Date: 10.29.15 Sample Time: 1245 # 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

Bailed 5 well vol.

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~~ 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
1218	2.75	5.85	18.15	0.149	60.0	3.33	92.8	35.90	
1230	3.25	5.85	18.36	0.149	82.4	3.57	66	35.90	
1240	3.75	5.79	18.19	0.151	72.4	3.10	80.9	35.90	5 min
1245	collect		sample						vol.

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4a

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather:

2. WELL DATA

Date Measured: 10.26.15 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: 46.00 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 44.72 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: 1.28 feet Well Volume: 0.213 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: 10.30.15 Time: 0935

Purge Method: ☐ Bailer, Size: 3'x1.75" ☐ 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 1.06 gallons

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

Equipment Model(s)
1. YSI-556
2. Lamotte 2020
3.
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
0940	0.10	6.53	14.05	0.978	-1.5	5.11	85.4	44.90	
0955	0.40	6.64	15.68	0.965	-20.7	4.20	62.2	44.90	
1005	0.50	6.64	15.95	0.960	-20.1	4.00	60.9	44.90	
1015	0.70	6.62	15.81	0.961	-18.7	3.90	40.5	44.90	
1025	0.85	6.50	15.45	0.965	-10.1	3.79	51.4	44.90	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☒ Bailer, Size: 3'x1.75" ☐ 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: 15303-MW-4a Sample Date: 10.30.15 Sample Time: 1115 # 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

Bailed well due to low water column.

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-4a

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1035	0.95	6.58	15.53	0.966	-13.3	3.81	51.5	~~1195~~	45.25
1045	1.00	6.40	14.90	0.969	-3.0	3.57	59.7	45.50	
1055	1.10	6.57	15.36	0.969	-3.0	3.47	68.3	45.75	
1115	Collect		sample						

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4b

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: _____

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather: Rain, 51°F

2. WELL DATA

Date Measured: 10-27-15 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: 101.00 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: 46.01 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: 54.99 feet Well Volume: 9.18 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: 10-27-15 Time: 0915

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

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

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

Volume to Purge (minimum): — well volumes or Low flow gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: 0.030 gal/min

Equipment Model(s)

1. QED Bladder Pump
2. YSI -556
3. Lamotte 2020
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
0925	0.25	6.61	12.35	0.381	34.6	3.99	15.7	46.50	
0935	0.60	6.97	12.50	0.381	0.3	2.81	11.72	48.20	
0945	0.90	7.27	13.36	0.380	-41.5	2.40	7.43	49.50	
0955	1.20	7.27	13.37	0.379	-67.9	2.27	11.6	50.50	
1005	1.50	7.36	13.35	0.296	-139.9	2.18	6.72	51.75	

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: 15300-MW-4b Sample Date: 10-27-15 Sample Time: 1150 # 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

Low flow method, pump intake @ 95 ft

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

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4b

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1015	1.80	7.40	13.98	0.293	-209.0	2.14	6.17	52.50	
1025	2.70	7.51	14.21	0.364	-261.7	2.16	6.05	55.80	
1045	2.70	7.55	14.51	0.348	-297.2	2.22	5.65	56.90	
1055	3.00	7.54	14.67	0.333	-305.3	2.25	5.93	58.70	
1105	3.30	7.51	14.66	0.323	-309.5	2.35	5.86	60.05	314
1115	3.60	7.48	14.79	~~0.316~~	-307.8	2.38	5.69	61.50	SC = 0.~~321~~
1125	3.90	7.44	15.08	0.308	-308.0	2.40	5.03	62.05	
1135	4.20	7.38	14.95	0.301	-305.8	2.36	5.02	62.75	
1145	4.50	7.35	15.11	0.298	-306	2.30	4.99	62.95	
1150	collect	sample							

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-6 1/2

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: Hillshire

Client: Hillshire Brands Personnel: JPL

Project Location: Smyrna, Georgia Weather: Rainy drizzle 53° F

2. WELL DATA

Date Measured: 10/27/15 Time: 1241 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: 45.00 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 24.8 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: 20.2 feet Well Volume: 3.37 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: 10/27/15 Time: 1257

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 10.12 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: .1-.5 gal/min

Equipment Model(s)
1. YSI
2. Monsoon
3. LaMotte
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
1259	0.5	6.07	18.31	0.059	198.2	3.78	12.43	24.7	—
1304	1.0	6.13	18.33	0.069	199.1	2.98	10.98	24.7	—
1308	2.5	6.18	18.68	0.071	196.5	2.64	9.13	24.7	—
1311	3.0	6.19	18.65	0.080	197.0	2.69	6.88	24.7	—
1315	5.0	6.23	18.75	0.116	159.0	2.10	2.05	24.7	—

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: 24.7 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-6 Sample Date: 10/27/15 Sample Time: 1333 # 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

Well has no bolts, water stayed consistent: no draw down. Kept Pump at top of water column ≈ 24.7'

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-6 2/2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1317	7.0	6.26	18.75	0.147	102.0	0.93	1.22	24.7	—
1322	9.0	6.32	18.72	0.188	55.5	0.71	1.02	24.7	—
1325	10.5	6.41	18.74	0.206	33.2	0.69	1.02	24.7	—
1328	12.0	6.47	18.77	0.215	11.9	0.67	0.82	24.7	—
1330	13.0	6.47	18.74	0.215	7.3	0.69	0.80	24.7	—
1332	14.0	6.47	18.76	0.222	5.4	0.70	1.03	24.7	—

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-8

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: Area by tanks
Client: Hillshire Brands Personnel: JPL
Project Location: Smyrna, Georgia Weather: Sunny 60°F

2. WELL DATA

Date Measured: 10/29/15 Time: 0850 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: 55.00 feet — From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:
Depth to Static Water: 45.51 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: 9.49 feet — Well Volume: 1.58 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: 10/29/15 Time: 0859

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 4.75 gallons

Was well purged dry? ☐Yes ☒No Pumping Rate: .1-.2 gal/min

Equipment Model(s): 1. YSI 2. Carlotte 3. Monsoon 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
0901	0.5	6.33	17.29	0.328	29.2	1.76	71000	47.0	—
0904	1.0	6.58	17.57	0.348	13.1	1.20	28	46.8	Slowed pump
0906	1.5	6.59	17.58	0.355	12.4	1.17	19.5	46.6	—
0910	3.0	6.59	17.71	0.388	8.1	0.95	12.9	46.6	—
0912	3.5	6.60	17.74	0.397	4.6	0.87	12.3	46.6	—

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: 46.85 Field Filtered? ☐Yes ☒No

Sample ID: MW-8 Sample Date: 10/29/15 Sample Time: 0921 # of Containers: 2

Duplicate Sample Collected? ☒Yes ☐No ID: 15302-MW-30 # of Containers: 2

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

Well has no bolts, pump was kept 5' from bottom
Smell very sour-sulfur.
Duplicate MW-30 at well

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

FORM GW-2 (Rev 25.Sept.08 - sej) 1/2 Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-8

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0914	4.0	6.61	17.69	0.418	-.9	0.73	6.94	46.8	—
0916	4.5	6.61	17.66	0.424	-2.2	0.70	5.41	46.8	—
0918	5.0	6.61	17.62	0.430	-3.2	0.67	7.85	46.8	—

Purge data continued on next sheet? ☐

2/2

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

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9a

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather:

2. WELL DATA

Date Measured: 10.26.15 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: 28.00 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 21.11 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: 6.89 feet Well Volume: 1.15 gal Screened Interval (from GS):

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

3. PURGE DATA

Date Purged: 10.29.15 Time: 1300

Purge Method: ☒ Bailer, Size 3' x 1.75" ☐ 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 5.75 gallons

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

Equipment Model(s)
1. YSI-556
2. Lamotte 2020
3.
4.

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1305	0.50	6.93	20.35	0.659	70.3	2.48	55.2	21.75	
1310	1.0	6.92	20.18	0.571	36.6	2.75	85.5	21.75	
1315	1.5	6.91	20.35	0.593	22.2	2.96	89.2	21.75	
1320	2.0	6.92	20.34	0.573	1.5	2.84	108.7	21.75	
1325	2.5	6.89	20.04	0.555	-22.0	2.83	104.9	21.75	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☒ Bailer, Size: 3' x 1.75" ☐ 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: 1530-MW-9a Sample Date: 10.29.15 Sample Time: 1425 # of Containers: 2

Duplicate Sample Collected? ☒ Yes ☐ No ID: 1530-MW-31 @ 1200 # of Containers: 2

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

Bail 5 well volumes

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-9a

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1340	3	6.91	20.52	0.556	-26.8	2.89	76	21.75	
1343	3.5	6.94	20.67	0.544	-36.7	2.98	110	21.75	
1346	4	6.87	20.62	0.543	-34.4	3.51	92.4	21.75	DO = 2.99
1354	4.5	6.88	20.61	0.542	-41.5	2.82	101.7	21.75	
1400	5	6.84	20.42	0.537	-47.5	2.77	117	21.75	
1415	5.5	6.95	20.71	0.557	-54.4	2.78	111	21.75	
1420	6.0	6.93	20.73	0.553	-58.3	2.60	112	21.75	
1425	collect sample, purged 5 well volumes								

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-9b

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: Cul-de-Sac
Client: Hillshire Brands Personnel: JPL
Project Location: Smyrna, Georgia Weather: Overcast + 62°F

2. WELL DATA

Date Measured: 10/28/15 Time: 1035 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: 58.88 feet — From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:
Depth to Static Water: 20.9 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: 37.98 feet — Well Volume: 6.34 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: 10/28/15 Time: 1038

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 19.03 gallons

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

Equipment Model(s)
1. YSI
2. LaMotte
3. Monsoon
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
1045	3.0	6.73	19.38	0.527	-28.1	1.28	911	21.9	—
1052	6.0	6.85	19.39	0.532	-105.4	0.62	63	21.8	—
1058	9.0	6.88	19.35	0.558	-112.4	0.54	20.9	21.9	—
1108	12.0	7.0	19.61	0.535	-15.4	4.93	20.8	22.3	Slowed pump
1121	15.0	6.81	19.53	0.511	-89.3	0.34	22.9	22.3	—

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: 22.5 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-9b Sample Date: 10/28/15 Sample Time: 1153 # of Containers: 2

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

Equipment Blank Collected? ☒ Yes ☐ No ID: 15301-EB # of Containers: 2

Geochemical Analyses
Ferrous Iron: mg/L
DO: mg/L
Nitrate: mg/L
Sulfate: mg/L
Alkalinity: mg/L

5. COMMENTS

Water dropped ~1-2' while purging, well has an offset joint at 26 ft. cannot pass w/ pump
EB collected before Sampling

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 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9b

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1131	18.0	6.92	19.54	0.605	-124.4	0.34	22.2	22.3	—
1140	20.0	6.93	19.55	0.615	-125.7	0.44	12.5	22.3	—
1145	20.5	6.92	19.67	0.623	-116.6	0.98	6.65	22.3	—
1150	21.0	6.92	19.59	0.623	-115.7	0.98	9.62	22.5	—
1155	21.5	6.93	19.61	0.626	-113.6	0.99	5.68	22.5	—

Purge data continued on next sheet? ☐

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

2/2

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-11

1/2

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: gravel/woods

Client: Hillshire Brands Personnel: JPL

Project Location: Smyrna, Georgia Weather: drizzle 56° F

2. WELL DATA

Date Measured: 10/27/15 Time: 1405 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: 38.00 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 29.60 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

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

Length of Water Column: 8.4 feet Well Volume: 1.40 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: 10/27/15 Time: 1420

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): 3.0 well volumes or 4.2 gallons

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

Equipment Model(s)
1. YSI
2. Monsoon
3. LaMotte
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
1430	.5	6.25	15.16	0.396	8.6	2.48	729	29.7	Water turbid due
1433	1.0	6.30	15.97	0.382	-15.0	1.81	24	29.6	to infiltration
1435	2.0	6.29	15.82	0.346	-21.4	0.97	25.3	29.6	from digging out well
1440	3.0	6.29	15.80	0.346	-21.8	0.93	19.0	29.6	—
1444	4.0	6.29	15.80	0.352	-24.4	0.79	11.42	29.6	—

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: MW-11 Sample Date: 10/27/15 Sample Time: 1453 # 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

Well had to be dug out of dirt/mud, well kept at top of water column ~29'-30'. No bolts on well. Sheen on water surrounding well coming from drain

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 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-11

2/2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1446	4.5	6.28	15.78	.350	-26.9	0.73	8.23	29.6	—
1448	5.0	6.28	15.84	.346	-30.5	0.67	7.24	29.6	—
1450	5.5	6.28	15.83	.349	-31.0	0.64	7.70	29.6	—

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: ~~MW-2~~ MW-12

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather:

2. WELL DATA

Date Measured: 10.26.15 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: ~~40.00~~ 46 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: ~~35.98~~ 41.85 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: ~~4.02~~ 4.15 feet Well Volume: ~~0.66~~ 0.69 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: 10.29.15 Time: 0905

Purge Method: ☒ Bailer, Size 3' x 1.75" ☐ 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 ~~3.69~~ gallons 3.46

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

Equipment Model(s): 1. YSI-556 2. Lamotte 2020 3. 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
0913	0.75	5.54	17.22	0.475	93.7	3.12	20.9	35.79	
0918	1.00	6.03	17.35	0.339	12.9	3.04	15.1	35.79	
0923	1.25	6.17	17.61	0.327	-17.0	3.20	22.7	35.77	
0930	1.5	6.12	17.49	0.336	-16.4	2.69	14.8	35.79	
0935	2.0	6.16	17.74	0.336	-21.7	2.09	23.0	35.79	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☒ Bailer, Size: 3' x 1.75" ☐ 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: 153D2-MW12 Sample Date: 10.29.15 Sample Time: 1010 # 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

Baled 5 well volumes.

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~~ 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
0943	2.5	6.39	17.98	0.341	-58.5	338	57	35.79	
0952	3	6.19	18.05	0.343	-53.1	2.62	32.0	35.79	
0955	3.25	6.44	17.18	0.346	-63.8	2.76	31.0	35.79	
1000	3.5	6.29	17.99	0.342	-47.0	2.60	31.0	35.79	
1005	3.75	6.29	18.99	0.339	-21.1	3.73	~~29.7~~ 31.0	35.79	S well Vol.
1010	collect sample								

Purge data continued on next sheet? ☐

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

2 of 2

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

1/2

WELL ID: MW-20

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: WWTP Smyrna, GA

Client: Hillshire Brands Personnel: JPL

Project Location: Smyrna, Georgia Weather: overcast + raining 51°F

2. WELL DATA

Date Measured: 10/27/15 Time: 0859 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: 45.00 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 33.2 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: 11.8 feet Well Volume: 1.97 gal Screened Interval (from GS):

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

3. PURGE DATA

Date Purged: 10/27/15 Time: 0923

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

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

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

Volume to Purge (minimum): 3 well volumes or 5.91 gallons

Was well purged dry? ☐Yes ☒No Pumping Rate: 0.5 gal/min

Equipment Model(s)
1. YSI
2. Monsoon
3. LaMotte
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
0926	1.0	5.12	14.00	0.319	247.0	3.52	-71	33.1	
0931	2.5	5.21	13.29	0.331	228.8	[illegible]	2.74	33.0	DO: 3.21 JL
0933	3.5	5.16	14.00	0.329	224.7	[illegible]	0.90	33.1	DO: 3.19 JL
0937	5.0	5.15	14.08	0.318	218.4	[illegible]	0.70	33.1	DO: 3.20 JL
0939	6.0	5.16	14.08	0.298	213.3	[illegible]	0.70	33.1	DO: 3.18 JL

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: 33.1 ft Field Filtered? ☐Yes ☒No

Sample ID: MW-20 Sample Date: 10/27/15 Sample Time: 0945 # 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

Pump stayed at top of water column. Little to no drawdown. 4 well volumes purged.

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

2/2

WELL ID: MW-20

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0941	7.0	5.17	14.07	.295	211.7	3.14	0.6	33.1	
0943	8.0	5.17	1408	.297	211.2	3.18	0.6	33.1	

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-21

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather: Cloudy 57°F

2. WELL DATA

Date Measured: 10-26-15 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 ☐

Depth to Static Water: 39.90 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐

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

Length of Water Column: 17.92 feet Well Volume: 2.99 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: 10-27-15 Time: 1425

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

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

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

Volume to Purge (minimum): 3 well volumes or 8.97 gallons 5x = 15 gal

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

Equipment Model(s)
1. QED Bladder
2. MP-50
3. YSI-556
4. Hanna 1020

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
1425	1.5	6.10	17.87	0.212	46.4	8.61	>1000	40.30	
1445	2.0	5.90	17.86	0.211	51.0	8.13	>1000	40.35	
1500	2.5	5.88	17.99	0.205	50.0	7.26	1023	40.35	
1515	3.5	5.78	17.93	0.200	55.9	6.22	137	40.35	
1530	4.0	5.80	18.07	0.200	55.9	5.94	109	40.35	

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: 1530-MW-21 Sample Date: 10.27.15 Sample Time: 1820 # of Containers: 2

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

Equipment Blank Collected? ☑Yes ☐No ID: 1530-EB @1400 # 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 41ft

Purged 1.5 gallons troubleshooting pump

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-21

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1545	4.5	5.76	18.00	0.200	60.7	5.49	88.2	40.35	
1600	5.0	5.77	17.93	0.204	62.9	~~5~~ 4.89	86.1	40.35	
1615	5.5	5.76	18.04	0.203	67.8	4.50	95.6	40.35	
1630	6.5	5.72	17.91	0.201	73.3	4.03	111	40.35	increase
1645	~~7.5~~ 7.5	5.72	17.91	0.201	77.3	3.67	90.2	40.35	flow rate
1700	8.5	5.70	17.96	0.202	82.0	3.42	117	40.35	
1715	9.5	5.72	17.89	0.200	85.0	3.05	73.3	40.35	Increase pump
1730	10.75	5.69	17.85	0.203	90.6	2.76	54.6	40.35	rate
1745	12	5.73	17.92	0.202	93.1	2.64	73.8	40.35	
1800	13.5	5.70	17.94	0.199	99.6	2.47	65.4	40.35	
1815	15	5.69	17.83	0.201	105.8	2.39	71.3	40.35	
1820	collect	sample	after	5	well	volumes			

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: SMW-1

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather: Cloudy

2. WELL DATA

Date Measured: 10.26.15 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: 39.00 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 36.11 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: 2.89 feet Well Volume: 0.48 gal Screened Interval (from

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: 10.28.15 Time: 1505

Purge Method: ☒ Bailer, Size: 3" x 1.75" ☐ 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 2.41 gallons

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

Equipment Model(s): 1. YSI-556 2. Lamotte 2020 3. 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
1510	0.50	5.88	19.66	0.070	111.6	8.49	>1000	36.09	
1516	1.00	4.91	19.52	0.067	162.8	8.39	>1000	36.15	
1524	1.5	4.77	19.16	0.070	172.4	7.70	>1000	36.90	
1531	2.0	5.18	19.27	0.076	154.2	7.18	>1000	36.95	
1541	2.5	5.44	19.36	0.076	146.9	7.17	>1000	36.85	5 well vol.
1544	2.75	5.21	19.42	0.076	156.8	7.19	122	36.98	

Purge data continued on next sheet? ☐

4. SAMPLING DATA 3" x 1.75"

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: 1530-SMW-1 Sample Date: 10.28.15 Sample Time: 1545 # 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

Well bailed bc bladder pump wouldn't operate w/ such little water w/ teflon bladder. Bailed 5 well volumes.

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: SMW-1

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

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: SMW-2

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern:

Client: Hillshire Brands Personnel: BS

Project Location: Smyrna, Georgia Weather: cloudy light rain

2. WELL DATA

Date Measured: 10.28.15 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: 56.35 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 54.44 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: 1.91 feet Well Volume: 0.31 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: 10.28.15 Time: 1135

Purge Method: ☑ Bailer, Size: 3' x 1.75" ☐ 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 1.59 gallons

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

Equipment Model(s): 1. YSI-556 2. Lamotte 2020 3. 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
1140	0.40	5.81	19.36	0.093	114.2	5.23	>1000	—	
1145	0.75	5.79	19.33	0.087	111.0	4.66	>1000	—	
1150	0.90	5.79	19.32	0.086	132.1	4.38	>1000	—	pH = 5.79
1155	1.25	5.78	19.30	0.090	133.0	7.87	>1000	—	
1200	1.59	5.66	19.50	0.089	130.5	4.32	>1000	—	

Ba'd. 5 well volumes

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☑ Bailer, Size: 3' x 1.75" ☐ 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: 15301-SMW-2 Sample Date: 10.28.15 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

Bailed well, couldn't get pump to function properly.

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: SMW-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

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-72S

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: Side of Hwy

Client: Hillshire Brands Personnel: JPL

Project Location: Smyrna, Georgia Weather: Sunny 70°F

2. WELL DATA

Date Measured: 10/20/15 Time: 0815 Temporary Well: ☐Yes ☒No

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

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

Total Depth of Well: 135.00 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 76.6 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: 58.4 feet Well Volume: 9.75 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: 10/20/15 Time: 1320

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 29.25 gallons

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

Equipment Model(s)
1. YSI
2. LaMotte
3. Monsoon
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
1345	3.0	6.35	18.24	.115	-19.2	1.56	12.66	83.4	slowed pump
1359	6.0	6.00	18.69	0.203	-26.5	0.84	5.53	82.8	slowed pump
1415	9.0	5.90	17.99	0.345	8.0	0.63	4.33	83.6	—
1428	12.0	5.96	18.68	0.389	14.9	0.54	0.97	84.0	—
1434	15.0	5.93	18.49	0.384	14.5	0.44	4.37	84.0	—

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: 84.5 Field Filtered? ☐ Yes ☒ No

Sample ID: OW-72 Sample Date: 10/20/15 Sample Time: 1525 # 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

Sulfur Smell to the water; Water level decreased to about ~84-85'; Pump was kept at top of water column.

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 25.Sept.08 - sej)

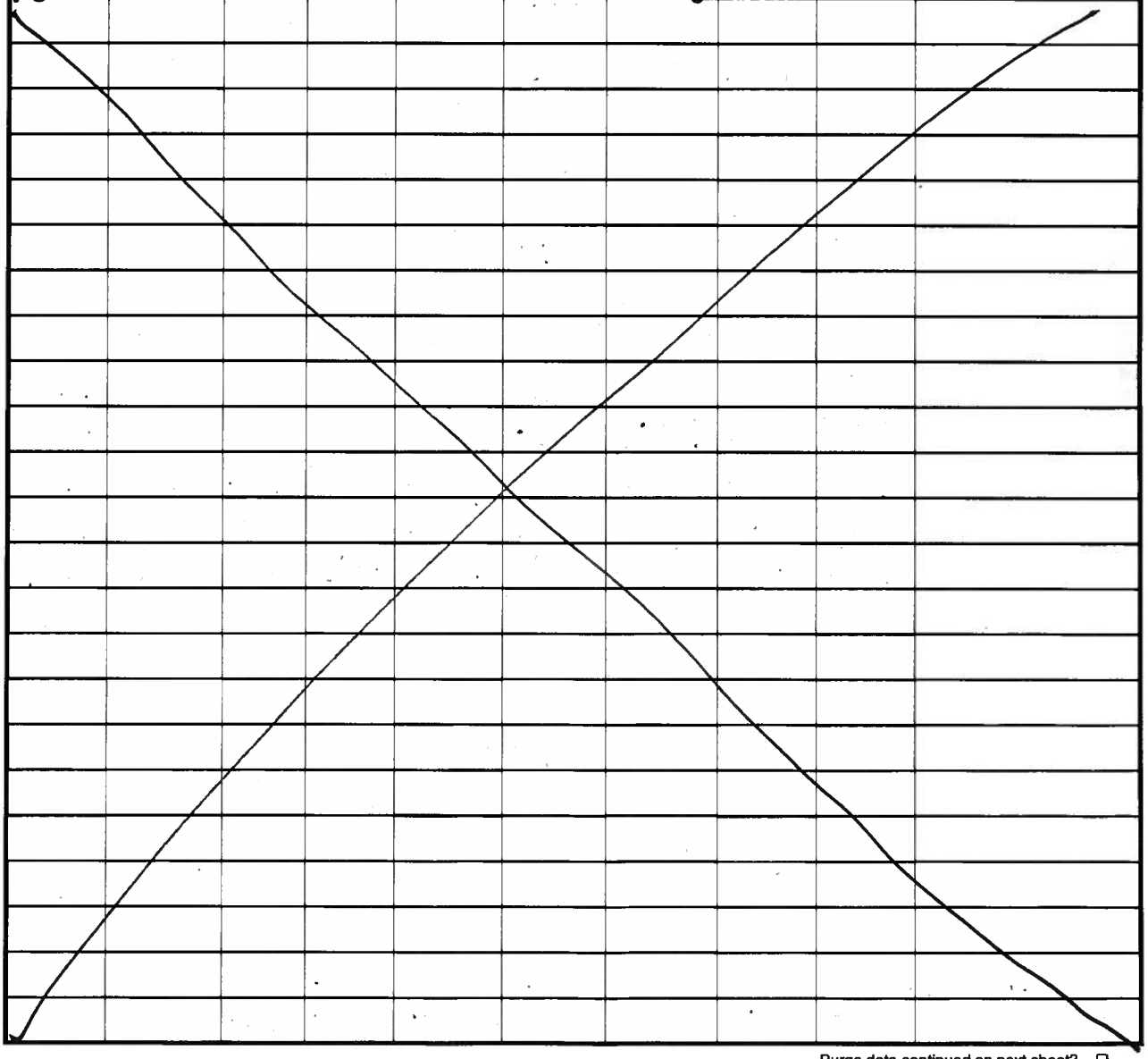
BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-72[illegible]

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1442	18.0	5.95	18.52	0.382	15.8	0.41	1.87	84.0	—
1451	21.0	5.96	18.57	0.388	8.2	0.39	4.83	84.5	—
1500	24.0	5.93	18.02	0.382	13.1	0.39	0.74	84.5	—
1510	27.0	5.93	18.08	0.383	12.8	0.36	0.83	84.5	—
1520	30.0	5.92	18.03	0.385	13.4	0.35	0.73	84.5	—



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-74A

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004 Area of Concern: Side of Road
Client: Hillshire Brands Personnel: JDL
Project Location: Smyrna, Georgia Weather: drizzle + 59°F

2. WELL DATA

Date Measured: 10/28/15 Time: 0845 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: 81.00 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:
Depth to Static Water: 10.05 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: 62.95 feet Well Volume: 10.51 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: 10/28/15 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 31.5 gallons

Was well purged dry? ☐Yes ☒No Pumping Rate: 0.5 gal/min

Equipment Model(s)
1. YSI
2. LaMotte
3. Monsoon
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
0910	3.0	5.38	15.63	0.165	109.3	0.29	2.29	19.98	—
0916	6.0	5.46	15.59	0219	104.4	0.58	1.72	19.99	—
0922	9.0	5.48	15.60	0.235	113.6	0.57	0.63	20.03	—
0928	12.0	5.49	15.60	0.236	118.1	0.53	0.60	20.03	—
0934	15.0	5.48	15.60	0.240	121.1	0.48	1.05	20.03	—

Purge data continued on next sheet? ☐

4. SAMPLING DATA

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

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

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

Depth to Water at Time of Sampling: 20.03 Field Filtered? ☐Yes ☒No

Sample ID: OW-74A Sample Date: 10/28/15 Sample Time: 1015 # 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

pump at top of water column ~ 18.3/19' → 19-20' → 20-21'
Water level leveled out at 20.03'
Well has no bolts

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 25.Sept.08 - sej)

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
0940	18.0	5.50	15.60	0.242	109.5	0.38	2.94	20.03	—
0946	21.0	5.50	15.60	0.241	106.1	0.37	2.27	20.03	—
0952	24.0	5.50	15.60	0.242	103.7	0.36	2.75	20.03	—
0958	27.0	5.49	15.61	0.240	100.4	0.35	1.71	20.03	—
1004	30.0	5.49	15.60	0.240	100.1	0.34	2.38	20.03	—
1010	33.0	5.49	15.61	0.242	99.1	0.34	1.79	20.03	—

Purge data continued on next sheet? ☐

Signature

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

Appendix D: Field Parameters through October 2015 *(on CD)*

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
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

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
		1.9	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
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

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	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
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

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
		1.70	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
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

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
		4.15	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
		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

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-15	0.75	0.6	27.5	17.62	5.32	1.06	0.138
		1	0.8	22.7	17.39	5.35	0.88	0.139
		1.1	0.9	15.5	17.43	5.41	0.8	0.139
		1.4	1.2	13.6	17.49	5.44	0.76	0.14
		1.6	1.3	11.6	17.74	5.46	0.7	0.141
		1.8	1.5	11.7	17.89	5.46	0.67	0.142
		2.2	1.8	12	18	5.48	0.63	0.142
		2.5	2.1	11.5	18.1	5.5	0.6	0.143
		3	2.5	12	18.17	5.51	0.59	0.144
		3.25	2.7	12.8	18.24	5.53	0.57	0.144
		3.5	2.9	14	18.38	5.54	0.54	0.146
		3.75	3.1	13.3	18.44	5.53	0.52	0.146
		4	3.3	12.6	18.69	5.56	0.5	0.147
		4.4	3.7	12.45	18.89	5.57	0.47	0.148
	Oct-15	0.25	0.3	30.4	18.11	5.61	4.63	0.148
		0.75	1.0	63.9	17.96	5.08	5.1	0.141
		1.25	1.7	60	17.98	5.59	4.03	0.146
		1.75	2.4	71	18.06	5.73	3.62	0.147
		2.25	3.1	132	18.18	5.8	3.16	0.147
		2.75	3.8	92.8	18015	5.85	3.33	0.149
		3.25	4.5	66	18.36	5.85	3.57	0.149
		3.75	5.1	80.9	18.19	5.79	3.1	0.151
MW-3	Mar-96	1.5	1	18.87	50.4 F	6.75		0.131
		3	2	18.91	56.8 F	6.88		0.153
		5	3.3	18.88	57.5 F	6.92		0.150
	Nov-97	1	0.7	610	17 C	5.80		0.130
		3	2	97.2	18 C	6.00		0.130
		7	4.7	47.2	18 C	6.00		0.130
		14	9.3	22.8	18 C	6.10		0.130
		20	13.3	28.2	18 C	6.10		0.130
	Dec-98	1	0.7		62.2 F	6.08		3.640
		2	1.3		64.9 F	6.38		0.325
		3.5	2.3		65.3 F	6.45		0.207
		5	3.3		65 F	6.44		0.301
		6	4.0		64.9 F	6.42		0.277
	Apr-01	2	1.3	58	20.6 C	5.64	6.40	0.115
		4	2.7	71	20.6 C	5.61	6.46	0.114
		6	4.0	27	20.5 C	5.59	6.52	0.117
	May-03	not sampled due to well damage						
	Sep-03	not sampled due to well damage						
	May-04	replaced with MW-3R						
MW-3R	May-04	1.5	1.01	745	23.54 C	5.94	7.09	0.113
		2	1.34	208	24.98 C	5.74	6.15	0.111
		3	2.01	72.9	25.13 C	5.77	6.13	0.110
		3.5	2.35	21.1	25.81 C	5.77	5.86	0.110
		4	2.68	14.5	25.34 C	5.75	5.98	0.110
		5	3.36	9	25.32 C	5.70	6.12	0.110
		5.5	3.69	6.5	25 C	5.76	5.94	0.109
		6	4.03	6.1	25.25 C	5.69	5.90	0.109
		6.5	4.36	5.4	25.47 C	5.71	5.89	0.109
	Jul-06	1.7	1.14	> 999	22.29 C	5.90	4.55	0.080
		3.4	2.28	> 999	24.25 C	6.00	3.46	0.078
		4	2.68	> 999	24.34 C	5.90	6.43	0.080
		6	4.03	544	24.91 C	6.03	3.94	0.079
		8	5.37	347	24.6 C	6.06	3.78	0.078
		9	6.04	169	23.24 C	6.17	2.65	0.078
		11.5	7.72	54.6	22.25 C	6.27	1.22	0.077
		13	8.72	19.7	22.72 C	6.35	1.29	0.077
		14	9.40	4.5	22.97 C	6.41	0.79	0.077
	Apr-07	1.2	0.91	122	20.87 C	6.07	3.28	0.142
		1.8	1.36	22.1	20.74 C	6.14	3.71	0.143
		4	3.03	4.3	20.73 C	6.20	3.87	0.144
	Oct-07[a]	0.2	0.22	766	21.59 C	5.99	4.99	0.119
		1.6	1.73	324	21.76 C	6.03	4.36	0.122
		2.2	2.38	395	22.05 C	6.04	4.38	0.122
		2.8	3.03	270	22.39 C	6.06	4.09	0.123
		3.5	3.78	144	22.56 C	6.03	4.30	0.123
		4.2	4.54	74.2	22.76 C	6.06	4.33	0.123
		4.9	5.30	61.9	22.85 C	6.07	4.38	0.123
		5.3	5.73	46.1	22.97 C	6.04	4.30	0.124
		6.2	6.70	43.8	22.71 C	6.02	4.60	0.123
		6.5	7.03	43.2	22.17 C	6.00	4.62	0.123
		6.8	7.35	46.4	22.18 C	5.99	4.52	0.123
	Apr-08[a]	0	0.00	124	24.01 C	5.34	6.30	0.133
		0.125	0.18	183	22.65 C	4.65	5.47	0.119
		0.25	0.35	79.3	22.12 C	4.25	4.98	0.117
		0.5	0.70	60.1	21.60 C	4.31	5.20	0.118
		0.75	1.06	29.7	21.40 C	4.38	5.23	0.119
		1	1.41	18.4	21.17 C	4.86	4.92	0.121
		1.25	1.76	15.1	21.05 C	5.07	4.93	0.122
		1.5	2.11	22.8	20.63 C	5.15	5.16	0.121
		2	2.82	14.2	20.56 C	5.31	5.08	0.121

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
		2.125	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
		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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		1.7	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
		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

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

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

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
		4.25	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
	Apr-15	0.40	0.61	17.30	19.58	6.42	0.51	0.888
		0.60	0.91	11.74	19.39	6.44	0.39	0.890
		0.75	1.14	6.01	19.65	6.46	0.27	0.893
		1.00	1.52	3.32	19.74	6.46	0.21	0.892
		1.20	1.82	2.03	19.76	6.47	0.19	0.895
		1.40	2.12	1.76	19.99	6.47	0.17	0.897
		1.50	2.27	1.04	19.75	6.46	0.16	0.899
		1.75	2.65	0.97	19.74	6.47	0.15	0.902
		2.00	3.03	0.75	20.07	6.47	0.14	0.901
	Oct-15	0.10	0.47	88.40	14.05	6.53	5.11	0.978
		0.40	1.88	62.20	15.68	6.64	4.20	0.965
		0.50	2.35	60.90	15.95	6.64	4.00	0.960
		0.70	3.29	40.50	15.81	6.62	3.90	0.961
		0.85	3.99	51.40	15.45	6.50	3.79	0.965
		0.95	4.46	51.50	15.53	6.58	3.81	0.966
		1.00	4.69	59.70	14.90	6.40	3.57	0.969
		1.10	5.16	68.30	15.36	6.57	3.47	0.969
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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3.5	0.417	366	18.62 C	10.34	0.39	0.511
		4	0.477	209	18.08 C	10.04	0.47	0.508
		4.5	0.536	145	18.15 C	9.92	0.58	0.506
		5.25	0.626	74.3	18.52 C	9.47	1.39	0.505
		5.75	0.685	40.7	18.2 C	9.73	0.47	0.506
		6	0.715	31.6	16.76 C	9.86	0.47	0.506
		6.2	0.739	31.3	18.24 C	9.71	0.60	0.504
		7	0.834	25.4	18.96 C	9.58	0.70	0.505
		7.5	0.894	24.6	18.62 C	9.50	0.69	0.505
		8.5	1.013	639	19.57 C	9.83	0.53	0.515
		0.05	0.006	52.1	13.62 C	9.20	4.66	0.521
		0.2	0.024	32.4	13.2 C	8.94	2.79	0.516
		0.27	0.032	37.5	12.02 C	8.72	1.64	0.515
		0.3	0.036	35.3	9.65 C	8.52	1.67	0.512
		0.35	0.042	30.2	8.99 C	8.42	1.78	0.513
		0.37	0.044	26.5	8.35 C	8.30	1.90	0.512
		0.4	0.048	30.1	9.86 C	8.34	1.99	0.514
		0.5	0.060	30.1	11.2 C	8.35	1.69	0.513
		0.6	0.072	30.4	11.92 C	8.26	1.93	0.512
		0.75	0.089	29.6	12.06 C	8.24	1.33	0.512
		0.85	0.101	29.5	11.25 C	8.21	1.02	0.511
		0.95	0.113	29.7	9.91 C	8.12	1.03	0.510
		0.97	0.116	28.5	9 C	8.05	1.08	0.511
		0.99	0.118	28.4	8.72 C	7.95	1.18	0.510
		1.05	0.125	28.7	8.9 C	7.95	1.45	0.512
		1.15	0.137	27.7	10.73 C	8.53	1.50	0.513
		1.2	0.143	28	11.23 C	8.52	1.62	0.512
		1.25	0.149	28.1	13.23 C	8.52	1.72	0.513
		1.27	0.151	27.8	13.86 C	8.49	1.42	0.514
		1.3	0.155	27.2	14.14 C	8.48	1.40	0.514
	Apr-09[a]	0	0.000		16.78 C	7.61	4.46	0.581
		0	0.000		16.43 C	7.59	0.41	0.590
		0.05	0.006	14.9	16.1 C	7.59	0.15	0.590
		0.05	0.006	14.1	15.89 C	7.64	0.06	0.590
		0.05	0.006	18.1	15.91 C	7.77	0.19	0.592
		0.1	0.012		16.26 C	7.62	0.16	0.591
		0.15	0.018		17.08 C	7.90	0.10	0.597
		0.25	0.030	23.7	17.24 C	7.93	0.08	0.600
		0.3	0.036		17.74 C	7.94	0.04	0.602
		0.35	0.042	17.8	18.02 C	7.95	0.05	0.603
		0.4	0.048	18.3	18.16 C	7.95	0.06	0.603
		0.4	0.048		18.44 C	7.96	0.22	0.603
		0.45	0.054		19.01 C	7.96	0.10	0.603
		0.5	0.060		19.49 C	7.96	0.09	0.604
		0.5	0.060	15.9	19.94 C	7.96	0.04	0.605
		0.5	0.060	15.1	19.86 C	7.96	0.03	0.606
		0.5	0.060	13.8	19.69 C	7.95	0.06	0.606
		0.5	0.060		19.66 C	7.95	0.07	0.606
		0.5	0.060		19.81 C	7.94	0.05	0.606
MW-4b	Apr-09[a]	0.5	0.060		19.72 C	7.95	0.06	0.607
		0.5	0.060		19.51 C	7.98	0.05	0.607
		0.5	0.060		19.36 C	7.94	0.04	0.607
		0.5	0.060		19.38 C	7.94	0.06	0.607
		0.55	0.066		19.61 C	7.95	0.03	0.607
		0.55	0.066		20.21 C	7.98	0.05	0.607
		0.55	0.066		20.27 C	7.98	0.05	0.608
		0.6	0.072		19.89 C	8.02	0.05	0.606
		0.6	0.072	12.4	19.93 C	8.02	0.04	0.607
		0.6	0.072	12.5	20.01 C	8.02	0.04	0.607
		0.65	0.078	12.5	20.08 C	7.98	0.04	0.607
		0.65	0.078		20.15 C	8.02	0.04	0.607
		0.65	0.078	12.3	20.18 C	8.09	0.05	0.607
		0.65	0.078	12.4	20.19 C	8.05	0.04	0.607
	Oct-09	0.5	0.060	127.7	18.50 C	9.29	0.35	0.575
		1	0.120	63.3	18.60 C	9.43	0.27	0.573
		1.25	0.150	37.7	18.79 C	9.32	0.22	0.572
		1.5	0.180	23.9	18.82 C	9.49	0.19	0.574
		1.6	0.192	21.6	18.81 C	9.40	0.15	0.571
		1.65	0.198	18.9	18.83 C	9.42	0.16	0.574
		1.75	0.210	16.02	19.02 C	9.44	0.15	0.571
		1.8	0.216	27.7	19.13 C	9.49	0.16	0.571
		1.925	0.231	14.41	19.26 C	9.47	0.33	0.570
		1.97	0.236	13.19	19.17 C	9.50	0.26	0.570
		2.1	0.251	11.42	19.06 C	9.50	0.25	0.570
		2.15	0.257	10.61	18.76 C	9.50	0.26	0.570
		2.18	0.261	16.09	18.82 C	9.44	0.18	0.569
		2.25	0.269	8.21	19.57 C	9.65	1.25	0.569
		2.3	0.275	7.73	19.18 C	9.60	0.84	0.569
		2.34	0.280	7.15	19.11 C	9.53	0.82	0.568
	Apr-10	0.2	0.021	29.9	19.57	6.89	1.44	0.409
		0.4	0.042	18	19.12	7.36	0.52	0.493
		0.6	0.063	15.6	19.01	7.50	0.35	0.506
		0.9	0.094	12.5	19.02	7.54	0.31	0.507

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	0.115	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
		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

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-4b	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
	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
	Apr-15	0.1	0.0	12.7	14.63	5.9	2.12	0.207
		0.25	0.0	22.7	16.98	7.82	0.53	0.397
		0.75	0.1	9.51	17.3	7.92	0.35	0.398
		1	0.1	5.77	16.87	7.69	0.31	0.394
		1.2	0.1	5.44	16.94	7.53	0.27	0.39
		1.4	0.1	5.3	17.08	7.49	0.25	0.388
		1.7	0.2	5.17	17.13	7.46	0.23	0.386
		1.85	0.2	4.99	17.22	7.45	0.22	0.384
	Oct-15	0.25	0.0	15.7	12.35	6.61	3.99	0.381
		0.6	0.1	11.72	12.5	6.97	2.81	0.381
		0.9	0.1	7.43	13.36	7.27	2.4	0.38
		1.2	0.1	11.6	13.37	7.27	2.27	0.379
		1.5	0.2	6.72	13.35	7.36	2.18	0.296
		1.8	0.2	6.17	13.98	7.4	2.14	0.293
		2.7	0.3	6.05	14.21	7.51	2.16	0.364
		2.7	0.3	5.65	14.51	7.55	2.22	0.348
		3	0.3	5.93	14.67	7.54	2.25	0.333
		3.3	0.4	5.86	14.66	7.51	2.35	0.323
		3.6	0.4	5.69	14.79	7.48	2.38	0.316
		3.9	0.4	5.03	15.08	7.44	2.4	0.308
		4.2	0.5	5.02	14.95	7.38	2.36	0.301
		4.5	0.5	4.99	15.11	7.35	2.3	0.298
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

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-5		2.5	0.57	3.3	21.18 C	7.32	0.36	0.142
		3	0.69	3.1	21.16 C	7.34	0.34	0.138
	Apr-08[a]	4	0.86	8.26	21.36 C	6.96	0.60	0.150
		5.5	1.18	6.13	21.38 C	6.98	0.61	0.139
		6.5	1.40	4.45	21.48 C	7.03	0.56	0.134
		7.5	1.61	1.61	21.42 C	7.11	0.42	0.130
		9.25	1.99	0.75	21.45 C	7.21	0.31	0.125
		10.5	2.26	1.81	21.37 C	7.19	0.47	0.125
		11.5	2.47	1.08	21.46 C	7.22	0.28	0.124
		13	2.80	0.68	21.56 C	7.22	0.27	0.124
		13.75	2.96	0.9	21.50 C	7.24	0.28	0.123
		14.25	3.06	0.39	21.71 C	7.23	0.28	0.123
	Oct-08	0.5	0.12	16.5	20.69 C	6.85	0.70	0.158
		1.5	0.35	12.1	21.01 C	6.58	0.53	0.151
		2	0.47	8.63	20.97 C	6.51	0.45	0.142
		2.5	0.59	8.34	20.95 C	6.53	0.45	0.142
	Apr-09	0.5	0.11	22.5	20.13 C	6.82	1.19	0.153
		1	0.21	23.9	19.34 C	6.91	1.33	0.153
		1.2	0.26	18.8	18.54 C	6.92	1.27	0.149
		1.3	0.28	12.8	18.46 C	6.94	1.07	0.143
		1.4	0.30	6.82	18.31 C	6.97	0.80	0.135
		1.5	0.32	6.49	18.29 C	6.99	0.68	0.133
		1.6	0.34	15.2	20.39 C	6.95	0.98	0.136
		1.8	0.38	9.75	19.70 C	6.94	1.26	0.138
		2	0.43	4.33	19.60 C	7.00	0.76	0.132
	Oct-09	0.75	0.15	16.42	20.80 C	7.42	0.46	0.144
		1.25	0.26	15.88	21.00 C	7.35	0.31	0.134
		2	0.41	24.5	21.30 C	7.30	0.23	0.129
		2.75	0.56	26	21.31 C	7.27	0.21	0.129
		3.25	0.67	26.1	21.35 C	7.29	0.22	0.128
		3.8	0.78	14.51	21.51 C	7.34	0.19	0.129
		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
	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

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
		7.25	1.5	3.88	21.04	6.96	0.33	0.121
		8.00	1.7	1.9	21.10	6.99	0.30	0.121
		9.00	1.9	1.29	21.13	6.99	0.29	0.121
		10.00	2.1	1.26	21.04	6.97	0.30	0.121
		10.75	2.2	1.06	21.08	6.96	0.28	0.120
	Apr-12	11.50	2.4	1.14	21.05	6.94	0.26	0.121
		13.00	2.7	1.22	21.03	6.91	0.26	0.119
		14.00	2.9	0.87	21.04	6.92	0.24	0.119
		14.75	3.1	0.8	21.03	6.93	0.23	0.118
	Oct-12	1.00	0.2	17.1	20.75	7.51	0.71	0.134
		2.00	0.4	7.05	21.11	7.13	0.49	0.124
		3.75	0.8	3.46	21.12	7.08	0.51	0.122
		4.75	1.1	2.78	21.17	7.10	0.53	0.122
		5.75	1.3	3.6	21.17	7.14	0.47	0.121
		6.75	1.5	1.27	21.27	7.24	0.32	0.122
		7.75	1.7	1.96	21.16	7.28	0.27	0.121
		8.75	1.9	2.36	21.25	7.16	0.42	0.121
		9.75	2.2	2.15	21.23	7.26	0.24	0.119
		10.75	2.4	2.49	21.27	7.30	0.21	0.118
		11.75	2.6	1.75	21.21	7.33	0.19	0.117
		12.75	2.8	1.86	21.31	7.34	0.17	0.116
		13.75	3.0	1.53	21.31	7.33	0.17	0.116
		14.75	3.3	1.23	21.27	7.34	0.16	0.115
		15.75	3.5	0.8	21.37	7.36	0.14	0.115
		16.5	3.7	0.76	21.40	7.34	0.16	0.115
	Apr-13	1.00	0.22	22.60	20.98	6.50	0.34	0.118
		3.00	0.67	9.01	21.23	6.66	0.26	0.116
		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
		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

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	0.3	27.3	20.36 C	6.65	0.60	0.202
		1.5	0.4	12.5	20.5 C	6.68	0.43	0.210
		2	0.6	6.22	20.3 C	6.69	0.40	0.217
		2.5	0.7	4.3	20.43 C	6.69	0.35	0.222
	Oct-09[a]	0.5	0.1	85.1	20.07 C	6.31	0.72	0.144
		1.25	0.4	38.2	20.54 C	6.32	0.49	0.138
		1.65	0.5	23.8	20.98 C	6.26	0.41	0.148
		2.5	0.7	27.9	21.06 C	6.39	0.35	0.167
		3.4	1.0	25.3	21.01 C	6.41	0.39	0.188
		4.25	1.2	15.95	20.91 C	6.49	0.29	0.199
		5	1.4	15.98	20.79 C	6.49	0.25	0.203
		6	1.7	13.19	20.86 C	6.53	0.22	0.207
		7.1	2.0	13.32	20.98 C	6.51	0.21	0.216
		8.25	2.3	14.42	20.87 C	6.60	0.24	0.219
		9.75	2.7	12.66	20.67 C	6.66	0.29	0.223
		10.5	2.9	12.66	20.68 C	6.67	0.28	0.224
		11.5	3.2	14.84	20.65 C	6.69	0.25	0.223
		12.5	3.5	11.8	20.86 C	6.72	0.27	0.224
		13.8	3.9	11.19	20.68 C	6.68	0.28	0.224
		14.1	3.9	11.66	20.61 C	6.61	0.37	0.225
		14.75	4.1	9.91	20.89 C	6.74	0.34	0.225
	Apr-10	1	0.3	133	21.24	5.61	0.24	0.119
		2	0.6	85.3	21.17	5.65	0.29	0.132
		3	0.8	47.1	21.19	6.12	0.31	0.208
		3.75	1.1	32.9	21.65	6.31	0.25	0.234
		4.5	1.3	53.8	21.91	6.39	0.21	0.245
		6	1.7	23	21.19	6.31	0.19	0.255
		7	2.0	115	21.15	6.35	0.16	0.260
		8	2.2	13.8	21.2	6.41	0.16	0.269
		9	2.5	8.59	21.11	6.38	0.14	0.281
		11	3.1	4.95	21.07	6.46	0.12	0.283
		12	3.4	3.28	21.13	6.48	0.11	0.288
		13	3.6	2.95	21.14	6.48	0.09	0.292
		14	3.9	3.06	21.16	6.48	0.09	0.291
		16	4.5	2.65	21.16	6.49	0.07	0.292
	Oct-10	0.5	0.2	4.91	21.21	7.04	0.56	0.530
		1	0.4	1.08	21.05	7.01	0.49	0.533
		2	0.7	0.74	21.04	7.00	0.51	0.516
		2.5	0.9	0.81	21.41	7.00	0.51	0.518
		3	1.1	0.57	21.40	7.00	0.47	0.518
	Apr-11[a]	0.5	0.1	130	19.67	6.55	2.58	0.306
		0.75	0.2	72.3	20.40	6.51	2.07	0.295
		1.25	0.4	28.5	20.43	6.50	2.08	0.280
		2	0.6	16.4	20.49	6.48	2.01	0.284
		2.75	0.8	6.45	20.44	6.49	2.24	0.286
		4.5	1.3	4.06	20.37	6.50	2.18	0.289
		5	1.5	3.25	20.37	6.50	2.13	0.292
	Oct-11	1.25	0.5	3.40	20.47	7.05	0.36	0.419
		2.5	0.9	2.59	20.52	7.02	0.37	0.430
		3.75	1.4	3.84	20.60	7.01	0.42	0.432
		5	1.9	8.91	20.18	6.92	1.23	0.421
		5.75	2.1	6.73	21.13	6.94	0.43	0.430
		8.75	3.3	5.19	20.38	6.79	0.14	0.415
		10	3.7	3.75	20.39	6.86	0.15	0.405
		11.5	4.3	3.95	20.39	6.90	0.15	0.402
		13	4.9	4.48	20.40	6.89	0.16	0.394
	Apr-12	1	0.3	11.8	20.41	7.10	0.68	0.423
		2	0.7	5.12	20.57	7.10	0.52	0.433
		3	1.0	1.64	20.75	7.08	0.40	0.436
		4	1.4	0.85	20.81	7.07	0.32	0.438
		5	1.7	0.75	20.80	7.05	0.28	0.434
		6	2.1	0.42	20.80	7.04	0.25	0.432
		7	2.4	0.13	20.83	7.02	0.23	0.431
		8	2.8	0.12	20.93	7.02	0.20	0.428
		9	3.1	0.10	20.97	7.02	0.18	0.427
		10	3.5	0.05	20.98	7.01	0.17	0.427
		11	3.8	0	21.01	7.00	0.16	0.426
		12	4.2	0	21.05	7.00	0.15	0.425
		13	4.5	0	21.08	6.94	0.14	0.426
		14	4.9	0	21.06	6.99	0.13	0.428
	Oct-12	1	0.4	14.7	21.69	6.77	0.60	0.470
		2	0.8	4.75	21.83	6.86	0.28	0.477
		4	1.6	2.49	21.85	6.84	0.22	0.473
		5	2.0	1.22	21.92	6.92	0.19	0.475
		6.0	2.4	1.0	22.0	6.9	0.2	0.5
		7.5	3.0	1.1	21.8	7.0	0.2	0.5
		8.5	3.4	1.1	21.9	6.9	0.2	0.5
	Apr-13	1.25	0.5	67.90	20.59	6.10	1.00	0.180
		2.5	1.0	19.00	20.70	6.14	0.37	0.180
		5	2.0	6.09	20.72	6.19	0.26	0.194
		5.5	2.2	4.28	20.64	6.22	0.23	0.205
		6.5	2.6	3.03	20.74	6.22	0.19	0.209
		7	2.8	3.15	20.74	6.29	0.15	0.214

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
		7.75	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
	Apr-15	2	0.6	90.30	20.13	5.98	0.93	0.107
		3	0.9	82.10	20.29	5.87	1.06	0.110
		4.5	1.3	61.40	20.94	6.01	0.87	0.140
		7	2.0	26.80	20.74	6.31	0.38	0.227
		10	2.9	10.91	20.94	6.91	0.29	0.241
		13	3.7	6.91	20.99	6.48	0.21	0.241
		17	4.9	4.31	21.10	6.49	0.25	0.245
		21	6.0	5.41	21.13	6.48	0.22	0.240
	Oct-15	0.5	0.1	12.43	18.31	6.07	3.78	0.059
		1.0	0.3	10.98	18.33	6.13	2.98	0.069
		2.5	0.7	9.13	18.68	6.18	2.64	0.071
		3.0	0.9	6.88	18.65	6.19	2.69	0.080
		5.0	1.5	2.05	18.75	6.23	2.10	0.116
		7.0	2.1	1.22	18.75	6.26	0.93	0.147
		9.0	2.7	1.02	18.72	6.32	0.71	0.188
		10.5	3.1	1.02	18.74	6.41	0.69	0.206
		12.0	3.6	0.82	18.77	6.47	0.67	0.215
		13.0	3.9	0.80	18.74	6.47	0.69	0.215
		14.0	4.2	1.03	18.76	6.47	0.70	0.222
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

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-7R	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
		22	13.10	35.3	23.8 C	5.94	6.17	0.093
	Apr-07	4.5	3.41	829	19.57 C	5.92	7.06	0.105
		6	4.55	429	19.47 C	5.84	6.89	0.104
		7	5.30	286	19.56 C	5.82	6.86	0.105
		10	7.58	82.5	19.68 C	5.82	7.22	0.104
		14	10.61	11.9	19.57 C	5.81	6.82	0.105
		14.5	10.98	6.32	19.61 C	5.81	6.81	0.104
	Oct-07[a]	0.3	0.27	1100	18.79 C	5.91	4.79	0.115
		1.5	1.36	630	19.57 C	5.96	4.98	0.105
		2.4	2.18	258	19.44 C	5.96	4.78	0.104
		3.5	3.18	134	19.97 C	5.94	4.74	0.104
		4.4	4.00	108	19.91 C	5.95	4.75	0.104
		5.6	5.09	118	19.66 C	5.95	4.86	0.104
		6.7	6.09	58	19.76 C	5.92	5.92	0.104
		7.6	6.91	52	19.81 C	5.92	4.77	0.103
		8.8	8.00	53	19.82 C	5.90	4.95	0.103
		9.5	8.64	43.1	19.61 C	5.89	5.00	0.103
		10	9.09	40.6	19.63 C	5.89	4.93	0.103
		10.4	9.45	38.9	19.88 C	5.89	5.06	0.103
	Apr-08[a]	0.25	0.26	654	20.06 C	6.21	4.94	0.153
		0.75	0.78	702	20.25 C	6.01	4.91	0.129
		1.5	1.56	401	20.97 C	5.96	4.80	0.125
		2.5	2.60	262	21.02 C	5.94	4.37	0.123
		3.75	3.91	147	20.77 C	5.92	4.95	0.121
		5	5.21	114.2	20.31 C	5.84	4.57	0.120
		5.25	5.47	209	21.91 C	5.90	4.69	0.119
		5.35	5.57	135	21.23 C	5.96	5.12	0.119
	Oct-08[a]	0.1	0.11	475	18.7 C	6.08	3.53	0.138
		0.25	0.27	292	19.23 C	5.85	4.21	0.125
		0.5	0.54	151	19.4 C	5.74	5.30	0.114
		1	1.09	120	19.72 C	5.70	5.52	0.111
		1.2	1.30	86	19.73 C	5.78	5.59	0.110
		1.4	1.52	61.3	19.28 C	5.72	5.74	0.109
		1.5	1.63	56.3	19.01 C	5.69	5.75	0.109
		1.7	1.85	49.3	18.93 C	5.69	5.72	0.109
		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

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	6.11	21.1	20.49	5.59	5.50	0.115
		11.25	6.25	22.4	20.74	5.73	5.46	0.116
		12	6.67	16.9	21.02	5.75	5.45	0.116
		12.5	6.94	23	21.42	5.79	5.42	0.116
	Oct-10	0.5	0.3	229	20.01	5.95	6.40	0.129
		2.75	1.6	67.8	20.36	5.90	7.04	0.124
		4.5	2.6	66.1	20.59	5.90	6.99	0.123
		7.5	4.3	32.9	19.68	5.86	7.10	0.124
		8.5	4.9	28.1	19.62	5.86	7.19	0.123
		9.5	5.4	30.3	19.62	5.86	7.17	0.124
	Apr-11[a]	0.5	0.3	602	19.52	5.76	6.47	0.128
		1.5	1.0	262	19.64	5.83	6.93	0.122
		4.5	3.0	193	19.64	5.83	6.93	0.121
		5.5	3.7	109	19.72	5.83	6.94	0.122
		7	4.7	106	19.8	5.80	6.96	0.122
		9	6.0	74.1	19.86	5.78	6.95	0.122
		10	6.7	78.4	19.86	5.75	6.98	0.122
		12	8.1	51.2	19.9	5.75	6.96	0.122
	Apr-11[a]	13.5	9.1	88.7	19.63	5.72	7.03	0.122
		16	10.7	29.6	19.48	5.72	7.01	0.121
		19.5	13.1	19	19.47	5.70	6.99	0.123
		20	13.4	23.5	19.45	5.67	7.00	0.122
		20.5	13.8	18.7	19.5	5.66	6.94	0.122
		22	14.8	23.2	19.46	5.64	6.93	0.122
	Oct-11	0.5	0.4	894	19.61	5.88	5.48	0.122
		2	1.4	615	19.15	5.69	5.97	0.118
		4	2.8	340	19.16	5.83	6.00	0.117
		6	4.3	193	19.18	5.73	5.96	0.117
		8	5.7	130	19.25	5.76	5.95	0.117
	Apr-12	1.25	1.4	76.1	18.86	5.94	5.22	0.120
		2.5	2.7	51.4	18.93	5.93	5.20	0.118
		4	4.4	34.3	19.00	5.92	5.13	0.118
		5	5.5	18.4	18.95	5.91	5.09	0.118
		6	6.6	13.7	19.01	5.90	5.05	0.117
		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

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	6.2	8	22.23 C	6.21	0.80	1.120
	May-05	2.4	1.0	106	19.44 C	6.35	0.47	0.372
		4.8	2.0	25.9	19.27 C	6.38	0.38	0.492
		5.2	2.2	22.8	19.23 C	6.39	0.35	0.514
	Jul-06	1.5	0.8	422	19.46 C	7.39	2.10	0.577
		3	1.7	367	19.65 C	7.20	1.64	0.663
		5	2.1	124	19.48 C	7.05	0.12	0.904
		6	2.6	100	19.49 C	7.03	0.11	0.918
		8	3.4	52.6	19.50 C	6.99	0.09	0.941
	Apr-07	1.5	0.9	320	20.42 C	6.92	0.49	1.733
		2	1.2	58.4	20.35 C	6.95	0.44	1.879
		4	2.4	38.7	20.38 C	6.99	0.83	2.044
		6.5	3.9	38.2	20.39 C	6.99	0.55	2.077
		8.5	5.1	25.5	20.38 C	6.99	0.53	2.066
	May-07			299	23.5 C	7.28	1.93	1.640
				372	22.5 C	7.24	0.55	1.620
				205	22.1 C	7.23	0.26	1.580
				195	21.7 C	7.23	0.17	1.560
	Oct-07[a]	0	0.0	168.8	17.51 C	6.36	2.75	1.237
		0.2	0.2	140.3	18.07 C	6.40	2.18	1.200
		0.3	0.3	105.2	18.32 C	6.37	1.64	1.176
		0.4	0.4	73.9	18.8 C	6.38	1.12	1.164
		0.6	0.6	57.1	19.03 C	6.37	0.78	1.174
		0.75	0.7	44.7	19.01 C	6.37	0.72	1.176
		0.85	0.8	25.5	19.54 C	6.36	0.81	1.174
		1	0.9	18.8	19.76 C	6.37	0.78	1.173
		1.2	1.1	15.5	20.27 C	6.38	0.73	1.173
		1.3	1.2	14.3	20.73 C	6.38	0.73	1.173
		1.4	1.3	12.4	21.26 C	6.38	0.71	1.170
		1.4	1.3	11.3	21.98 C	6.38	0.68	1.171
		1.5	1.4	10.8	22.15 C	6.38	0.65	1.174
		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

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		1.35	1.0	12.5	19.09 C	6.42	1.09	0.930
		1.5	1.1	12.6	19.12 C	6.42	0.78	0.940
		1.85	1.3	14.3	19.13 C	6.42	0.64	0.947
		1.95	1.4	12.5	19.34 C	6.43	0.69	0.951
		2.05	1.5	13.3	19.4 C	6.43	0.75	0.958
		2.3	1.6	13.7	19.32 C	6.43	0.64	0.969
		2.5	1.8	10.8	19.3 C	6.42	0.58	0.970
		2.6	1.9	11.6	19.3 C	6.42	0.58	0.972
		2.7	1.9	9.8	19.28 C	6.42	0.56	0.974
	Apr-10 [a]	0.2	0.1	538	19.28	6.25	1.31	0.319
		0.5	0.4	434	18.82	6.22	0.94	0.358
		1	0.7	243	18.63	6.30	0.65	0.462
		1.5	1.1	170	18.65	6.34	0.58	0.509
		2.25	1.6	120	18.66	6.38	0.52	0.555
		3	2.1	72.5	18.6	6.41	0.49	0.592
		3.7	2.6	69.1	18.57	6.42	0.46	0.622
		4.4	3.1	50.2	18.57	6.44	0.43	0.647
		5.1	3.6	37.4	18.83	6.45	0.41	0.664
		5.8	4.1	33.5	18.84	6.47	0.39	0.680
		6.5	4.6	29.5	18.83	6.49	0.38	0.690
		7.2	5.1	40.5	18.78	6.50	0.36	0.699
		7.9	5.6	33.3	18.69	6.50	0.36	0.706
		8.7	6.2	23.5	18.65	6.49	0.34	0.711
		9.4	6.7	24.3	18.63	6.48	0.32	0.717
		9.75	7.0	22.8	18.66	6.49	0.32	0.719
		10.1	7.2	22.2	18.79	6.49	0.31	0.722
		10.45	7.5	20.5	18.8	6.49	0.31	0.726
	Oct-10	0	0.0	285	20.37	6.72	2.36	0.815
		2.25	0.9	27.0	19.60	6.65	0.33	0.924
		5.65	2.4	15.0	19.41	6.64	0.25	0.952
		6.45	2.7	12.0	19.37	6.64	0.30	0.968
		6.85	2.9	11.8	19.38	6.63	0.29	0.970
		7.25	3.0	9.8	19.40	6.64	0.30	0.974
	Apr-11 [a]	0.25	0.2	592	20.60	6.72	5.27	1.039
		0.6	0.4	394	19.06	6.44	4.48	1.030
		1	0.6	221	18.88	6.59	4.18	1.028
		1.45	0.9	105	18.77	6.68	4.10	1.043
		2	1.3	62.5	18.67	6.70	4.09	1.036
		2.6	1.7	45.7	18.57	6.72	4.02	1.021
		3.35	2.2	34.8	18.70	6.71	3.95	1.023
		4.15	2.7	29.5	18.60	6.72	3.94	1.029
		4.8	3.1	27.4	18.93	6.76	3.91	1.036
		5.4	3.5	32.7	19.19	6.72	3.95	1.042
		6	3.9	34.2	18.94	6.72	3.94	1.028
		6.3	4.1	27.4	18.89	6.73	3.90	1.026
		6.6	4.3	31.8	18.86	6.72	3.94	1.031
		6.9	4.5	28.2	18.91	6.73	3.91	1.033
	Oct-11	0.25	0.2	436	19.24	6.56	3.61	0.937
		0.5	0.5	437	19.22	6.53	3.03	0.919
		0.75	0.7	415	19.18	6.52	3.37	0.903
		1	0.9	192	19.17	6.50	3.19	0.887
		1.25	1.1	129	19.17	6.51	3.63	0.885
		1.5	1.4	62.2	19.18	6.52	3.60	0.886
		1.75	1.6	48.3	19.19	6.52	3.50	0.885
		2	1.8	36.3	19.20	6.52	3.57	0.885
		2.25	2.0	26.4	19.20	6.53	3.84	0.884
		2.5	2.3	22.5	19.20	6.54	3.86	0.883
		2.75	2.5	17.2	19.18	6.54	3.97	0.883
		3	2.7	14.1	19.19	6.54	4.15	0.884
		3.25	2.9	12.6	19.17	6.54	4.26	0.884
		3.5	3.2	8.75	19.18	6.54	4.86	0.884
	Nov-11	0.5	0.5	683	18.74	6.18	3.20	0.812
		0.75	0.8	654	18.53	6.18	1.87	0.809
		1	1.0	609	18.67	6.31	1.87	0.812
		1.25	1.3	387	18.78	6.38	1.79	0.815
		1.5	1.5	271	18.77	6.37	1.71	0.819
		1.75	1.8	219	18.80	6.39	1.60	0.822
		2	2.0	177	18.75	6.42	1.53	0.825
	Nov-11	2.25	2.3	128	18.76	6.43	1.49	0.827
		2.5	2.6	120	18.71	6.45	1.47	0.832
		2.75	2.8	67.0	18.70	6.45	1.48	0.834
		3	3.1	42.2	18.74	6.45	1.49	0.837
		3.25	3.3	35.5	18.78	6.46	1.51	0.841
	Apr-12	0.05	0.1	34.5	21.08	6.07	0.70	1.022
		0.2	0.2	27	20.61	6.14	0.50	1.027
		0.4	0.5	21.8	20.82	6.35	0.47	1.029
		0.5	0.6	20.4	20.59	6.40	0.45	1.030
		0.6	0.7	20.1	20.05	6.33	0.37	1.029
		0.75	0.9	14.6	19.94	6.29	0.33	1.029
		1	1.1	14.4	19.98	6.38	0.29	1.030
		1.25	1.4	15.5	19.92	6.41	0.27	1.031
		1.4	1.6	13.25	19.92	6.43	0.27	1.032
		1.6	1.8	10.66	20.01	6.46	0.24	1.033

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	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
	Oct-12	0.19	0.4	>1000	23.99	6.71	0.15	1.120
	Apr-13	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
	Oct-13	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
	Apr-14	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
	Oct-14	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
	Apr-15	0.5	0.2	22.90	20.60	6.43	0.50	0.792
		0.8	0.4	15.80	20.28	6.46	0.33	0.759
		1.25	0.6	12.01	20.23	6.47	0.26	0.772
		1.75	0.9	8.10	20.64	6.50	0.22	0.779
		2	1.0	6.52	20.55	6.50	0.20	0.787
		2.5	1.2	5.45	20.25	6.51	0.17	0.794
		2.8	1.4	4.67	20.59	6.52	0.16	0.799
		3.25	1.6	3.69	20.64	6.51	0.15	0.797
		3.75	1.9	4.60	20.57	6.52	0.15	0.801
		4	2.0	2.22	20.75	6.52	0.14	0.800
		4.5	2.2	1.95	20.65	6.53	0.13	0.802
		4.8	2.4	2.40	20.72	6.53	0.13	0.802
		5.25	2.6	3.03	20.66	6.52	0.13	0.800
		5.5	2.7	1.72	20.88	6.52	0.12	0.800
	Oct-15	0.5	0.3	71000.00	17.29	6.33	1.76	0.328
		1	0.6	28.00	17.57	6.58	1.20	0.348
		1.5	0.9	19.50	17.58	6.59	1.17	0.355
		3	1.9	12.90	17.71	6.59	0.95	0.388
		3.5	2.2	12.30	17.74	6.60	0.87	0.397
		4	2.5	6.94	17.69	6.61	0.73	0.418
		4.5	2.8	5.41	17.66	6.61	0.70	0.424
		5	3.2	7.85	17.62	6.61	0.67	0.430
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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2	1.8	20.2	25.89 C	6.36	0.64	0.411
		2.5	2.3	18.8	27.08 C	6.33	0.51	0.422
		3	2.8	19.2	27.47 C	6.32	0.48	0.421
		3.5	3.2	12.8	26.44 C	6.37	0.60	0.524
		4	3.7	11.7	26.47 C	6.43	0.51	0.557
		4.5	4.1	12.5	27.52 C	6.48	0.35	0.571
		5	4.6	13.6	29.15 C	6.50	0.33	0.575
		5.5	5.0	24.2	26.28 C	6.49	0.29	0.570
		6	5.5	37	22.13 C	6.43	0.55	0.616
		7	6.4	20.9	23.94 C	6.52	0.35	0.664
		7.5	6.9	9.5	24.87 C	6.50	0.32	0.654
	Jul-06	3	2.8	8.6	20.87 C	6.42	1.78	0.278
		5	4.6	3.1	20.92 C	6.64	2.55	0.391
		7	6.4	5.8	20.94 C	6.75	2.58	0.450
		8.5	7.8	5.7	20.92 C	6.81	2.33	0.476
	Apr-07	0.1	0.1	47.5	20.30 C	6.67	1.95	0.376
		0.9	0.8	21.9	19.86 C	6.62	1.02	0.531
		2.8	2.5	8.3	19.83 C	6.63	1.02	0.569
		3.5	3.1	4.2	19.83 C	6.74	0.98	0.571
	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
	Apr-15	0.25	0.2	49.1	20.22	4.88	4.40	0.114
		1.25	0.8	25	20.11	5.08	1.29	0.139
		1.75	1.1	15.2	20.02	5.20	1.02	0.138
		2.4	1.5	11.4	20.07	5.36	0.67	0.151
		3	1.9	7.77	20.09	5.60	0.50	0.178
		3.5	2.2	5.51	19.94	5.70	0.40	0.200
		4	2.5	4.08	20.07	5.82	0.35	0.221
		4.5	2.8	3.13	20.15	5.90	0.31	0.240
		5	3.1	3.47	20.1	5.98	0.28	0.256
		5.5	3.4	2.98	20.12	6.04	0.24	0.275
		6	3.8	2.13	20.17	6.03	0.21	0.285
		6.5	4.1	3.2	20.14	6.09	0.20	0.300
		7	4.4	3.49	20.18	6.11	0.22	0.312
		7.5	4.7	2.19	20.11	6.11	0.20	0.320
	Oct-15	0.5	0.4	55.2	20.35	6.93	2.48	0.659
		1	0.9	85.5	20.18	6.92	2.75	0.571
		1.5	1.3	89.2	20.35	6.91	2.96	0.593
		2	1.7	108.7	20.34	6.92	2.84	0.573
		2.5	2.2	104.9	20.04	6.89	2.83	0.555

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3	2.6	76	20.52	6.91	2.89	0.556
		3.5	3.0	110	20.67	6.94	2.98	0.544
		4	3.5	924	20.62	6.87	-	0.543
		4.5	3.9	101.7	20.61	6.88	2.82	0.542
		5	4.3	117	20.42	6.84	2.77	0.537
		5.5	4.8	111	20.71	6.95	2.78	0.557
		6	5.2	112	20.73	6.93	2.60	0.553
MW-9b	Dec-01	20	3.3	8	20.3 C	10.76	1.01	0.960
		40	6.7	3	19.7 C	9.61	1.02	0.790
		60	10.0	3	19.8 C	9.13	1.03	0.792
	May-02	20	3.3	264	20.8 C	8.69	0.91	1.080
		40	6.7	44	20.6 C	6.80	0.06	1.080
		60	10.0	32	20.6 C	6.79	0.05	1.070
		6	1.0	152	20.7 C	6.07	0.39	1.150
		12	2.0	128	20.3 C	5.98	0.23	1.140
		18	3.0	54	20.3 C	6.02	0.36	1.130
	Sep-03[b]	6	1.0	247	23.4 C	7.24	0.37	1.490
		12 [c]	2.0	576	22.9 C	7.24	0.35	1.440
		18 [c]	3.0	763	21.9 C	7.34	0.32	1.370
		24 [c]	4.0	> 999	21.9 C	7.36	0.32	1.360
		30 [c]	5.0	>999	21.9 C	7.32	0.34	1.370
	May-04	1	0.3	17.1	21.58 C	6.76	0.48	1.500
		1.5	0.4	10.9	22.27 C	6.76	0.41	1.500
		2	0.5	15.8	21.57 C	6.78	0.46	1.510
		2.5	0.6	7.8	23.65 C	6.77	0.37	1.490
		3	0.8	7.3	23.75 C	6.79	0.43	1.510
		3.5	0.9	8.1	23.53 C	6.79	0.41	1.520
		4	1.0	6.3	23.73 C	6.79	0.41	1.520
	Jul-06	4	1.0	6.2	22.04 C	6.76	0.01	0.886
		7	1.8	18.5	22.18 C	6.76	1.08	0.911
		8	2.0	10	24.26 C	6.78	0.69	0.876
		8.5	2.2	8	24.90 C	6.77	0.40	0.887
	Apr-07	1	0.2	25.2	20.26 C	11.20	1.87	0.680
		2.5	0.5	30.7	20.34 C	11.08	3.88	0.528
		5	0.9	450	21.13 C	8.56	2.16	0.626
		7.5	1.4	358	20.71 C	7.26	0.79	1.023
		9	1.7	190	20.8 C	7.16	5.21	1.022
		10	1.8	80	21.14 C	7.13	5.69	1.025
		12	2.2	77	21.97 C	7.13	5.42	1.034
		14	2.6	177	21.77 C	7.21	6.41	1.033
		15	2.8	63.2	21.71 C	7.27	5.81	1.184
		16	2.9	27.9	20.39 C	7.20	5.42	1.179
		17	3.1	12.4	20.32 C	7.15	5.27	1.181
		18	3.3	10.3	20.31 C	7.16	5.16	1.132
		18.5	3.4	11.3	20.16 C	7.19	4.81	1.183
		20	3.7	9.6	20.19 C	7.18	4.84	1.185
	Oct-07[a,d]	1	0.2	37.6	20.19 C	7.23	0.42	0.789
		2.1	0.3	26.7	20.15 C	7.23	0.48	0.792
		3.7	0.6	68	20.55 C	7.23	0.16	0.788
		5	0.8	50.06	21.19 C	7.24	0.10	0.782
		6.1	1.0	26.3	21.1 C	7.24	0.10	0.785
		7.2	1.2	24.4	21.28 C	7.28	0.09	0.786
		8	1.3	54.8	21.61 C	7.36	0.14	0.778
		9.3	1.5	80.1	21.69 C	7.35	0.13	0.775
MW-9b	Oct-07[a,d]	10.3	1.7	81.5	22.11 C	7.37	0.11	0.774
		11.6	1.9	555	21.46 C	7.30	0.66	0.777
		12.6	2.1	352	21.3 C	7.31	1.95	0.767
		13.1	2.2	64	22.24 C	7.34	3.05	0.762
		13.5	2.2	94	23.23 C	7.34	4.57	0.780
		14	2.3	97	25.29 C	7.34	4.31	0.787
		14.5	2.4	130	24.48 C	7.33	4.85	0.787
		15.1	2.5	130	29.73 C	7.39	4.12	0.811
		16.4	2.7	105.5	20.34 C	7.39	2.95	0.799
		17.6	2.9	37.5	20.25 C	7.27	1.67	0.795
		18	3.0	35.2	20.09 C	7.26	1.73	0.794
		18.5	3.0	36	20.42 C	7.25	1.78	0.793
	Apr-08[a]	0.15	0.0	267	17.54 C	7.05	0.25	0.831
		0.3	0.1	175	16.8 C	7.14	0.32	0.830
		0.45	0.1	191	15.87 C	7.14	0.56	0.825
		0.6	0.1	202	16.81 C	7.19	0.41	0.817
		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

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		2.7	0.5	22.6	19.51 C	7.23	0.29	0.804
		2.9	0.5	21.7	20.14 C	7.25	0.24	0.809
		3.1	0.5	20	20.45 C	7.26	0.23	0.811
		3.3	0.6	29.8	20.5 C	7.25	0.36	0.814
		3.5	0.6	21.9	20.65 C	7.24	0.24	0.813
		3.7	0.6	32	20.94 C	7.26	0.19	0.814
		3.9	0.7	26.7	20.3 C	7.27	0.14	0.813
		4.1	0.7	27.5	21.01 C	7.27	0.12	0.814
		4.3	0.7	25.8	21.04 C	7.27	0.10	0.815
		4.5	0.8	28.9	21.14 C	7.31	0.21	0.817
		4.7	0.8	22.6	21.17 C	7.23	0.12	0.817
		4.9	0.8	23.4	21.38 C	7.24	0.07	0.818
		5.1	0.9	19.1	22.17 C	7.25	0.06	0.818
		5.3	0.9	22.3	21.74 C	7.24	0.04	0.818
		5.5	0.9	18.5	22.01 C	7.25	0.04	0.820
		5.7	1.0	16.3	22.08 C	7.23	0.09	0.822
		6.1	1.0	18.6	22.91 C	7.27	0.04	0.827
		6.3	1.1	16.6	22.71 C	7.23	0.04	0.822
		6.5	1.1	17.2	22.36 C	7.23	0.04	0.823
		7.25	1.2	16.5	22.09 C	7.26	0.24	0.828
		7.5	1.3	17	22.64 C	7.25	0.10	0.828
		8.5	1.4	15.8	22.78 C	7.25	0.06	0.830
		9.5	1.6	15.1	22.82 C	7.26	0.05	0.831
		10	1.7	16.5	22.63 C	7.25	0.05	0.826
		10.5	1.8	17.4	22.67 C	7.25	0.05	0.825
		11	1.9	14.8	22.39 C	7.25	0.04	0.823
	Oct-08	0.25	0.0	63.2	19.52 C	8.62	1.33	0.809
		0.5	0.1	33.9	19.88 C	8.65	1.02	0.806
		1	0.2	13.9	20.04 C	8.65	0.87	0.809
		2	0.3	8.44	19.96 C	8.62	0.78	0.803
		3	0.5	8.33	20.02 C	8.52	0.70	0.808
	Apr-09	0.1	0.0	126	19.28 C	7.04	0.94	0.830
		0.2	0.0	48.2	19.05 C	7.01	0.77	0.834
		0.3	0.0	24.6	19.34 C	7.01	0.71	0.836
		0.4	0.1	20.8	19.18 C	7.01	0.63	0.835
		0.6	0.1	20.3	19.34 C	7.01	0.57	0.835
		0.8	0.1	19.9	19.02 C	7.01	0.57	0.834
		1	0.2	13.5	19.46 C	7.00	0.51	0.833
		1.2	0.2	9.09	19.63 C	7.02	0.41	0.832
		1.4	0.2	7.14	19.51 C	7.03	0.39	0.830
		1.6	0.2	7.72	19.17 C	7.03	0.38	0.828
		1.8	0.3	5.03	19.75 C	7.01	0.39	0.832
	Oct-09	0.2	0.0	19.36	21.31 C	8.93	0.53	0.811
		0.25	0.0	17.76	21.19 C	8.84	0.47	0.812
		0.35	0.1	13.37	21.38 C	8.74	0.39	0.815
		0.65	0.1	22.6	21.17 C	8.68	0.35	0.818
		1.1	0.2	16.74	21.14 C	8.54	0.29	0.820
		1.35	0.2	11.97	21.15 C	8.53	0.30	0.819
		1.5	0.2	9.71	21.32 C	8.50	0.29	0.819
		1.8	0.3	7.89	21.22 C	8.60	0.25	0.821
	Apr-15	2.5	0.4	36	20.05	8.92	2.78	0.525
		5	0.8	22.1	20.18	7.48	0.40	0.904
		7	1.1	14.2	20.32	7.26	0.15	0.968
		9	1.4	6.89	20.4	7.21	0.15	0.973
		11	1.7	11.5	20.45	7.20	0.12	0.971
		14	2.1	8.26	20.44	7.19	0.11	0.963
		17	2.6	5.41	20.49	7.17	0.09	0.957
		20	3.0	4.32	20.39	7.17	0.05	0.957
		22	3.3	2.85	20.41	7.16	0.08	0.957
	Oct-15	3	0.5	911	19.38	6.73	1.29	0.527
		6	0.9	63	19.39	6.85	0.62	0.532
		9	1.4	20.9	19.35	6.88	0.54	0.558
		12	1.9	20.8	19.61	7.00	4.93	0.535
		15	2.4	22.9	19.53	6.81	0.34	0.511
		18	2.8	22.2	19.54	6.92	0.34	0.605
		20	3.2	12.5	19.55	6.93	0.44	0.615
		20.5	3.2	6.65	19.67	6.92	0.98	0.623
		21	3.3	9.62	19.59	6.92	0.98	0.623
		21.5	3.4	5.68	19.61	6.93	0.99	0.626
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

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	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
		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

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

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

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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3.75	1.2	107.8	17.35	6.23	0.78	0.267
		5.25	1.7	76.7	17.39	6.25	0.63	0.270
		6.25	2.0	48.5	17.42	6.25	0.55	0.271
		7.25	2.4	26.2	17.44	6.25	0.49	0.273
		9.5	3.1	16.2	17.46	6.25	0.41	0.274
		11.25	3.7	42.4	17.45	6.26	0.34	0.278
		12.5	4.1	57.3	17.51	6.27	0.27	0.280
		14.25	4.6	27	17.5	6.26	0.27	0.279
		15.25	5.0	16.8	17.57	6.26	0.28	0.277
		17	5.5	21.5	17.58	6.25	0.29	0.276
		17.5	5.7	14.1	17.6	6.25	0.30	0.276
		18	5.9	24.3	17.58	6.25	0.32	0.277
	Oct-10	0.5	0.4	264	17.39	6.72	0.28	0.492
		1.5	1.1	127	17.46	6.73	0.17	0.487
		2.75	2.0	8.93	17.47	6.69	0.20	0.470
		4	2.9	8.8	17.44	6.67	0.36	0.464
		4.75	3.5	4.97	17.68	6.67	0.30	0.466
	Apr-11	3	1.3	246	17.38	6.44	3.46	0.294
		5	2.2	145	17.39	6.41	3.23	0.289
		6	2.6	240	17.43	6.43	3.02	0.301
		6.5	2.8	103	17.38	6.45	2.81	0.305
		7	3.0	144	17.23	6.51	2.69	0.365
		8	3.5	187	18.12	6.37	2.67	0.285
		10	4.3	42.3	17.92	6.37	2.63	0.288
		12	5.2	26.5	17.75	6.37	2.80	0.289
		15	6.5	19.2	17.71	6.37	2.64	0.288
		17	7.4	12.1	17.74	6.39	2.61	0.295
		19	8.3	8.72	17.68	6.39	2.58	0.295
	Oct-11	0.15	0.2	695	17.41	6.59	1.20	0.500
		0.5	0.7	653	17.75	6.71	0.49	0.515
		1	1.4	767	17.62	6.68	0.35	0.525
		1.5	2.1	688	17.61	6.64	0.33	0.516
		2	2.8	213	18.23	6.70	0.32	0.516
		2.5	3.5	80.7	18.15	6.73	0.29	0.528
	Apr-12	1.25	1.0	107.7	17.39	6.67	0.77	0.454
		2.25	1.8	44.7	17.53	6.67	0.85	0.453
		3.75	3.0	28.8	17.58	6.64	0.67	0.451
		4.25	3.5	12.9	17.58	6.62	0.56	0.448
		5	4.1	8.22	17.6	6.60	0.49	0.443
		6	4.9	3.29	17.59	6.60	0.41	0.440
		7	5.7	3.1	17.63	6.59	0.37	0.437
	Oct-12	0.09	1.0	215	17.98	6.46	5.44	0.508
		0.15	1.7	215	17.76	6.60	4.43	0.515
		0.25	2.8	231	17.66	6.73	4.62	0.518
		0.35	3.9	110	17.74	6.71	4.89	0.517
		0.45	5.0	68.2	17.67	6.76	4.65	0.518
		0.5	5.6	118	17.76	6.73	3.88	0.516
	Apr-13	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
	Oct-13	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
	Oct-14	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
	Apr-15	3.00	1.88	27.10	17.42	5.84	0.15	0.397
		6.00	3.75	9.99	17.42	5.85	0.12	0.351
		9.00	5.63	8.71	17.44	5.93	0.16	0.343
		12.00	7.50	5.04	17.43	5.99	0.16	0.344
		15.00	9.38	4.11	17.44	5.98	0.18	0.343
	Oct-15	0.50	0.36	729.00	15.16	6.25	2.48	0.396
		1.00	0.71	24.00	15.97	6.30	1.81	0.382
		2.00	1.43	25.30	15.82	6.29	0.97	0.346
		3.00	2.14	19.00	15.80	6.29	0.93	0.346

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
		4.00	2.86	11.42	15.80	6.29	0.79	0.352
		4.50	3.21	8.23	15.78	6.28	0.73	0.350
		5.00	3.57	7.24	15.84	6.28	0.67	0.346
		5.50	3.93	7.70	15.83	6.28	0.64	0.349
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
		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

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-12	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
	Apr-11[a]	1.65	2.1	5.65	18.99	6.59	4.37	0.371
		1.85	2.3	5.24	18.88	6.60	4.31	0.372
		2.05	2.6	5.24	18.59	6.59	4.23	0.372
		2.25	2.8	4.61	18.67	6.59	4.11	0.373
		2.35	2.9	4.58	18.87	6.60	4.03	0.373
		2.45	3.1	3.53	19.07	6.61	3.91	0.374
	Oct-11	Not sampled due to access restrictions						
	Apr-12	0.1	1	>1000	19.9	6.03	1.02	0.474
		0.2	2	>1000	18.78	6.41	0.88	0.415
		0.3	3	>1000	18.53	6.20	1.20	0.409
		0.4	4	>1000	18.36	5.96	1.24	0.410
		0.5	5	>1000	18.96	6.38	1.02	0.406
	Oct-12	Not sampled due to insufficient water						
	13-Apr	0	0	56.5	18.92	6.16	1.53	0.456
		0.2	0.3	40.3	18.73	5.67	0.57	0.459
		0.3	0.4	8.17	18.66	6.18	0.89	0.454
		0.5	0.6	8.12	20.46	6.45	0.43	0.454
		0.7	0.9	5.21	18.77	6.05	0.34	0.455
		1	1.3	3.75	19.07	6.33	0.35	0.449
		1.2	1.5	3.01	19.20	6.38	0.34	0.447
		1.5	1.9	5.47	19.20	6.37	0.31	0.444
	13-Oct	0	0	0	19.48	6.58	1.71	0.328
		0.4	0.5	35.2	18.72	6.64	0.56	0.323
		0.75	0.9	9.71	18.57	6.65	0.47	0.322
		1	1.3	5.48	18.69	6.66	0.41	0.322
		1.3	1.6	6.12	18.54	6.66	0.33	0.323
		1.45	1.8	3.55	18.63	6.66	0.31	0.323
		1.6	2.0	3.01	18.56	6.66	0.28	0.323
	14-Apr	0.5	0.6	91.53	16.76	6.28	0.39	0.375
		1.0	1.3	58.1	16.59	6.39	0.40	0.376
		1.5	1.9	28.0	16.56	6.42	0.44	0.377
		2.0	2.5	17.8	16.69	6.45	0.43	0.377
		2.5	3.1	6.22	16.63	6.48	0.37	0.373
		3.0	3.8	5.23	16.73	6.50	0.34	0.370
		3.5	4.4	3.32	16.71	6.50	0.32	0.367
		4.0	5.0	2.50	16.72	6.52	0.30	0.363
		4.5	5.6	2.15	16.62	6.52	0.29	0.361
	Oct-14	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
	Apr-15	0.20	0.18	24.60	18.43	6.19	0.43	0.351
		0.75	0.69	16.10	18.28	6.29	0.32	0.356
		1.00	0.92	7.24	18.27	6.33	0.25	0.355
		1.50	1.38	6.10	18.21	6.36	0.22	0.353
		2.00	1.83	3.59	18.29	6.38	0.20	0.350
		2.40	2.20	2.45	18.38	6.39	0.18	0.348
		2.75	2.52	2.93	18.24	6.39	0.17	0.347
		3.00	2.75	3.10	18.24	6.39	0.16	0.346
		3.50	3.21	1.56	18.24	6.41	0.15	0.346
		4.00	3.67	1.35	18.40	6.45	0.14	0.345
		4.50	4.13	0.94	18.93	6.44	0.13	0.344

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		5.00	4.59	1.00	18.87	6.40	0.14	0.345
		5.50	5.05	0.97	19.33	6.45	0.12	0.345
	Oct-15	0.75	1.09	20.90	17.22	5.54	3.12	0.475
		1.00	1.45	15.90	17.35	6.03	3.04	0.339
		1.25	1.81	22.70	17.61	6.17	3.20	0.327
		1.50	2.17	14.80	17.49	6.12	2.69	0.336
		2.00	2.90	23.00	17.74	6.16	2.09	0.336
		2.50	3.62	57.00	17.98	6.39	3.38	0.341
		3.00	4.35	32.00	18.08	6.19	2.62	0.343
		3.25	4.71	31.00	17.18	6.44	2.76	0.346
		3.50	5.07	31.00	17.99	6.29	2.60	0.342
		3.75	5.43	24.70	18.99	6.29	3.73	0.339
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
		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
MW-13aR	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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3.5	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
		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
MW-13aR	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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		5	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
		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

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		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
		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						

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-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
		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

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-14b		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
	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
		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

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
		2.50	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				
MW-17	Sep-03	15	10	> 999	24.1 C	6.41	10.48	0.104
	(no sample)	25	16.7	> 999				
	Sep-03	2	1.3	293	22.1 C	6.37	9.17	0.103
		4	2.7	153	22.1 C	6.30	8.57	0.100
		6	4.0	40.1	25.9 C	6.26	8.18	0.101
		7	4.7	8.9	26.3 C	6.24	8.23	0.101
	May-04	0.1	0.1	65.4	22.03 C	6.02	8.62	0.094
		0.5	0.4	31.4	23.41 C	5.69	7.09	0.094
		0.75	0.7	16.3	24.76 C	5.59	6.70	0.092
		1	0.9	10.6	26.2 C	5.61	6.57	0.093
		1.2	1.1	8.9	26.47 C	5.62	6.03	0.093
		1.5	1.3	7.3	26.25 C	5.68	6.46	0.093
	Jul-06	0.8	0.5	258	21.13 C	5.99	0.57	0.071
		3	2.0	822	21.15 C	6.01	0.70	0.072
		4	2.7	31	23.34 C	6.30	1.22	0.076
		4.5	3.0	10	22.91 C	6.24	1.19	0.077
	Apr-07	0.4	0.8	134.2	20.46 C	6.19	3.79	0.141
		0.8	1.5	92.1	20.49 C	6.12	3.79	0.141
		1.2	2.3	44.8	20.53 C	6.15	3.99	0.141
		1.5	2.9	19.8	20.60 C	6.13	4.15	0.141
		6.4	12.3	58.4	20.59 C	6.12	4.16	0.141
		10.2	19.6	52.3	19.37 C	6.24	4.08	0.181
		12.5	24.0	8.5	19.39 C	6.23	4.05	0.181
	Oct-07[d]	0.2	1.0	above range	19.02 C	5.30	5.93	0.127
		0.4	2.0	972	19.12 C	5.67	8.06	0.070
		0.6	3.0	1354	19.1 C	5.61	7.39	0.107
		0.8	4.0	1446	18.7 C	5.72	7.18	0.079
		1	5.0	1287	18.42 C	5.66	8.14	0.062
	Apr-08[a]	0	0.0	293	18.46 C	5.86	4.22	0.167
		0.05	0.1	255	18.46 C	5.94	4.08	0.143
		0.1	0.2	233	18.26 C	5.94	4.25	0.139
		0.14	0.3	196	18.11 C	5.93	4.59	0.136
		0.18	0.4	144	18.1 C	5.93	4.68	0.135
		0.22	0.5	86.6	18.09 C	5.94	4.83	0.135
		0.26	0.6	88.5	18.12 C	5.94	5.16	0.132
		0.3	0.7	83.5	18.17 C	5.94	5.24	0.131
		0.34	0.8	85.2	18.15 C	5.94	5.16	0.130
		0.38	0.9	81.5	17.98 C	5.91	5.25	0.128
		0.425	1.0	75.3	18.01 C	5.91	5.59	0.127
		0.475	1.1	85.3	17.94 C	5.94	5.58	0.127
		0.525	1.3	80.3	17.9 C	5.95	5.54	0.127
		0.575	1.4	79.2	17.73 C	5.89	5.71	0.125
		0.633	1.5	65.8	17.67 C	5.89	5.38	0.125
		0.7	1.7	55.8	17.72 C	5.90	5.65	0.126
		0.76	1.8	74.2	17.85 C	5.93	5.48	0.125
		0.9	2.1	78.8	17.96 C	5.93	5.59	0.125
		1	2.4	68.1	18.03 C	5.92	5.37	0.125
		1.06	2.5	74.2	17.91 C	5.93	5.43	0.124
		1.133	2.7	73.5	17.69 C	5.91	5.47	0.125
		1.2	2.9	72.1	17.63 C	5.90	5.62	0.125
		1.23	2.9	68.8	17.6 C	5.92	5.27	0.124
		1.26	3.0	69.2	17.56 C	5.91	5.61	0.125
		1.3	3.1	83.6	17.5 C	5.90	5.52	0.125
	Oct-08	Used bailer, not enough water for water quality or to collect sample.						
	Apr-09[a]	0	0.0	232	18.52 C	6.05	6.78	0.132
		0.15	0.2	121	18.58 C	6.02	9.22	0.129
		0.35	0.4	72.2	18.58 C	5.95	9.02	0.125
		0.45	0.5	54.1	18.60 C	5.91	8.82	0.120
		0.65	0.7	36.6	18.64 C	5.90	8.71	0.117
		0.85	1.0	34.2	18.60 C	5.89	8.62	0.117
		1.1	1.3	43.6	18.55 C	6.04	8.55	0.116
		1.2	1.4	45.2	18.48 C	5.93	8.44	0.117
		1.3	1.5	39.8	18.60 C	5.63	8.41	0.119
		1.45	1.6	41.9	18.69 C	5.98	8.39	0.118
		1.85	2.1	40.3	18.75 C	6.06	8.44	0.118
		2	2.3	41.3	18.74 C	5.84	8.35	0.119
		2.25	2.6	43.5	18.72 C	5.77	8.27	0.118
		2.35	2.7	42.7	18.71 C	5.76	8.30	0.118
		2.5	2.8	47.9	18.71 C	5.76	8.33	0.119
		2.65	3.0	44.2	18.72 C	5.77	8.32	0.119
	Oct-09[a]	0.5	0.3	102	19.1 C	5.00	7.29	0.125
		0.9	0.6	140	18.59 C	5.66	7.16	0.125

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	0.7	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
	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

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

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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		5.5	3.0	1.86	20.75	6.36	2.26	0.446
MW-19	Apr-12	0.25	0.1	28	22.01	5.73	0.69	0.238
		0.3	0.2	27.3	22.19	5.83	0.62	0.234
		0.5	0.3	23.5	22.31	5.91	0.55	0.228
		0.75	0.4	22.8	21.83	5.67	0.5	0.215
		1	0.5	21.1	21.64	5.63	0.48	0.218
		1.3	0.7	13.5	21.70	5.81	0.46	0.22
		1.5	0.8	12.1	21.53	5.73	0.45	0.219
		1.75	1.0	7.98	21.50	5.75	0.42	0.221
		2	1.1	6.87	21.47	5.78	0.4	0.225
		2.25	1.2	6.25	21.41	5.87	0.37	0.227
		2.5	1.4	5.89	21.33	5.73	0.33	0.228
		3	1.6	6.31	21.28	5.85	0.31	0.23
		3.25	1.8	6.78	21.15	5.83	0.28	0.229
		3.5	1.9	6.96	21.09	5.84	0.28	0.231
		3.75	2.0	6.41	21.14	5.84	0.26	0.231
		4	2.2	6.12	21.16	5.83	0.24	0.23
		4.25	2.3	6.32	21.29	5.92	0.24	0.231
		4.5	2.4	5.72	21.30	5.97	0.22	0.232
		4.75	2.6	5.12	21.18	5.85	0.22	0.235
		5	2.7	5.56	21.06	5.87	0.21	0.235
		5.25	2.9	6.02	21.03	5.88	0.21	0.236
		5.5	3.0	6.1	20.98	5.87	0.2	0.236
	Oct-12	0.13	0.1	--	22.81	6.57	1.44	0.556
		1.25	0.7	80.1	22.46	6.13	0.38	0.582
		2.5	1.4	--	22.15	5.73	0.29	0.581
		3.75	2.1	--	22.18	6.01	0.28	0.576
		5	2.8	31.4	22.20	6.1	0.25	0.570
		6.25	3.5	--	22.20	6.11	0.23	0.550
		7.5	4.2	17	22.12	6.05	0.41	0.503
		8.75	4.9	--	22.10	6.07	0.25	0.469
		10	5.6	5.98	22.10	6.05	0.23	0.450
		11.25	6.3	--	21.99	6.06	0.2	0.436
		12.5	7.0	2.84	22.07	6.02	0.19	0.426
		13.75	7.7	--	21.99	6.06	0.17	0.420
		15	8.4	1.82	21.99	6.08	0.18	0.415
		16.25	9.1	--	22.00	6.06	0.17	0.413
		17.5	9.8	1.52	21.95	6.1	0.17	0.412
		18.75	10.5	--	21.92	6.05	0.18	0.414
		20	11.2	1.02	21.95	6.08	0.16	0.411
		21.25	11.9	0.98	21.93	6.06	0.17	0.409
	Apr-13	0.00	0.00	116	20.46	5.55	4.07	0.190
		0.50	0.28	20.10	21.03	5.82	3.30	0.159
		1.00	0.56	7.76	21.05	5.93	3.40	0.157
		1.50	0.84	7.49	21.10	5.95	3.67	0.155
		2.00	1.12	6.76	20.98	5.92	3.99	0.152
		3.50	1.95	7.00	21.13	5.99	3.79	0.160
		5.00	2.79	6.02	21.16	5.99	3.87	0.161
		6.50	3.63	6.35	21.17	5.98	4.01	0.157
MW-20	Apr-13	1.50	0.84	94.10	16.41	5.09	3.85	0.172
		2.50	1.39	50.30	16.44	5.05	3.90	0.163
		3.50	1.95	33.10	16.55	5.05	4.01	0.160
		4.50	2.51	23.70	16.53	5.09	4.07	0.159
		5.50	3.07	16.70	16.55	5.09	4.09	0.158
		5.60	3.12	10.48	16.58	5.10	4.11	0.156
		5.11	2.85	9.02	16.59	5.11	4.09	0.157
	Oct-13	0.10	0.06	86.00	16.50	7.35	0.59	0.387
		2.50	1.39	52.00	16.65	5.82	6.63	0.062
		4.00	2.23	9.78	16.65	5.71	7.07	0.053
		5.00	2.79	8.12	16.67	5.66	7.23	0.050
		5.50	3.07	6.26	16.67	5.64	7.33	0.048
		6.50	3.63	6.31	16.67	5.64	7.39	0.048
	Apr-14	1.50	0.84	<1000	16.51	6.70	1.82	0.493
		2.00	1.12	<1000	16.90	6.24	2.62	0.274
		2.50	1.39	719	17.08	5.69	4.73	0.171
		3.00	1.67	222	17.50	5.12	6.52	0.078
		5.00	2.79	68.1	17.07	5.00	6.86	0.057
		6.00	3.35	54.0	17.10	5.03	6.90	0.055
		7.00	3.90	52.0	16.97	5.03	6.91	0.055
		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
	Apr-15	2.50	1.25	21.9	15.87	5.00	1.66	0.161
		5.00	2.50	10.27	15.90	4.84	1.86	0.166
		7.00	3.50	8.47	15.90	4.91	2.05	0.170
		9.00	4.50	6.16	15.92	4.96	2.15	0.172

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
		11.00	5.50	3.21	15.94	4.98	1.83	0.173
	Oct-15	1.00	0.51	71.00	14.00	5.12	3.52	0.319
		2.50	1.27	2.74	13.29	5.21	-	0.331
		3.50	1.78	0.90	14.00	5.16	-	0.329
		5.00	2.54	0.70	14.08	5.15	-	0.318
		6.00	3.05	0.70	14.08	5.16	-	0.298
		7.00	3.55	0.60	14.07	5.17	3.14	0.295
		8.00	4.06	0.60	14.08	5.17	3.18	0.297
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
		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
	Apr-15	0.10	0.03	1024.0	18.76	6.00	3.12	0.248
		0.75	0.23	2151.0	18.57	5.83	0.85	0.237
		1.25	0.38	1134.0	19.00	5.81	0.85	0.225
		1.75	0.53	1238.0	19.35	5.78	0.63	0.219
		2.25	0.69	1437.0	19.16	5.76	0.58	0.218
		3.00	0.91	2188.0	19.02	5.79	0.51	0.217
		4.00	1.22	1123.0	18.81	5.77	0.47	0.218
		5.00	1.52	107.0	18.87	5.84	0.48	0.216
		6.00	1.83	31.0	18.94	5.88	0.59	0.220
		6.50	1.98	38.0	18.92	5.92	1.05	0.217
		7.25	2.21	98.2	18.84	5.89	1.14	0.220
		8.00	2.44	73.0	19.30	5.93	1.46	0.223
		8.50	2.59	55.2	19.31	5.91	1.52	0.228
		9.00	2.74	35.3	18.98	5.88	1.72	0.227
		10.00	3.05	47.0	19.06	5.91	1.96	0.226
		10.50	3.20	60.3	19.03	5.89	2.35	0.227
		11.00	3.35	62.2	19.12	5.89	2.24	0.229
		11.50	3.51	43.5	19.71	5.92	2.24	0.233
		12.00	3.66	40.8	19.32	5.90	2.30	0.230
		12.50	3.81	34.8	19.39	5.91	2.04	0.235
		13.00	3.96	24.7	19.05	5.87	1.66	0.237
		13.50	4.12	32.6	18.92	5.86	1.82	0.231
		14.00	4.27	23.1	18.87	5.87	1.69	0.233
		14.50	4.42	74.7	18.81	5.84	1.70	0.222
		15.00	4.57	106.1	18.91	5.82	1.84	0.221
	Oct-15	1.50	0.50	>1000	17.87	6.10	8.61	0.212
		2.00	0.67	>1000	17.86	5.90	8.13	0.211
		2.50	0.84	1023.0	17.99	5.88	7.26	0.205
		3.50	1.17	137.0	17.93	5.78	6.22	0.200
		4.00	1.34	109.0	18.07	5.80	5.94	0.200
		4.50	1.51	88.2	18.00	5.76	5.49	0.200
		5.00	1.67	86.1	17.93	5.77	4.89	0.204
		5.50	1.84	95.6	18.04	5.76	4.50	0.203
		6.50	2.17	111.0	17.91	5.72	4.03	0.201
		7.50	2.51	90.2	17.91	5.72	3.67	0.201
		5.50	1.84	117.0	17.96	5.70	3.42	0.202
		9.50	3.18	73.3	17.89	5.72	3.05	0.200
		10.75	3.60	54.6	17.85	5.69	2.76	0.203
		12.00	4.01	73.8	17.92	5.73	2.64	0.203
		13.50	4.52	65.4	17.94	5.70	2.47	0.199
		15.00	5.02	71.3	17.83	5.69	2.30	0.201
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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		20.2	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
		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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		5.75	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
0W-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
		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

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
		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
	Oct-15	3.00	0.31	12.66	18.24	6.35	1.56	0.115
		6.00	0.62	5.53	18.69	6.00	0.84	0.203
		9.00	0.92	4.33	17.99	5.90	0.63	0.345
		12.00	1.23	0.97	18.68	5.96	0.54	0.389
		15.00	1.54	4.37	18.49	5.93	0.44	0.384
		18.00	1.85	1.87	18.52	5.95	0.41	0.382
		21.00	2.15	4.83	18.37	5.96	0.39	0.388
		24.00	2.46	0.74	18.02	5.93	0.39	0.382
		27.00	2.77	0.83	18.03	5.93	0.36	0.383
		30.00	3.08	0.73	18.03	5.92	0.35	0.385
OW-72A	Apr-15	2.50	0.25	29.30	18.62	5.64	0.67	0.172
		6.00	0.60	47.00	18.86	5.75	0.42	0.312
		8.00	0.80	37.80	18.71	5.82	0.31	0.369
		10.00	1.00	25.40	18.99	5.70	0.35	0.385
		13.00	1.30	18.00	19.13	5.79	0.29	0.400
		15.00	1.50	12.40	19.17	5.80	0.20	0.417
		17.50	1.75	15.90	19.22	5.81	0.19	0.426
		19.50	1.95	8.63	19.20	5.83	0.19	0.428
		21.50	2.15	5.16	19.16	5.84	0.15	0.436
		23.50	2.35	4.94	19.10	5.85	0.16	0.436
		25.00	2.51	4.39	19.09	5.82	0.15	0.437
		27.00	2.71	3.21	18.99	5.82	0.14	0.439
		30.00	3.01	2.08	19.11	5.86	0.17	0.439
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

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

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		2.1	0.3	154	17.42 C	5.60	0.34	0.220
		4	0.5	173	17.43 C	5.58	0.30	0.222
		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
	Oct-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
	Oct-09	1.25	0.2	163.2	17.02 C	5.33	3.13	0.159
		2.5	0.3	51	16.98 C	5.17	3.53	0.135
		3.75	0.5	20.3	16.94 C	5.00	2.43	0.176
		4.75	0.6	12.06	16.95 C	4.99	2.08	0.185
		5.25	0.7	9.74	16.95 C	5.00	1.92	0.189
		7	0.9	8.14	16.94 C	5.00	1.76	0.190
	Apr-10	1	0.1	95.5	16.95	5.37	0.88	0.194
		2.5	0.3	53.1	17	5.42	1.37	0.184
		3.5	0.4	31.7	17.01	5.44	0.87	0.208
		4.75	0.6	20.6	17.02	5.45	0.70	0.217
		6	0.7	12.3	17.02	5.45	0.61	0.215
		7.5	0.9	11.3	17.03	5.45	0.50	0.221
		9	1.1	9.63	17.02	5.45	0.46	0.222
	Oct-10	0.25	0.0	58.6	17.35	5.83	1.52	0.152
		1.25	0.1	36.5	17.45	5.61	0.64	0.245
		2	0.2	19.5	17.53	5.57	0.55	0.226
		3	0.3	9.72	17.39	5.60	0.48	0.231
		4	0.4	9.63	17.42	5.61	0.47	0.236
	Apr-11	2.5	0.2	134	16.99	5.64	2.64	0.239
		4	0.4	42.4	17.05	5.70	2.54	0.229
		5	0.5	22.5	17.07	5.69	2.72	0.246
		7	0.7	21.5	17.06	5.68	2.53	0.249
		9	0.9	17.4	17.07	5.68	2.63	0.249
		10	0.9	11.5	17.09	5.67	2.73	0.247
		11.5	1.1	6.94	17.09	5.66	2.73	0.247
		12.5	1.2	7.80	17.08	5.67	2.77	0.249
		13.5	1.3	6.99	17.08	5.66	2.79	0.248
OW-74A	Oct-11	3.5	0.5	217	16.97	4.99	0.97	0.230
		7	0.9	153	16.98	5.18	0.71	0.238
		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

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
		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
	Apr-14	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	Oct-14	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
		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
	Apr-15	3	0.3		16.96	4.91	1.99	0.224

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Former Olympic Manufacturing Site; Smyrna, Georgia

Monitoring Well	Date	Volume (gallons)	Well Volume	Turbidity (NTU)	Temp., degrees	pH	Dissolved Oxygen, mg/L	Conductivity, mS/cm
		3.5	0.3	62.2	17.62	5.03	3.06	0.113
		5	0.5	24.9	17.92	5.09	1.04	0.249
		8	0.8	21.3	18.27	5.18	0.55	0.254
		11.5	1.1	11.16	17.81	5.12	0.38	0.256
		14	1.3	8.66	18.54	5.25	0.33	0.257
		17	1.6	4.95	17.48	5.07	0.29	0.257
		20.5	1.9	3.94	17.45	5.15	0.27	0.257
		24	2.3	3	17.49	5.2	0.26	0.258
		30	2.8	2.9	17.38	5.21	0.24	0.258
		33	3.1	1.68	17.42	5.21	0.24	0.257
	Oct-15	3	0.3	2.29	15.63	5.78	0.29	0.165
		6	0.6	1.72	15.59	5.46	0.58	0.219
		9	0.9	0.63	15.6	5.48	0.57	0.235
		12	1.1	0.6	15.6	5.49	0.53	0.236
		15	1.4	1.05	15.6	5.48	0.48	0.24
		18	1.7	2.94	15.6	5.5	0.38	0.242
		21	2.0	2.27	15.6	5.5	0.37	0.241
		24	2.3	2.75	15.6	5.5	0.36	0.242
		27	2.6	1.71	15.61	5.49	0.35	0.24
		30	2.9	2.38	15.6	5.49	0.34	0.24
		33	3.1	1.79	15.61	5.49	0.34	0.242
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

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		0.46	1.3	>1000	18.63	6.84	2.46	0.905
		0.48	1.3	>1000	18.60	6.98	3.41	0.919
		0.5	1.4	>1000	18.78	6.89	2.84	0.895
		0.53	1.5	>1000	18.74	6.89	3.18	0.884
		0.56	1.6	>1000	18.89	6.84	2.70	0.872
		0.58	1.6	>1000	18.94	6.90	2.95	0.878
		0.63	1.8	>1000	19.12	6.87	2.99	0.879
		0.65	1.8	>1000	19.01	7.02	3.73	0.902
		0.69	1.9	>1000	19.11	6.85	2.86	0.864
		0.72	2.0	>1000	20.14	6.94	3.62	0.857
		0.75	2.1	860	19.44	6.91	3.53	0.860
		0.85	2.4	875	20.16	6.85	3.18	0.859
		1.1	3.1	860	21.53	6.90	3.52	0.908
	Oct-12	Not sampled due to insufficient water						
	Apr-13	0.00	0.00	180.00	15.89	5.76	8.41	1.663
		0.50	1.39	95.00	16.76	6.37	0.98	1.601
		1.00	2.78	60.10	17.78	6.40	0.39	1.503
		1.40	3.89	44.20	17.86	6.42	0.27	1.385
		1.60	4.44	27.50	16.42	6.32	0.23	1.344
		1.80	5.00	24.80	16.77	6.39	0.21	1.307
		2.00	5.56	21.80	16.84	6.40	0.19	1.267
		2.20	6.11	19.00	16.88	6.40	0.17	1.233
		2.40	6.67	15.10	16.87	6.41	0.16	1.203
		2.60	7.22	12.70	17.02	6.40	0.15	1.179
		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
SMW-1	Apr-15	0.30	0.32	67.50	18.60	4.44	7.94	0.083
		0.60	0.64	90.70	18.59	4.68	6.99	0.091
		1.00	1.06	41.10	18.59	4.59	6.46	0.087
		1.50	1.60	32.60	18.63	4.64	6.16	0.082
		2.00	2.13	24.10	18.68	4.66	6.13	0.082
		2.50	2.66	16.20	18.79	4.77	5.88	0.084
		3.00	3.19	11.10	19.11	4.97	5.82	0.085
		3.50	3.72	9.85	19.26	5.00	5.65	0.086
		4.00	4.26	5.41	19.34	5.04	5.69	0.087
		4.50	4.79	8.73	19.42	5.10	5.74	0.087
		5.00	5.32	6.11	19.52	5.09	5.81	0.087
	Oct-15	0.50	1.04	>1000	19.66	5.88	8.49	0.070
		1.00	2.08	>1000	19.52	4.91	8.39	0.067
		1.50	3.13	>1000	19.16	4.77	7.70	0.070
		2.00	4.17	>1000	19.27	5.18	7.18	0.076
		2.50	5.21	>1000	19.36	5.44	7.17	0.076
		2.75	5.73	122.00	19.42	5.21	7.19	0.076
SMW-2	Apr-15	0.50	0.72	81.40	18.71	5.39	1.00	0.096
		1.00	1.45	39.30	18.77	5.31	0.87	0.090
		1.30	1.88	30.50	18.78	5.30	0.81	0.090
		1.75	2.54	16.20	18.76	5.31	0.73	0.090
		2.00	2.90	9.08	18.80	5.31	0.81	0.090
		2.50	3.62	9.48	18.81	5.31	0.76	0.090
		3.00	4.35	8.23	18.81	5.32	0.74	0.091
		3.50	5.07	5.61	18.78	5.32	0.77	0.091
	Oct-15	0.40	1.29	>1000	19.36	5.81	5.23	0.093
		0.75	2.42	>1000	19.33	5.79	4.66	0.087
		0.90	2.90	>1000	19.32	5.79	4.38	0.086
		1.25	4.03	>1000	19.30	5.78	7.87	0.090
		1.59	5.13	>1000	19.50	5.66	4.32	0.089

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

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

[c] Water was visually clear.

[d] Purged well dry.

Appendix E: Laboratory Data *(on CD)*

Brown AND Caldwell : LABORATORY DATA VERIFICATION FORM

1. PROJECT INFORMATION

Today's Date: 11/12/15

Project Number: 145686-020-004 Project Name/Client: Hillshire Farms

Project Manager: T. Reifenberger Sampled By: B. Steele, J. Lauer

Laboratory: AES Order No.: 1510S26

2. SAMPLE INFORMATION

Purpose of sampling: Semiannual sampling

Total number of samples: 20

☒ Groundwater: 17 ☐ Soil: _____ ☐ Soil Gas: _____ ☒ Trip Blank: 1

☐ Surface water: _____ ☐ Sediment: _____ ☐ Other: _____ ☒ Field Blank: 1

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

Analyses requested: VOCs

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

Duplicates: Two duplicates: MW-30, dup of MW-8; MW-31, dup of MW-9a

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: 4.1

☑ 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: _____

☑ 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: Two duplicates: MW-30, dup of MW-8; MW-31, dup of MW-9a

☐ 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 report cover letter, no problems were encountered during the analyses. All results for the associated Quality Control samples were within EPA and/or AES established limits. Therefore, no further action required.

Teresa M. Caputi

Signature of Data Verifier

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 09, 2015

Brian Steele
BROWN AND CALDWELL
990 Hammond Drive
Atlanta GA 30328

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

RE: Hillshire Brands

Dear Brian Steele: Order No: 1510S26

Analytical Environmental Services, Inc. received 20 samples on 10/30/2015 1:20:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-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 09/01/17.

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.

Ioana Pacurar

Ioana Pacurar
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: 1512826

Date: 10-30-15 Page 1 of 2

COMPANY: Brown and Caldwell

ADDRESS: 990 Hammond Dr. Ste 400 Atlanta, GA 30328

PHONE:

FAX:

SAMPLED BY: Brian Steele, Jackie Lowe

SIGNATURE:

ANALYSIS REQUESTED: VOCs

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) #1	REMARKS	No # of Containers
1	15302-MW-9a	10-29-15	1425	X		GW	X		2
2	15302-MW-2	10-29-15	1245	X		GW	X		2
3	15302-MW-31	10-29-15	1200	X		GW	X		2
4	15302-MW-12	10-29-15	1010	X		GW	X		2
5	15301-SMW-1	10-28-15	1545	X		GW	X		2
6	15301-SMW-2	10-28-15	1210	X		GW	X		2
7	15301-OW-72	10-28-15	1525	X		GW	X		2
8	15301-OW-74A	10-28-15	1015	X		GW	X		2
9	15300-MW-20	10-27-15	0945	X		GW	X		2
10	15300-MW-11	10-27-15	1453	X		GW	X		2
11	15301-MW-9b	10-28-15	1153	X		GW	X		2
12	15301-EB	10-28-15	1200	X		GW	X		2
13	~~15300-EB~~	~~10-27-15~~		X		GW	X		2
14	15302-MW-8	10-29-15	0921	X		GW	X		2

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	10.30.15 / 1:20	1: Katie Foran	10-30-15 1:20
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Hillshire Brands

PROJECT #: 145686

SITE ADDRESS: Smyrna GA

SEND REPORT TO:

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

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: 1510S26

Date: 10-30-15 Page 2 of 2

COMPANY: Brown and Caldwell

ADDRESS: 990 Hammond Dr. Ste 400 Atlanta GA, 30328

PHONE:

FAX:

SAMPLED BY: Brian Steel Jackie Cover

SIGNATURE:

ANALYSIS REQUESTED

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)	VOCs	REMARKS	No # of Containers
1	15302-MW-30	10-29-15	1200	X		GW	X		2
2	15300-MW-6	10-27-15	1333	X		GW	X		2
3	15300-MW-21	10-27-15	1820	X		GW	X		2
4	15300-EB	10-27-15	1400	X		GW	X		2
5	15303-MW-4a	10-30-15	1115	X		GW	X		2
6	15300-MW-4b	10-27-15	1150	X		GW	X		2
7									
8									
9									
10									
11									
12									
13									
14									

PRESERVATION (See codes)

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	10-30-15 / 1:20	[signature]	10/30/15 1:20
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: Hillshire Brands
PROJECT #:
SITE ADDRESS: Smyrna
SEND REPORT TO: TReitenberger@brumcald.com
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

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

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-9A
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 2:25:00 PM
Lab ID:	1510S26-001	**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	215441	1	11/04/2015 02:08	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,2-Dichlorobenzene	15	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,3-Dichlorobenzene	26	5.0		ug/L	215441	1	11/04/2015 02:08	JE
1,4-Dichlorobenzene	34	5.0		ug/L	215441	1	11/04/2015 02:08	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 02:08	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 02:08	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 02:08	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 02:08	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Chlorobenzene	170	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 02:08	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 02:08	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 02:08	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 02:08	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-9A
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 2:25:00 PM
Lab ID:	1510S26-001	**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	215441	1	11/04/2015 02:08	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Trichloroethene	5.3	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:08	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 02:08	JE
Surr: 4-Bromofluorobenzene	97.8	70.6-123		%REC	215441	1	11/04/2015 02:08	JE
Surr: Dibromofluoromethane	101	78.7-124		%REC	215441	1	11/04/2015 02:08	JE
Surr: Toluene-d8	100	81.3-120		%REC	215441	1	11/04/2015 02:08	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-2
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:45:00 PM
Lab ID:	1510S26-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	11	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,1-Dichloroethane	6.1	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,1-Dichloroethene	5.9	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 02:32	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 02:32	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 02:32	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 02:32	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 02:32	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 02:32	JE
cis-1,2-Dichloroethene	81	5.0		ug/L	215441	1	11/04/2015 02:32	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 02:32	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 02:32	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-2
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:45:00 PM
Lab ID:	1510S26-002	**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	215441	1	11/04/2015 02:32	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Trichloroethene	19	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:32	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 02:32	JE
Surr: 4-Bromofluorobenzene	97.9	70.6-123		%REC	215441	1	11/04/2015 02:32	JE
Surr: Dibromofluoromethane	100	78.7-124		%REC	215441	1	11/04/2015 02:32	JE
Surr: Toluene-d8	98.9	81.3-120		%REC	215441	1	11/04/2015 02:32	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-31
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:00:00 PM
Lab ID:	1510S26-003	**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	215441	1	11/04/2015 02:55	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,2-Dichlorobenzene	16	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,3-Dichlorobenzene	26	5.0		ug/L	215441	1	11/04/2015 02:55	JE
1,4-Dichlorobenzene	35	5.0		ug/L	215441	1	11/04/2015 02:55	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 02:55	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 02:55	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 02:55	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 02:55	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Chlorobenzene	170	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 02:55	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 02:55	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 02:55	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 02:55	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-31
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:00:00 PM
Lab ID:	1510S26-003	**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	215441	1	11/04/2015 02:55	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Trichloroethene	5.2	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 02:55	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 02:55	JE
Surr: 4-Bromofluorobenzene	99.7	70.6-123		%REC	215441	1	11/04/2015 02:55	JE
Surr: Dibromofluoromethane	98	78.7-124		%REC	215441	1	11/04/2015 02:55	JE
Surr: Toluene-d8	98.3	81.3-120		%REC	215441	1	11/04/2015 02:55	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-12
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 10:10:00 AM
Lab ID:	1510S26-004	**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	215441	1	11/04/2015 03:20	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,2-Dichlorobenzene	6.9	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 03:20	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 03:20	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 03:20	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 03:20	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 03:20	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 03:20	JE
cis-1,2-Dichloroethene	46	5.0		ug/L	215441	1	11/04/2015 03:20	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 03:20	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 03:20	JE
Isopropylbenzene	11	5.0		ug/L	215441	1	11/04/2015 03:20	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-12
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 10:10:00 AM
Lab ID:	1510S26-004	**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	215441	1	11/04/2015 03:20	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:20	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 03:20	JE
Surr: 4-Bromofluorobenzene	100	70.6-123		%REC	215441	1	11/04/2015 03:20	JE
Surr: Dibromofluoromethane	98.7	78.7-124		%REC	215441	1	11/04/2015 03:20	JE
Surr: Toluene-d8	99.3	81.3-120		%REC	215441	1	11/04/2015 03:20	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-SMW-1
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 3:45:00 PM
Lab ID:	1510S26-005	**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	215441	1	11/04/2015 03:44	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 03:44	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 03:44	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 03:44	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 03:44	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 03:44	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 03:44	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 03:44	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 03:44	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-SMW-1
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 3:45:00 PM
Lab ID:	1510S26-005	**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	215441	1	11/04/2015 03:44	JE
Tetrachloroethene	27	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 03:44	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 03:44	JE
Surr: 4-Bromofluorobenzene	97.3	70.6-123		%REC	215441	1	11/04/2015 03:44	JE
Surr: Dibromofluoromethane	100	78.7-124		%REC	215441	1	11/04/2015 03:44	JE
Surr: Toluene-d8	96.9	81.3-120		%REC	215441	1	11/04/2015 03:44	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-SMW-2
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:10:00 PM
Lab ID:	1510S26-006	**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	215441	1	11/04/2015 04:08	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 04:08	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 04:08	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 04:08	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 04:08	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 04:08	JE
Chloroform	5.2	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 04:08	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 04:08	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 04:08	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-SMW-2
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:10:00 PM
Lab ID:	1510S26-006	**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	215441	1	11/04/2015 04:08	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:08	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 04:08	JE
Surr: 4-Bromofluorobenzene	97.5	70.6-123		%REC	215441	1	11/04/2015 04:08	JE
Surr: Dibromofluoromethane	97.8	78.7-124		%REC	215441	1	11/04/2015 04:08	JE
Surr: Toluene-d8	97.3	81.3-120		%REC	215441	1	11/04/2015 04:08	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-OW-72
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 3:25:00 PM
Lab ID:	1510S26-007	**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	215441	1	11/04/2015 07:45	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,1-Dichloroethane	14	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,2-Dichlorobenzene	21	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,3-Dichlorobenzene	5.0	5.0		ug/L	215441	1	11/04/2015 07:45	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 07:45	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 07:45	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 07:45	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 07:45	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 07:45	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 07:45	JE
cis-1,2-Dichloroethene	1500	250		ug/L	215441	50	11/04/2015 01:43	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 07:45	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 07:45	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-OW-72
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 3:25:00 PM
Lab ID:	1510S26-007	**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	215441	1	11/04/2015 07:45	JE
Tetrachloroethene	16	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
trans-1,2-Dichloroethene	11	5.0		ug/L	215441	1	11/04/2015 07:45	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Trichloroethene	44	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 07:45	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 07:45	JE
Surr: 4-Bromofluorobenzene	97.8	70.6-123		%REC	215441	50	11/04/2015 01:43	JE
Surr: 4-Bromofluorobenzene	98.1	70.6-123		%REC	215441	1	11/04/2015 07:45	JE
Surr: Dibromofluoromethane	99	78.7-124		%REC	215441	50	11/04/2015 01:43	JE
Surr: Dibromofluoromethane	97.2	78.7-124		%REC	215441	1	11/04/2015 07:45	JE
Surr: Toluene-d8	99.3	81.3-120		%REC	215441	50	11/04/2015 01:43	JE
Surr: Toluene-d8	97.4	81.3-120		%REC	215441	1	11/04/2015 07:45	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-OW-74A
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 10:15:00 AM
Lab ID:	1510S26-008	**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	215441	1	11/04/2015 04:32	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 04:32	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 04:32	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 04:32	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 04:32	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 04:32	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 04:32	JE
cis-1,2-Dichloroethene	150	5.0		ug/L	215441	1	11/04/2015 04:32	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 04:32	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 04:32	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-OW-74A
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 10:15:00 AM
Lab ID:	1510S26-008	**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	215441	1	11/04/2015 04:32	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Trichloroethene	14	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:32	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 04:32	JE
Surr: 4-Bromofluorobenzene	97.7	70.6-123		%REC	215441	1	11/04/2015 04:32	JE
Surr: Dibromofluoromethane	99.3	78.7-124		%REC	215441	1	11/04/2015 04:32	JE
Surr: Toluene-d8	99.7	81.3-120		%REC	215441	1	11/04/2015 04:32	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-20
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 9:45:00 AM
Lab ID:	1510S26-009	**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	215441	1	11/04/2015 04:56	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 04:56	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 04:56	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 04:56	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 04:56	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 04:56	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 04:56	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 04:56	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 04:56	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-20
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 9:45:00 AM
Lab ID:	1510S26-009	**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	215441	1	11/04/2015 04:56	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 04:56	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 04:56	JE
Surr: 4-Bromofluorobenzene	97.2	70.6-123		%REC	215441	1	11/04/2015 04:56	JE
Surr: Dibromofluoromethane	101	78.7-124		%REC	215441	1	11/04/2015 04:56	JE
Surr: Toluene-d8	98	81.3-120		%REC	215441	1	11/04/2015 04:56	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-11
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 2:53:00 PM
Lab ID:	1510S26-010	**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	215441	1	11/04/2015 05:20	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,3-Dichlorobenzene	5.1	5.0		ug/L	215441	1	11/04/2015 05:20	JE
1,4-Dichlorobenzene	9.1	5.0		ug/L	215441	1	11/04/2015 05:20	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 05:20	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 05:20	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 05:20	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 05:20	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Chlorobenzene	71	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 05:20	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 05:20	JE
cis-1,2-Dichloroethene	30	5.0		ug/L	215441	1	11/04/2015 05:20	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 05:20	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 05:20	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-11
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 2:53:00 PM
Lab ID:	1510S26-010	**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	215441	1	11/04/2015 05:20	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:20	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 05:20	JE
Surr: 4-Bromofluorobenzene	99.3	70.6-123		%REC	215441	1	11/04/2015 05:20	JE
Surr: Dibromofluoromethane	99.6	78.7-124		%REC	215441	1	11/04/2015 05:20	JE
Surr: Toluene-d8	98.3	81.3-120		%REC	215441	1	11/04/2015 05:20	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-MW-9B
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 11:53:00 AM
Lab ID:	1510S26-011	**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	215441	1	11/04/2015 06:57	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,2-Dichlorobenzene	18	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,3-Dichlorobenzene	32	5.0		ug/L	215441	1	11/04/2015 06:57	JE
1,4-Dichlorobenzene	41	5.0		ug/L	215441	1	11/04/2015 06:57	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 06:57	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 06:57	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 06:57	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 06:57	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Chlorobenzene	200	50		ug/L	215441	10	11/04/2015 07:21	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 06:57	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 06:57	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 06:57	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 06:57	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-MW-9B
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 11:53:00 AM
Lab ID:	1510S26-011	**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	215441	1	11/04/2015 06:57	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:57	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 06:57	JE
Surr: 4-Bromofluorobenzene	97.5	70.6-123		%REC	215441	10	11/04/2015 07:21	JE
Surr: 4-Bromofluorobenzene	98.1	70.6-123		%REC	215441	1	11/04/2015 06:57	JE
Surr: Dibromofluoromethane	97.9	78.7-124		%REC	215441	10	11/04/2015 07:21	JE
Surr: Dibromofluoromethane	101	78.7-124		%REC	215441	1	11/04/2015 06:57	JE
Surr: Toluene-d8	98.9	81.3-120		%REC	215441	1	11/04/2015 06:57	JE
Surr: Toluene-d8	98.3	81.3-120		%REC	215441	10	11/04/2015 07:21	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-EB
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:00:00 PM
Lab ID:	1510S26-012	**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	215441	1	11/03/2015 22:55	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
2-Butanone	BRL	50		ug/L	215441	1	11/03/2015 22:55	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/03/2015 22:55	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/03/2015 22:55	JE
Acetone	BRL	50		ug/L	215441	1	11/03/2015 22:55	JE
Benzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Chloroethane	BRL	10		ug/L	215441	1	11/03/2015 22:55	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Chloromethane	BRL	10		ug/L	215441	1	11/03/2015 22:55	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/03/2015 22:55	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Freon-113	BRL	10		ug/L	215441	1	11/03/2015 22:55	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15301-EB
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:00:00 PM
Lab ID:	1510S26-012	**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	215441	1	11/03/2015 22:55	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Toluene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:55	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/03/2015 22:55	JE
Surr: 4-Bromofluorobenzene	96.7	70.6-123		%REC	215441	1	11/03/2015 22:55	JE
Surr: Dibromofluoromethane	97.9	78.7-124		%REC	215441	1	11/03/2015 22:55	JE
Surr: Toluene-d8	98	81.3-120		%REC	215441	1	11/03/2015 22:55	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-8
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 9:21:00 AM
Lab ID:	1510S26-013	**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	215441	1	11/04/2015 08:10	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,1-Dichloroethane	11	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,2-Dichlorobenzene	19	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,3-Dichlorobenzene	6.3	5.0		ug/L	215441	1	11/04/2015 08:10	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 08:10	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 08:10	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 08:10	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 08:10	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 08:10	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 08:10	JE
cis-1,2-Dichloroethene	1100	500		ug/L	215441	100	11/04/2015 00:54	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 08:10	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 08:10	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-8
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 9:21:00 AM
Lab ID:	1510S26-013	**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	215441	1	11/04/2015 08:10	JE
Tetrachloroethene	9.6	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
trans-1,2-Dichloroethene	9.4	5.0		ug/L	215441	1	11/04/2015 08:10	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Trichloroethene	5.7	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:10	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 08:10	JE
Surr: 4-Bromofluorobenzene	96.6	70.6-123		%REC	215441	1	11/04/2015 08:10	JE
Surr: 4-Bromofluorobenzene	96.2	70.6-123		%REC	215441	100	11/04/2015 00:54	JE
Surr: Dibromofluoromethane	99.3	78.7-124		%REC	215441	1	11/04/2015 08:10	JE
Surr: Dibromofluoromethane	100	78.7-124		%REC	215441	100	11/04/2015 00:54	JE
Surr: Toluene-d8	97.7	81.3-120		%REC	215441	100	11/04/2015 00:54	JE
Surr: Toluene-d8	99.9	81.3-120		%REC	215441	1	11/04/2015 08:10	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-30
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:00:00 PM
Lab ID:	1510S26-014	**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	215441	1	11/04/2015 08:34	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,1-Dichloroethane	11	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,2-Dichlorobenzene	19	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,3-Dichlorobenzene	6.2	5.0		ug/L	215441	1	11/04/2015 08:34	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 08:34	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 08:34	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 08:34	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 08:34	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 08:34	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 08:34	JE
cis-1,2-Dichloroethene	1200	500		ug/L	215441	100	11/04/2015 01:19	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 08:34	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 08:34	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15302-MW-30
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 12:00:00 PM
Lab ID:	1510S26-014	**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	215441	1	11/04/2015 08:34	JE
Tetrachloroethene	9.1	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
trans-1,2-Dichloroethene	8.8	5.0		ug/L	215441	1	11/04/2015 08:34	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Trichloroethene	5.4	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 08:34	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 08:34	JE
Surr: 4-Bromofluorobenzene	97.9	70.6-123		%REC	215441	1	11/04/2015 08:34	JE
Surr: 4-Bromofluorobenzene	96.3	70.6-123		%REC	215441	100	11/04/2015 01:19	JE
Surr: Dibromofluoromethane	99.6	78.7-124		%REC	215441	1	11/04/2015 08:34	JE
Surr: Dibromofluoromethane	99.8	78.7-124		%REC	215441	100	11/04/2015 01:19	JE
Surr: Toluene-d8	98.6	81.3-120		%REC	215441	1	11/04/2015 08:34	JE
Surr: Toluene-d8	101	81.3-120		%REC	215441	100	11/04/2015 01:19	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-6
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 1:33:00 PM
Lab ID:	1510S26-015	**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	215441	1	11/04/2015 05:44	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
1,4-Dichlorobenzene	6.4	5.0		ug/L	215441	1	11/04/2015 05:44	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 05:44	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 05:44	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 05:44	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 05:44	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Chlorobenzene	29	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 05:44	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 05:44	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 05:44	JE
Ethylbenzene	21	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 05:44	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
m,p-Xylene	32	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
o-Xylene	11	5.0		ug/L	215441	1	11/04/2015 05:44	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-6
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 1:33:00 PM
Lab ID:	1510S26-015	**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	215441	1	11/04/2015 05:44	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 05:44	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 05:44	JE
Surr: 4-Bromofluorobenzene	99.4	70.6-123		%REC	215441	1	11/04/2015 05:44	JE
Surr: Dibromofluoromethane	99.9	78.7-124		%REC	215441	1	11/04/2015 05:44	JE
Surr: Toluene-d8	97.6	81.3-120		%REC	215441	1	11/04/2015 05:44	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-21
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 6:20:00 PM
Lab ID:	1510S26-016	**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	215441	1	11/04/2015 06:08	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 06:08	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 06:08	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 06:08	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 06:08	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 06:08	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 06:08	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 06:08	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 06:08	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-21
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 6:20:00 PM
Lab ID:	1510S26-016	**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	215441	1	11/04/2015 06:08	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:08	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 06:08	JE
Surr: 4-Bromofluorobenzene	97.5	70.6-123		%REC	215441	1	11/04/2015 06:08	JE
Surr: Dibromofluoromethane	98.8	78.7-124		%REC	215441	1	11/04/2015 06:08	JE
Surr: Toluene-d8	101	81.3-120		%REC	215441	1	11/04/2015 06:08	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-EB
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 2:00:00 PM
Lab ID:	1510S26-017	**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	215441	1	11/03/2015 23:19	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
2-Butanone	BRL	50		ug/L	215441	1	11/03/2015 23:19	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/03/2015 23:19	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/03/2015 23:19	JE
Acetone	BRL	50		ug/L	215441	1	11/03/2015 23:19	JE
Benzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Chloroethane	BRL	10		ug/L	215441	1	11/03/2015 23:19	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Chloromethane	BRL	10		ug/L	215441	1	11/03/2015 23:19	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/03/2015 23:19	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Freon-113	BRL	10		ug/L	215441	1	11/03/2015 23:19	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-EB
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 2:00:00 PM
Lab ID:	1510S26-017	**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	215441	1	11/03/2015 23:19	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Toluene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/03/2015 23:19	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/03/2015 23:19	JE
Surr: 4-Bromofluorobenzene	97.7	70.6-123		%REC	215441	1	11/03/2015 23:19	JE
Surr: Dibromofluoromethane	98	78.7-124		%REC	215441	1	11/03/2015 23:19	JE
Surr: Toluene-d8	99.3	81.3-120		%REC	215441	1	11/03/2015 23:19	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15303-MW-4A
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 11:15:00 AM
Lab ID:	1510S26-018	**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	215441	1	11/06/2015 03:58	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,1-Dichloroethane	14	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,2-Dichlorobenzene	230	200		ug/L	215441	100	11/03/2015 23:43	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,3-Dichlorobenzene	130	5.0		ug/L	215441	1	11/06/2015 03:58	JE
1,4-Dichlorobenzene	75	5.0		ug/L	215441	1	11/06/2015 03:58	JE
2-Butanone	BRL	50		ug/L	215441	1	11/06/2015 03:58	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/06/2015 03:58	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/06/2015 03:58	JE
Acetone	BRL	50		ug/L	215441	1	11/06/2015 03:58	JE
Benzene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Chloroethane	BRL	10		ug/L	215441	1	11/06/2015 03:58	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Chloromethane	BRL	10		ug/L	215441	1	11/06/2015 03:58	JE
cis-1,2-Dichloroethene	3600	500		ug/L	215441	100	11/03/2015 23:43	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/06/2015 03:58	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Freon-113	BRL	10		ug/L	215441	1	11/06/2015 03:58	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15303-MW-4A
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 11:15:00 AM
Lab ID:	1510S26-018	**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	215441	1	11/06/2015 03:58	JE
Tetrachloroethene	19	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Toluene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
trans-1,2-Dichloroethene	25	5.0		ug/L	215441	1	11/06/2015 03:58	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Trichloroethene	16	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/06/2015 03:58	JE
Vinyl chloride	2.3	2.0		ug/L	215441	1	11/06/2015 03:58	JE
Surr: 4-Bromofluorobenzene	96.4	70.6-123		%REC	215441	100	11/03/2015 23:43	JE
Surr: 4-Bromofluorobenzene	99.3	70.6-123		%REC	215441	1	11/06/2015 03:58	JE
Surr: Dibromofluoromethane	98.2	78.7-124		%REC	215441	100	11/03/2015 23:43	JE
Surr: Dibromofluoromethane	102	78.7-124		%REC	215441	1	11/06/2015 03:58	JE
Surr: Toluene-d8	99	81.3-120		%REC	215441	1	11/06/2015 03:58	JE
Surr: Toluene-d8	99.8	81.3-120		%REC	215441	100	11/03/2015 23:43	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-4B
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 11:50:00 AM
Lab ID:	1510S26-019	**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	215441	1	11/04/2015 06:32	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
2-Butanone	BRL	50		ug/L	215441	1	11/04/2015 06:32	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/04/2015 06:32	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/04/2015 06:32	JE
Acetone	BRL	50		ug/L	215441	1	11/04/2015 06:32	JE
Benzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Chloroethane	BRL	10		ug/L	215441	1	11/04/2015 06:32	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Chloromethane	BRL	10		ug/L	215441	1	11/04/2015 06:32	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/04/2015 06:32	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Freon-113	BRL	10		ug/L	215441	1	11/04/2015 06:32	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	15300-MW-4B
Project Name:	Hillshire Brands	**Collection Date:**	10/29/2015 11:50:00 AM
Lab ID:	1510S26-019	**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	215441	1	11/04/2015 06:32	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Toluene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/04/2015 06:32	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/04/2015 06:32	JE
Surr: 4-Bromofluorobenzene	96.3	70.6-123		%REC	215441	1	11/04/2015 06:32	JE
Surr: Dibromofluoromethane	99.2	78.7-124		%REC	215441	1	11/04/2015 06:32	JE
Surr: Toluene-d8	97.6	81.3-120		%REC	215441	1	11/04/2015 06:32	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hillshire Brands	**Collection Date:**	10/30/2015
Lab ID:	1510S26-020	**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	215441	1	11/03/2015 22:31	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,1-Dichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,1-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,2-Dibromoethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,2-Dichloroethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,2-Dichloropropane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
2-Butanone	BRL	50		ug/L	215441	1	11/03/2015 22:31	JE
2-Hexanone	BRL	10		ug/L	215441	1	11/03/2015 22:31	JE
4-Methyl-2-pentanone	BRL	10		ug/L	215441	1	11/03/2015 22:31	JE
Acetone	BRL	50		ug/L	215441	1	11/03/2015 22:31	JE
Benzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Bromodichloromethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Bromoform	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Bromomethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Carbon disulfide	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Carbon tetrachloride	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Chlorobenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Chloroethane	BRL	10		ug/L	215441	1	11/03/2015 22:31	JE
Chloroform	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Chloromethane	BRL	10		ug/L	215441	1	11/03/2015 22:31	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Cyclohexane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Dibromochloromethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Dichlorodifluoromethane	BRL	10		ug/L	215441	1	11/03/2015 22:31	JE
Ethylbenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Freon-113	BRL	10		ug/L	215441	1	11/03/2015 22:31	JE
Isopropylbenzene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
m,p-Xylene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Methyl acetate	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Methylcyclohexane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Methylene chloride	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
o-Xylene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE

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:** 9-Nov-15

Client:	BROWN AND CALDWELL	**Client Sample ID:**	TRIP BLANK
Project Name:	Hillshire Brands	**Collection Date:**	10/30/2015
Lab ID:	1510S26-020	**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	215441	1	11/03/2015 22:31	JE
Tetrachloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Toluene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Trichloroethene	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Trichlorofluoromethane	BRL	5.0		ug/L	215441	1	11/03/2015 22:31	JE
Vinyl chloride	BRL	2.0		ug/L	215441	1	11/03/2015 22:31	JE
Surr: 4-Bromofluorobenzene	96.5	70.6-123		%REC	215441	1	11/03/2015 22:31	JE
Surr: Dibromofluoromethane	99.1	78.7-124		%REC	215441	1	11/03/2015 22:31	JE
Surr: Toluene-d8	99.6	81.3-120		%REC	215441	1	11/03/2015 22:31	JE

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 1510526

Checklist completed by Signature 10/30/15 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 4.1 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1510S26

ANALYTICAL QC SUMMARY REPORT

BatchID: 215441

Sample ID: **MB-215441**	Client ID:	Units: **ug/L**	Prep Date: **11/03/2015**	Run No: **303609**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **215441**	Analysis Date: **11/03/2015**	Seq No: **6498325**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1510S26

ANALYTICAL QC SUMMARY REPORT

BatchID: 215441

Sample ID: **MB-215441** Client ID: Units: **ug/L** Prep Date: **11/03/2015** Run No: **303609**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **215441** Analysis Date: **11/03/2015** Seq No: **6498325**

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	48.72	0	50.00		97.4	70.6	123				
Surr: Dibromofluoromethane	49.15	0	50.00		98.3	78.7	124				
Surr: Toluene-d8	49.75	0	50.00		99.5	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1510S26

ANALYTICAL QC SUMMARY REPORT

BatchID: 215441

Sample ID: **LCS-215441** Client ID: Units: **ug/L** Prep Date: **11/03/2015** Run No: **303609**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **215441** Analysis Date: **11/03/2015** Seq No: **6498324**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.87	5.0	50.00		93.7	64.2	137				
Benzene	47.78	5.0	50.00		95.6	72.8	128				
Chlorobenzene	49.11	5.0	50.00		98.2	72.3	126				
Toluene	48.90	5.0	50.00		97.8	74.9	127				
Trichloroethene	48.79	5.0	50.00		97.6	70.5	134				
Surr: 4-Bromofluorobenzene	48.59	0	50.00		97.2	70.6	123				
Surr: Dibromofluoromethane	50.01	0	50.00		100	78.7	124				
Surr: Toluene-d8	48.54	0	50.00		97.1	81.3	120				

Sample ID: **1510S26-018AMS** Client ID: **15303-MW-4A** Units: **ug/L** Prep Date: **11/03/2015** Run No: **303609**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **215441** Analysis Date: **11/04/2015** Seq No: **6498330**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	4839	500	5000		96.8	60.5	156				
Benzene	4896	500	5000		97.9	70	135				
Chlorobenzene	5112	500	5000		102	70.5	132				
Toluene	5004	500	5000		100	70.5	137				
Trichloroethene	5101	500	5000		102	71.8	139				
Surr: 4-Bromofluorobenzene	4815	0	5000		96.3	70.6	123				
Surr: Dibromofluoromethane	4977	0	5000		99.5	78.7	124				
Surr: Toluene-d8	4901	0	5000		98.0	81.3	120				

Sample ID: **1510S26-018AMSD** Client ID: **15303-MW-4A** Units: **ug/L** Prep Date: **11/03/2015** Run No: **303609**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **215441** Analysis Date: **11/04/2015** Seq No: **6498331**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	4663	500	5000		93.3	60.5	156	4839	3.70	20	
Benzene	4776	500	5000		95.5	70	135	4896	2.48	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1510S26

ANALYTICAL QC SUMMARY REPORT

BatchID: 215441

Sample ID: **1510S26-018AMSD** Client ID: **15303-MW-4A** Units: **ug/L** Prep Date: **11/03/2015** Run No: **303609**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **215441** Analysis Date: **11/04/2015** Seq No: **6498331**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	5028	500	5000		101	70.5	132	5112	1.66	20	
Toluene	4928	500	5000		98.6	70.5	137	5004	1.53	20	
Trichloroethene	4960	500	5000		99.2	71.8	139	5101	2.80	20	
Surr: 4-Bromofluorobenzene	4875	0	5000		97.5	70.6	123	4815	0	0	
Surr: Dibromofluoromethane	4875	0	5000		97.5	78.7	124	4977	0	0	
Surr: Toluene-d8	4900	0	5000		98.0	81.3	120	4901	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		

Appendix F: Laboratory Stipulation Letter

ANALYTICAL
ENVIRONMENTAL
SERVICES, INC.

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; NELAP Recognized Accrediting Authority
Accreditation ID:	E87582
Scope:	Drinking Water - Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants Non-Potable Water - Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics Solid and Chemical Materials - Extractable Organics, General Chemistry, Metals, Pesticides-Herbicides-PCBs, Volatile Organics Air and Emissions - Volatile Organics
Effective:	July 1, 2015
Expires:	June 30, 2016

Appendix G: Groundwater Modeling Technical Memoranda

- June 25, 2013
- June 26, 2015

Technical Memorandum

501 Great Circle Road, Suite 150
Nashville, Tennessee 37228
Tel: 615-255-2288
Fax: 615-256-8332

Prepared for: Former Olympic Manufacturing Site
Smyrna, Georgia

Project Title: Groundwater Fate and Transport Modeling
Georgia Voluntary Remediation Program

Project No: 141054.060

Technical Memorandum

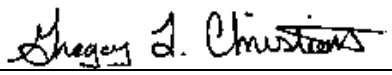
Subject: Flow and Transport Model Development and Evaluation
Former Olympic Manufacturing Site

Date: June 25, 2013

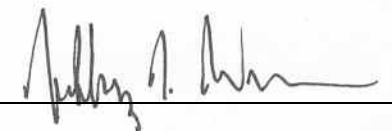
To: Trish Reifenberger, P.E., Project Manager, Brown and Caldwell

From: Gregory L. Christians, P.G., Associate Hydrogeologist, Brown and Caldwell

Copy to: File

Prepared by: 

Gregory L Christians, P.G., Associate Hydrogeologist

Reviewed by: 

Jeff Weaver, P.G., Managing Geologist

Limitations:

This document was prepared solely for The Hillshire Brands Company (Hillshire) and Rathon Corporation (Rathon) in accordance with professional standards at the time the services were performed and in accordance with the contract between Hillshire and Rathon and Brown and Caldwell dated March 21, 2013. 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. We have relied on information or instructions provided by Hillshire and Rathon and other parties and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.

Table of Contents

List of Figures iii

List of Tables iii

1. Introduction 4
   - 1.1 Objective 4
   - 1.2 Conceptual Site Model 4
     - 1.2.1 Site Hydrogeology 4
     - 1.2.2 Distribution of Site Constituents of Concern 5
   - 1.3 Flow and Transport Models 5

2. Flow Model Development 6
   - 2.1 Model Specifications 6
   - 2.2 Model Grid 7
   - 2.3 Model Layering 7
   - 2.4 Boundary Conditions 7
   - 2.5 Aquifer Parameter 7
   - 2.6 Stress Periods and Initial Conditions 7
   - 2.7 Calibration 8

3. Solute Transport Model Development 8
   - 3.1 Solute Transport Model 8
   - 3.2 Transport Model and Parameters 8
   - 3.3 Transport Model Uncertainty 9

4. Predictive Model Simulations 9
   - 4.1 Scenario1 10
   - 4.2 Scenario 2 10
   - 4.3 Scenario 3 10

5. Conclusions 10

References 11

Figures

Attachment A: Decay Rate Calculations

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P:\Sara Lee\141054\Modeling\Modeling TM 6-25-13.docx

List of Figures

Figure 1. Groundwater Flow and Transport Model Extent
Figure 2. Modeled Heads within the Weathered Bedrock
Figure 3. TCE Transport Model Results
Figure 4. cis-1,2-DCE (13,000 µg/L) Transport Model Results
Figure 5. cis-1,2-DCE (5,000 µg/L) Transport Model Results

List of Tables

Table 1. Specifications of the Numerical Flow Model 6

1. Introduction

In compliance with the Georgia Environmental Protection Division's (EPD's) Voluntary Remediation Program (VRP), a fate and transport model has been developed for the Former Olympic Manufacturing Site (Site) in Smyrna, Georgia. The model has been used to evaluate if the current observed site constituents of concern (COCs) will migrate to or beyond the designated Point of Exposure (POE). This technical memorandum (TM) documents the selected flow and fate and transport models, their usage, and summarizes the results.

Numerous investigations conducted at the Site have identified tetrachloroethene (PCE), and its degradation products trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC) as the primary COCs released to the saprolite water table and subsequently to the underlying weathered bedrock aquifer. The primary source of COCs has been determined to be a sump formerly located in the northeast corner of the facility property in the vicinity of MW-4 and MW-8. The source area was treated via in-situ injection of potassium permanganate in 2007 and 2008, which has reduced source area concentrations. Continued reduction in observed source area COC concentrations can be attributed to ongoing monitored natural attenuation (MNA) processes, and these processes are also evident throughout the downgradient portion of the individual COC plumes. This observation is supported by the reduction in COC concentrations over time in downgradient weathered bedrock monitoring wells OW-72 and OW-74A.

It appears that MNA is also occurring at a sufficient magnitude to keep the COC plumes in a state of equilibrium. The leading edge of the COC plumes is estimated to currently be approximately 100 feet (ft) downgradient of weather bedrock well OW-74A. Based on observed COC concentration trends, the extent of the plumes can be characterized as stable, with overall downward concentration trends being observed throughout the COC plumes. Existing Site data also indicate that the leading edge of the plume is stable or will shrink as concentrations continue to decline. The fate and transport modeling effort documented in this TM focuses on assessing whether the current Site MNA processes are sufficient to maintain plume stability, such that the leading edge of the plume currently above VRP cleanup levels will not reach the hypothetical POE located 1,000 ft downgradient of the leading edge of the plume. The newly installed monitoring well MW-20 located approximately 550 ft downgradient of the projected leading edge of the plumes in the weathered bedrock will serve as the Point of Demonstration (POD) well. This memorandum summarizes the basis for, key assumptions, and results of this modeling effort.

1.1 Objective

The primary objective of this fate and transport modeling effort was to evaluate plume stability and assess potential COC migration to the POE as required by the VRP.

1.2 Conceptual Site Model

The development of a Conceptual Site Model (CSM) is a critical part of a site investigation and remediation project and serves as the basis for the understanding of hydrogeologic conditions and how these conditions influence the fate and transport of released COCs. The following is a brief discussion of the CSM for this Site.

1.2.1 Site Hydrogeology

The Site hydrogeology is primarily comprised of a saprolite water table aquifer underlain by a weathered bedrock aquifer. The unconsolidated materials comprising the saprolite are characterized as reddish brown micaceous sandy silt to silty clay. As the uppermost hydrogeologic unit at the Site, the saprolite has been observed to range in thickness from approximately 35 feet near monitoring well MW-3R to approximately 107 feet near monitoring well OW-72. The depth to groundwater generally ranges from approximately 20 to

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25 feet at the southern end of the Site to 45 to 55 feet at the northern end of the Former Olympic property. Given these groundwater depths in relation to the base of the saprolite, there are areas where the saprolite is unsaturated. In this case the water table is generally observed within the upper portion of the underlying weather bedrock. In areas where the water table is observed to be above the base of the saprolite, saturated conditions are generally observed to be from a few inches to as great as 60 ft. Hydraulic conductivities within the saprolite are considered to be relatively low. Slug test results obtained from MW-9a and MW-12 within the saturated saprolite yielded an average hydraulic conductivity of 0.21 ft/day.

The upper portion of the bedrock has been characterized as gray foliated phyllonite with numerous fractures that diminish with depth. The bedrock in this zone is moderately to highly weathered. The fractured and weather zone ranged in thickness from approximately 20 to 40 ft. Hydraulic conductivities from MW-10, MW-11, and MW-20 associated with the weathered bedrock zone ranged from 2.9 ft per day (ft/day) to 11 ft/day, with a geometric mean value of 5.2 ft/day. Groundwater is generally observed to be under confined or semi-confined conditions, with the exception of the upland areas where water table conditions may exist. Groundwater elevations within the vicinity of the Site generally ranged from 776 ft above mean sea level (amsl) to 809 ft amsl. Groundwater flow is to the northeast and ultimately discharges into the Chattahoochee River. The average horizontal gradient within the weathered bedrock is approximately 0.028 foot per foot (ft/ft). This relatively high horizontal gradient results from the Site's upland location relative to the nearby Chattahoochee River. Using the average hydraulic conductivity of 5.2 ft/day, a gradient of 0.028, and an assumed effective porosity of 5 percent (representative of fractured rock), yields an estimated linear groundwater velocity of 1,063 ft per year (ft/year).

When saturated conditions were observed within the saprolite, vertical gradients between the saprolite and the upper bedrock were generally observed to be downward. This is consistent with the underlying weathered bedrock's hydraulic conductivity being at least an order of magnitude greater than that observed within the saprolite. Given this, Site COCs within the saprolite will generally migrate vertically downward into the underlying weathered bedrock unit that serves as the primary horizontal migration pathway associated with off-site migration.

1.2.2 Distribution of Site Constituents of Concern

All of the Site COCs are observed within the saprolite in the vicinity of the suspected source area (the former sump). Given the low hydraulic conductivity associated with the saprolite and the observed vertically downward gradient between the saprolite and the weathered bedrock, horizontal migration of Site COCs within the saprolite is limited. As a result, Site COCs within the saprolite generally move downward and migrate into the underlying weathered bedrock unit. Once the Site COCs enter the weathered bedrock they begin to migrate to the northeast concurrent with groundwater flow. The associated groundwater plumes observed within the weather bedrock are long and narrow consistent with the expected rate and direction of groundwater flow. The PCE plume has been estimated to extend approximately 440 ft downgradient of the source area, and the TCE and cis-1,2-DCE plumes have been estimated to extend approximately 800 ft downgradient of the source area. VC is only observed at sporadic locations on-site and is not observed at concentrations great enough to sustain a downgradient plume. Simulation of the migration of Site COCs within the weathered bedrock will be the focus of this modeling effort.

1.3 Flow and Transport Models

As indicated above, the weathered bedrock unit is the primary horizontal migration pathway associated with the Site, and therefore a diagnostic level flow and transport model was developed to evaluate COC migration within this unit. A diagnostic level model refers to a model that generally represents site conditions sufficiently so that the data quality objectives (DQO's) can be evaluated. The diagnostic level model is quasi-calibrated to the extent that it reasonably matches groundwater elevations and more importantly it matches

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the groundwater flow direction and gradient. The development of such a model allows it to be used to evaluate the DQOs within a reasonable level of uncertainty.

Both Biochlor™ and Bioplume™, which are 1- and 2-dimensional flow and transport analytical models, respectively, were evaluated for use as the diagnostic level model for the Site. However, due to complexities associated with groundwater flow within the weathered bedrock unit and the high rates of groundwater flow, the simple 1- and 2-dimensional analytical models were deemed inappropriate to meet the objective of this model evaluation. As a result, a numerical model using MODFLOW and MT3D were selected to evaluate flow and transport, respectively.

The diagnostic level groundwater flow model was developed using the MODFLOW 2000 computer code (Harbaugh et al., 2000). Solute transport modeling was performed using the MT3DMS version of the MT3D computer code coupled with the results of the flow model (Zheng, 1990). Development and quality assurance/quality control (QA/QC) of this numerical model was fully integrated using the ArcGIS™ (Version 10) Geographic Information System (GIS) software (ESRI, 2011) so that model results and input data were fully compatible between current spreadsheet, database, GIS, and modeling software packages. Groundwater Vistas, version 6.0 build 11 (ESI, 2011), was used as a graphic user interface to facilitate integration of model data with GIS, as well as pre- and post-processing of the numerical model files.

2. Flow Model Development

2.1 Model Specifications

Table 1 presents the general specifications of the flow and transport model. Chemical concentration data and hydraulic parameters used in the modeling effort were derived from previous investigations at the Site. The maximum concentrations of the primary COCs (TCE and cis-1,2-DCE) reported in the last two sampling events were used as the source concentrations. Hydraulic parameters (hydraulic conductivity, hydraulic gradient) were based on values measured in Site wells.

Table 1. Specifications of the Numerical Flow Model

Model Characteristics	Specifications
Active Model Domain	Approximately 1,250 ft. by 2,600 ft.
Units	Time: Days Length: Feet
Model Grid	50 rows by 104 columns (Active cells)
Cell Size	25 ft by 25 ft
Layering – 1 Layer	Layer 1 (Weathered Bedrock Unit); Confined Aquifer
Leakance	Leakance from the overlying saprolite was assumed to be negligible for the purpose of this diagnostic level model. This is a conservative assumption in that it limits dilution of the COC plumes.
Hydraulic Parameters	Consistent with measured Site parameters
MODFLOW Packages	MODFLOW 2000 (groundwater flow): Basic, Layer-Property Flow, Discretization, Output Control, Solver, General Head, Constant Head MT3DMS (solute transport)
Boundary Conditions	General head boundaries along the southwestern perimeter of the model domain for layer 1 to simulate site groundwater elevations along said perimeter

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Table 1. Specifications of the Numerical Flow Model	
Model Characteristics	**Specifications**
Surface Water Interactions	Constant head cells for River head elevation
Base Flow Model Calibration Period	Steady-state model calibrated to observed heads measured in October 2012 System (One Stress Period)
Transport Quasi-Calibration Period Stress Period	One Transient Stress Period, One time step Estimated Release Period length: 7,300 days (20 years)

Specific details and assumptions associated with the model are presented in the following sections.

2.2 Model Grid

A model domain of 1,250 feet by 2,600 feet was selected to model flow within weathered bedrock unit. The long axis of the model domain was set parallel to the observed groundwater flow direction extending to the Chattahoochee River. The model domain and grid layout is presented on **Figure 1**. The southwestern perimeter of the model was extended just beyond the Site to a point where a groundwater divide is generally observed based on Site data and topography (in the vicinity of the monitoring wells MW-9a and MW-9b). The grid was constructed of a uniform cell size of 25 ft by 25 ft.

2.3 Model Layering

A single model layer (layer 1) was selected to represent groundwater flow within the weathered bedrock unit. The top of layer 1 was varied based on the estimated top of bedrock elevations obtained from site well data. Where Site well data were not available, surface topography and nearby measured saprolite thickness were used to estimate the top of the weathered bedrock.

The weathered unit was observed to vary between 20 and 40 feet in thickness. A uniform thickness of 30 feet was selected and used for layer 1.

2.4 Boundary Conditions

General head cells, and constant head cells were used to represent the margins of the model and river head condition. The location of the general head and constant head boundary condition are presented on **Figure 1.** General head cells were used along the southwestern perimeter of the model. The general head cells were used to represent groundwater flow into the model along this perimeter. The general head cells were set to a reference elevation of 810 ft amsl, representing the general hydraulic gradient of flow into the model domain. Constant head cells were used to represent the elevation of the Chattahoochee River to allow for groundwater discharge to the river. The constant head cells were set to an elevation of 740 ft amsl.

2.5 Aquifer Parameter

Hydraulic conductivities associated with the weathered bedrock zone ranged from 2.9 ft/day to 11 ft/day, with a geometric mean value of 5.2 ft/day. The average hydraulic conductivity of 5.2 ft/day was uniformly used throughout layer 1.

2.6 Stress Periods and Initial Conditions

The calibrated diagnostic level groundwater flow model was initially set-up to produce a steady-state solution. In support of the MT3D transport model simulations, the groundwater flow model was then set to

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run under transient conditions. A single stress period of 20 years was used in both the flow and transport models to allow for the COC plumes to be simulated 20 years into the future.

2.7 Calibration

Given the nature of a diagnostic level model, the flow model was not calibrated in detail, but rather model output was compared to water levels and horizontal gradient based on data collected in October 2012. Hydraulic conductivity, general head boundary elevation, and river elevations were varied to obtain a better overall match with observed water levels. The process resulted in simulated groundwater elevations that were similar to those observed in October 2012. More importantly model parameters were adjusted to acquire a reasonable match between observed and modeled horizontal gradients. The measured horizontal gradient obtained from the October 2012 data was estimated to be 0.028 ft/ft. The modeled horizontal gradient was estimated to be 0.027 ft/ft. The simulated groundwater elevations are presented on **Figure 2**. Based on the agreement between the measured and modeled horizontal gradient, the flow model is deemed to sufficient simulate general site conditions to allow it to be used as a diagnostic level flow model. This diagnostic level flow model adequately simulates known flow conditions within the weathered bedrock and allows it to be used to evaluate the use of MNA as a key remedial component for maintaining plume stability and precluding Site COC migration to the POE.

3. Solute Transport Model Development

3.1 Solute Transport Model

The primary objective of this diagnostic level transport model is to assess the viability of MNA processes as a primary remedial component for maintaining plume stability, and whether these processes will limit the risk of Site COC migration to the POE as required by the VRP. The solute transport code, MT3DMS (or MT3D), was used to model behavior of the primary Site COCs under the primary assumption that observed concentrations within the saprolite will serve as sources to the underlying weathered bedrock unit.

TCE and cis-1,2-DCE are the COCs representing the majority of chemical mass within the system. As a result, this modeling effort focuses on the transport of these COCs in relationship to the POE. Other parameters such as PCE and VC have considerably less mass and more limited plume extents; therefore, the extent and plume durations associated with these COCs would be represented within the limits of the model results obtained by modeling the primary COCs (TCE and cis-1,2-DCE).

For this modeling effort, a worst-case scenario was assumed for the TCE and cis-1,2-DCE plumes. It was assumed that the highest concentrations observed for both TCE and cis-1,2-DCE, based on the October 2012 data, would be modeled as a continuous source for a period of 20 years. The basic premise is that if it can be demonstrated that downgradient plume concentrations can be shown to be stable and not reach the POE under a continuous source scenario, then existing Site conditions (where source concentrations have been declining) will also likewise remain stable or shrinking and not reach the POE.

A continuous source concentration of 60 micrograms per liter (µg/L) TCE and 13,000 µg/L cis-1,2-DCE were used in the transport model.

3.2 Transport Model and Parameters

MT3D was used to simulate the transport of TCE and cis-1,2-DCE in the weathered bedrock. The groundwater flow model grid and cell-to-cell flow parameters were used to support the development of the MT3D transport model. The primary transport parameters used in the model simulation are presented in the following bullets:

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- Due to weathered bedrock's limited ability to retard VOCs on the weathered rock matrix, no retardation was assumed in the transport model.
- Average porosity of the weathered bedrock was estimated to be 5 percent. This estimate of porosity was based on varying Site parameters to obtain a reasonable match to Site concentration distributions. A porosity range of 0 to 10 percent is generally typical of fractured crystalline rock (Freeze and Cherry, 1979).
- The longitudinal dispersivity was estimated to be 10 percent of the grid spacing. The grid spacing encompassing the plume domain is comprised of 25-ft by 25-ft grid cells. Therefore, the longitudinal dispersivity was estimated to be 2.5 ft. The transverse and vertical dispersivity was estimated to be 0.25 ft and 1.1 ft, respectively. These estimates of dispersivity was based on varying site parameters to obtain a reasonable match to site concentration distributions
- A decay rate is typically used to model the reduction of COC mass based on biotic processes. A method for estimating decay rates based upon the distribution of plume concentrations along the axis and down-gradient of the source area in conjunction with groundwater flow rates and retardation factors was developed by Bushcheck, O'Really, and Nelson (1993). Based on the axial plume concentrations and a groundwater flow rate of 1,060 ft/year, a decay rate of 105 days for TCE was estimated. Based on simulating concentrations similar to those observed at OW-72 and OW-74A, a decay rate of 200 days was used for TCE in the transport model.

For cis-1,2-DCE, a decay rate of 26 days was estimated based on the axial plume concentrations and the groundwater flow rate of 1,060 ft/year. A decay rate of 75 days was used in the transport model based on concentration matching at OW-72 and OW-74A. The calculations for estimating decay rates are provided in Attachment A.

3.3 Transport Model Uncertainty

In transport modeling, half-lives or decay rates are typically the most sensitive transport parameter and give rise to the greatest uncertainty. The estimated decay rates are on the lower end of values reported in the literature. However, the current rate of groundwater flow, the fact the current plumes are observed to be stable or decreasing, and the presence of daughter products illustrate that the use of these decay rates are appropriate given current Site conditions. The ability to calculate a half-life based on Site data help to reduce the uncertainty associated with one of the more sensitive transport parameters.

A level of uncertainty still exists associated with certain parameters such as dispersivity and porosity. As with the decay rates, these parameters were derived by matching model data to the existing distribution of Site COCs. The parameter values resulting from matching model data to Site COC distributions fell into a relatively narrow range, which indicates reasonable agreement between the model and measured Site data.

4. Predictive Model Simulations

A conservative approach was used in modeling migration of the COC plumes at the Site. TCE and cis-1,2-DCE migration was simulated as resulting from a source in the former sump area that continues for 20 years. The more likely condition will be that source concentrations of TCE and cis-1,2-DCE will decline over time; however, this approach was used to conduct a more rigorous projection of plume migration.

The model was run for three continuous source scenarios: TCE at 60 µg/L, cis-1,2-DCE at 13,000 µg/L, and cis-1,2-DCE at 5,000 µg/L. The first two scenarios reflect the maximum TCE and cis-1,2-DCE concentrations measured in the source area (monitoring wells IW-4 and MW-8) in the last two monitoring events, and the third reflects a lower concentration (measured in October 2012) to test the response of the model to a change in the source concentration.

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4.1 Scenario1

Scenario 1 assumes a continuous TCE concentration in the former sump area of 60 µg/L. After 20 years of simulation, the downgradient extent of the TCE plume is comparable to current Site conditions both in concentration and the location of the leading edge of the plume. This demonstrates that based on the general assumptions used in the model the current TCE plume, which is expected to be a declining rather than continuous source, will remain stable and will not reach the POE. The results of this simulation are presented on **Figure 3.**

4.2 Scenario 2

Scenario 2 assumes a continuous cis-1,2-DCE concentration at the source area of 13,000 µg/L. After 20 years of simulation, the downgradient extent of the cis-1,2-DCE plume is approximately 150 feet downgradient of the current plume extent. As the actual cis-1,2-DCE source is expected to decline over time rather than be a continuous source, cis-1,2-DCE is not expected to migrate much beyond its current extent prior to beginning to contract both in mass and extent, and based on the modeling will not reach the POE. The results of this simulation are presented on **Figure 4.**

4.3 Scenario 3

As expected, in Scenario 3 after 20 years of simulation the downgradient extent of the cis-1,2-DCE plume is upgradient of that projected in Scenario 2, and is generally comparable to current Site conditions both in concentration and location of the leading edge of the plume. Based on the general assumptions used in the model, under this scenario the current cis-1,2-DCE plume is projected to remain stable or contract both in mass and extent and will not reach the POE. The results of this simulation are presented on **Figure 5.**

5. Conclusions

The primary objective of this fate and transport modeling effort was to evaluate plume stability and assess potential COC migration to the POE as required by the VRP. Current site data effectively demonstrate that the COC plumes have not migrated much beyond OW-74A (after 20 to 40 years of transport) and have not reached the POE or the upgradient POD (monitoring well MW-20).

A conservative approach was taken by modeling continuous sources of TCE and cis-1,2-DCE. After 20 years of simulation of this worst case scenario, the downgradient extent of the COCs are comparable to current Site conditions both in concentration and the location of the leading edge of the plume. This result demonstrates that the current TCE and cis-1,2-DCE plumes will remain stable and will not reach the POD or the POE. Assuming that current Site COC concentrations continue to decline as observed, over time the COC plume is expected continue to decrease both in mass and extent.

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Figures

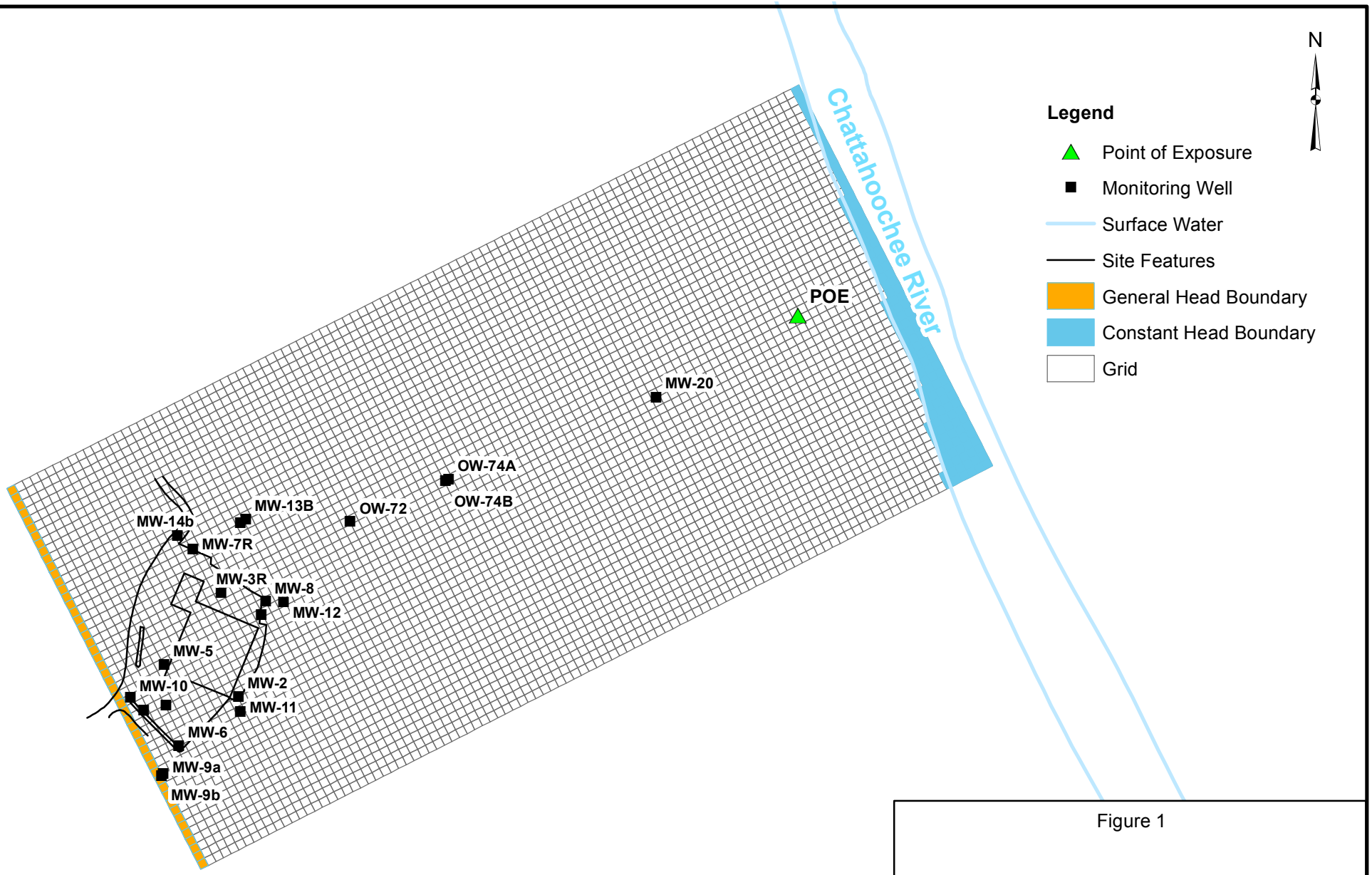

Figure 1

Groundwater Flow and Transport Model Extent

Brown AND Caldwell

Former Olympic Manufacturing Site
Smyrna, Georgia

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SCALE:	AS SHOWN
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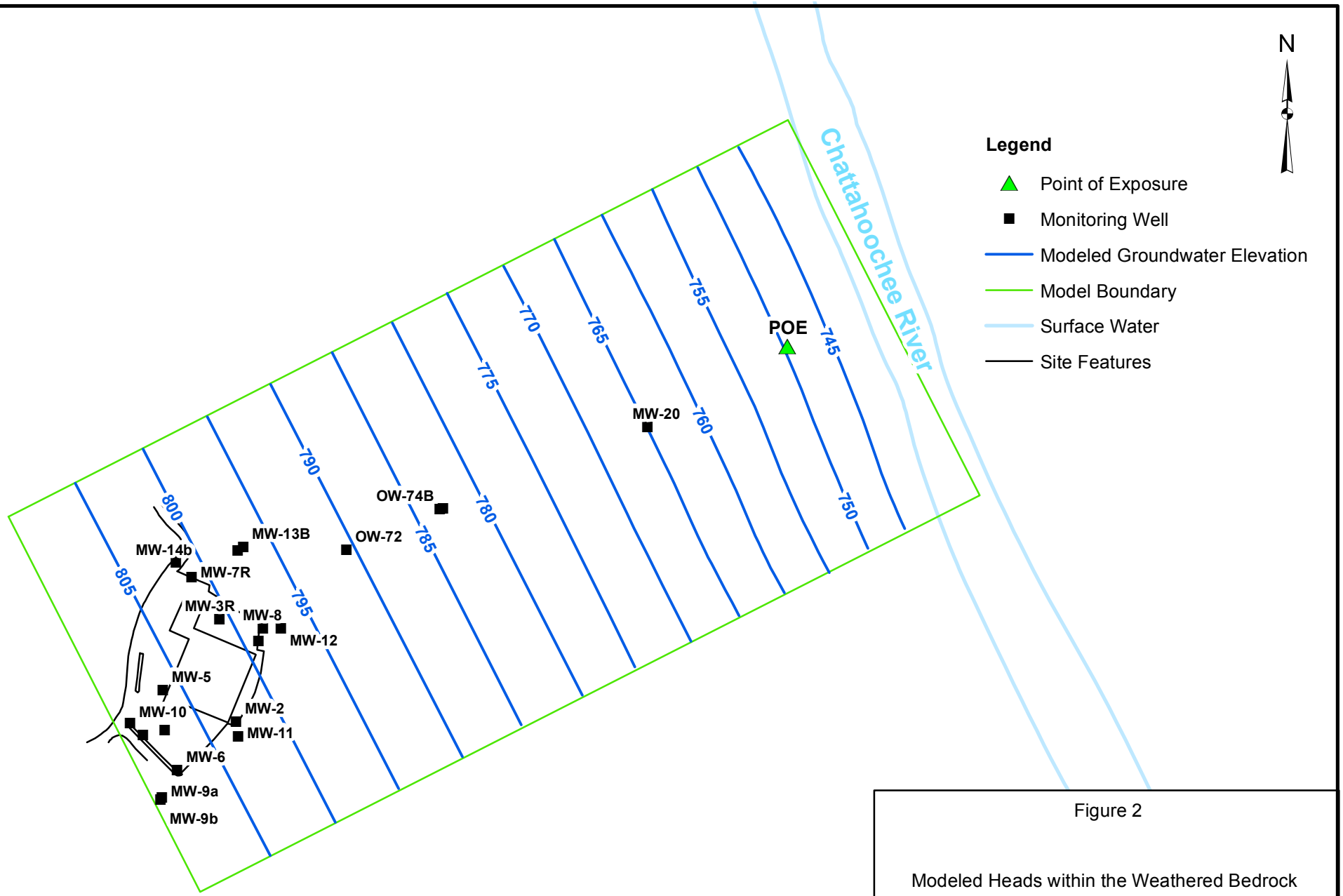

Figure 2

Modeled Heads within the Weathered Bedrock

Brown AND Caldwell

Former Olympic Manufacturing Site
Smyrna, Georgia

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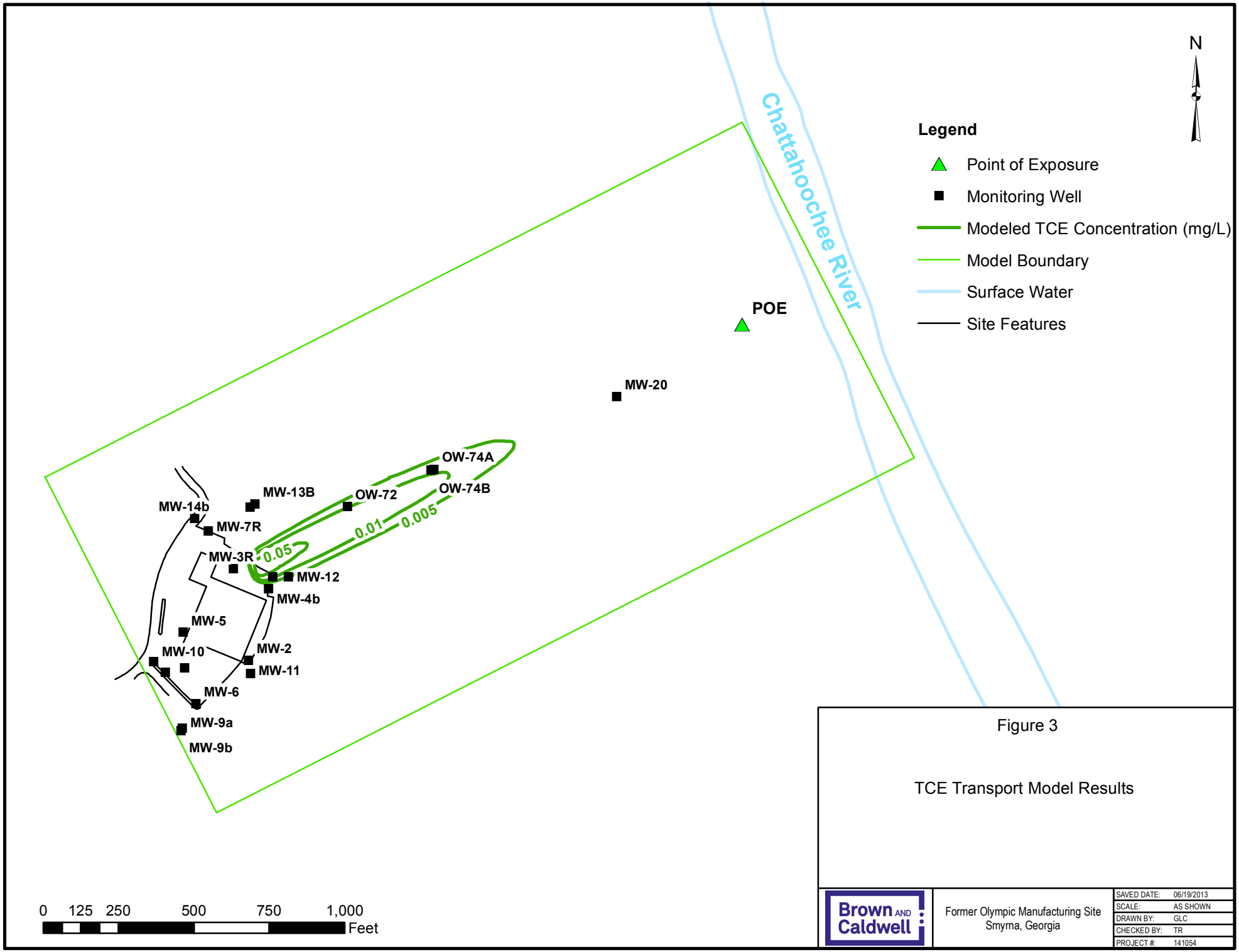

Figure 3

TCE Transport Model Results

Brown AND Caldwell

Former Olympic Manufacturing Site
Smyrna, Georgia

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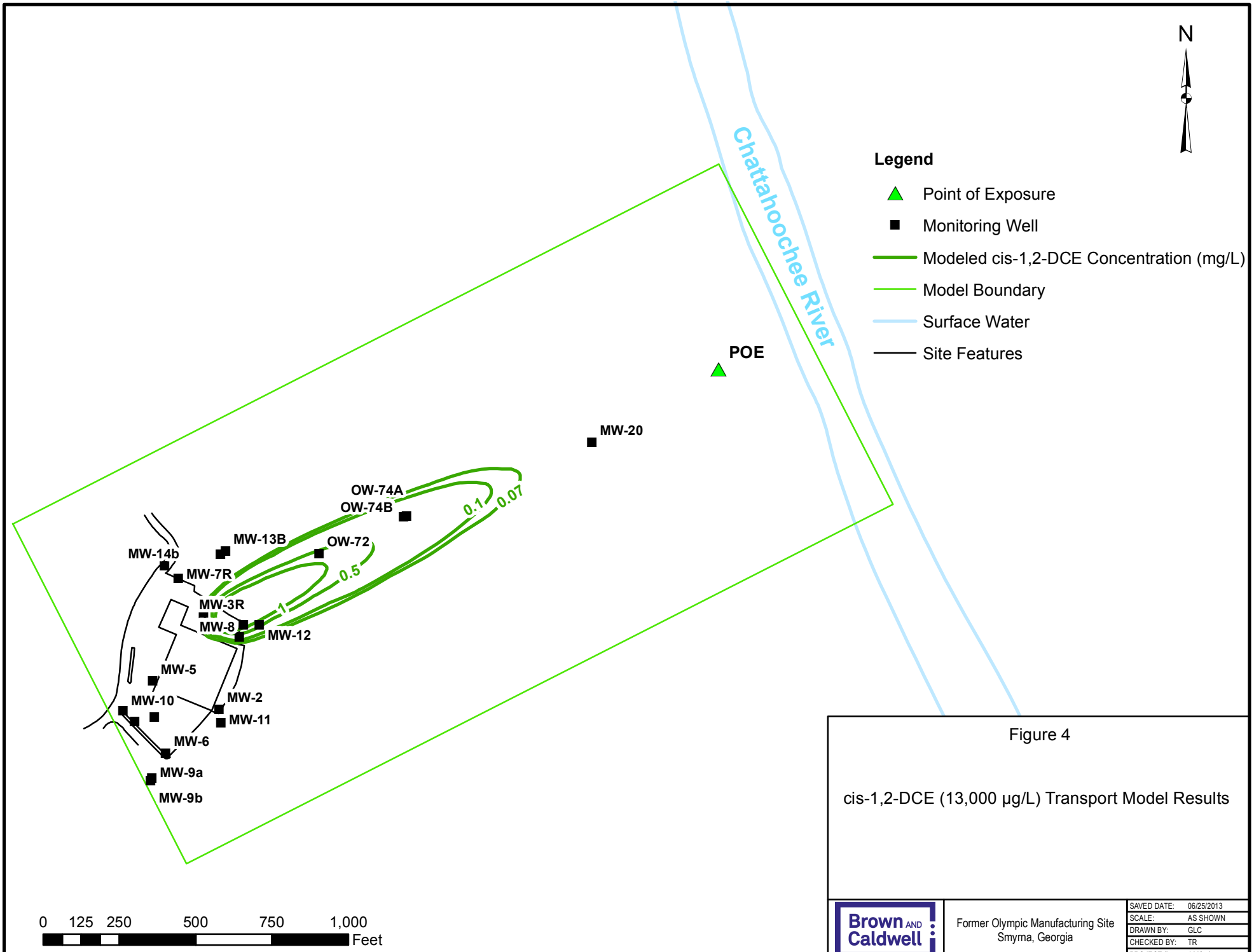

Figure 4

cis-1,2-DCE (13,000 µg/L) Transport Model Results

Brown AND Caldwell

Former Olympic Manufacturing Site
Smyrna, Georgia

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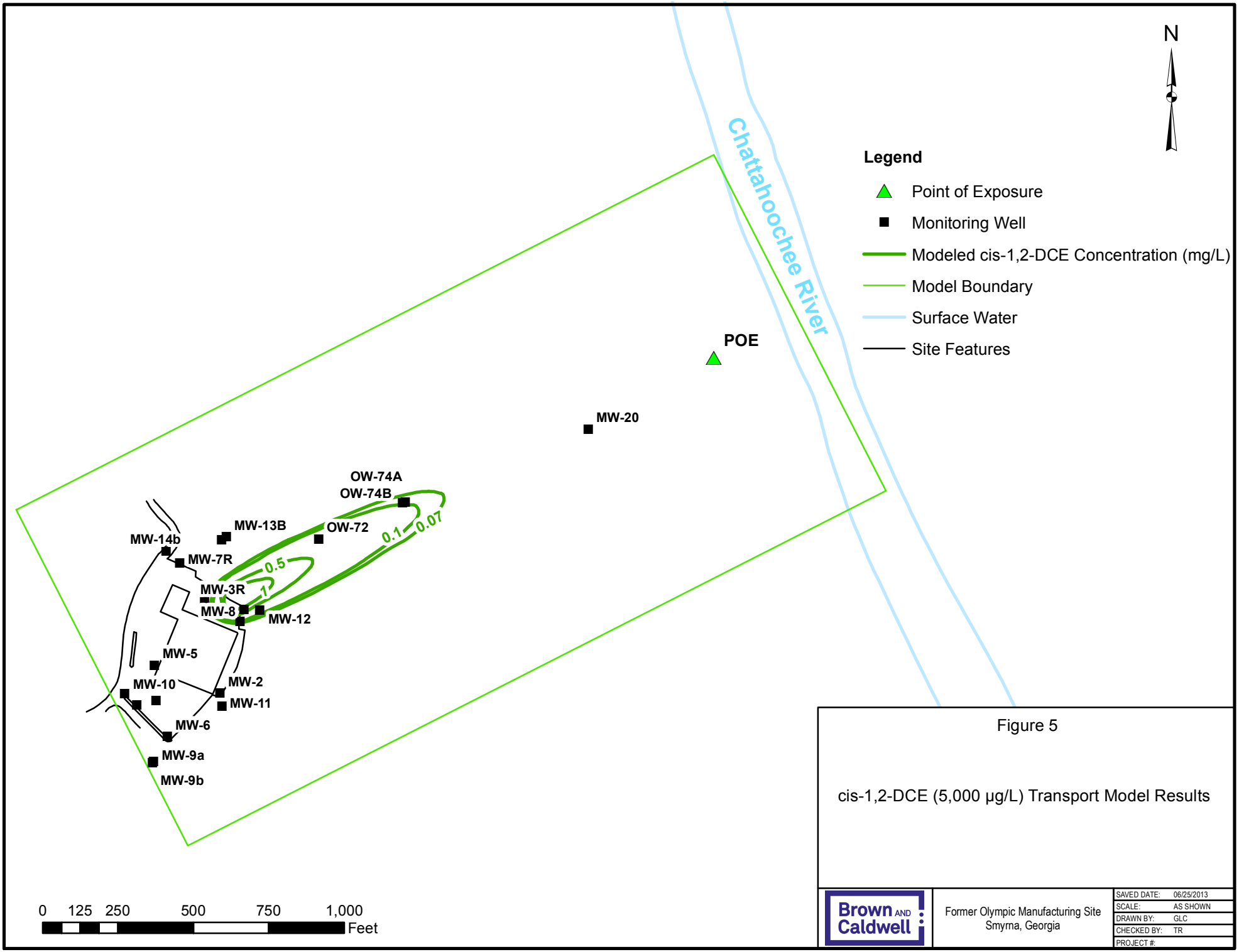

Figure 5

cis-1,2-DCE (5,000 µg/L) Transport Model Results

Brown AND Caldwell

Former Olympic Manufacturing Site
Smyrna, Georgia

SAVED DATE:	06/25/2013
SCALE:	AS SHOWN
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Attachment A: Decay Rate Calculations

Estimation of Degradation Contribution Due to Biodegradation Trichloroethene						
Distance Downgradient, feet	0	313	609	695	829	900
Concentration, ug/liter	50	40	30	20	10	5
Log of Concentration	3.912	3.689	3.401	2.996	2.303	1.609

Seepage Velocity	1062	feet/year		
Retardation Factor	3			
Retarded Seepage Velocity	354	feet/year		
X Direction Disperivity	1	feet		
k/v_x	-0.002268	$feet^{-1}$		
Total Degradation				
First Order Decay Rate	-2.408243	$years^{-1}$		
Haft-Life (years)	-0.29	years	**Percent Due to Biodegradation**	
Degradation Due to Biodegradation			33%	
First Order Decay Rate	-0.800927	$years^{-1}$		
Haft-Life (years)	-0.87	years	-315.8152	
r^2	0.7716802			

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

Estimation of Degradation Contribution Due to Biodegradation cis-1,2-Dichloroethene						
Distance Downgradient, feet	0	208	350	611	645	700
Concentration, ug/liter	5,000	1,000	100	70	10	5
Log of Concentration	8.517	6.908	4.605	4.248	2.303	1.609

Seepage Velocity	1062	feet/year	
Retardation Factor	3		
Retarded Seepage Velocity	354	feet/year	
X Direction Disperivity	1	feet	
k/v_x	-0.009076	$feet^{-1}$	
Total Degradation			
First Order Decay Rate	-9.639203	$years^{-1}$	
Haft-Life (years)	-0.07	years	**Percent Due to Biodegradation**
Degradation Due to Boidegradation			33%
First Order Decay Rate	-3.183904	$years^{-1}$	
Haft-Life (years)	-0.22	years	-79.44491
r^2	0.9232079		

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

Technical Memorandum

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Prepared for: Former Olympic Manufacturing Site
Smyrna, Georgia

Project Title: Groundwater Fate and Transport Modeling
Georgia Voluntary Remediation Program

Project No: 145686.020.002

Technical Memorandum

Subject: Flow and Transport Model Development and Evaluation
Groundwater in the Vicinity of MW-9a/9b
Former Olympic Manufacturing Site

Date: June 26, 2015

To: Trish Reifenberger, P.E., Project Manager, Brown and Caldwell

From: Gregory L. Christians, P.G., Associate Hydrogeologist, Brown and Caldwell

Copy to: File

Prepared by: Gregory L. Christians
Gregory L Christians, P.G., Associate Hydrogeologist

Reviewed by:
Jeff Weaver P.G., Managing Hydrogeologist

Limitations:

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Table of Contents

List of Figures ii
List of Tables ii
List of Abbreviations iii
Section 1: Background and Scope of Work 1
1.1 Objective 1
1.2 Conceptual Site Model 1
1.3 Flow and Transport Models 2
Section 2: Flow Model Development 3
2.1 Model Specifications 3
2.2 Model Grid 3
2.3 Model Layering 3
2.4 Boundary Conditions 4
2.5 Aquifer Parameter 4
2.6 Stress Periods and Initial Conditions 4
2.7 Calibration 4
Section 3: Transport Model Development 5
3.1 Solute Transport Model 5
3.2 Transport Model and Parameters 5
Section 4: Predictive Model Simulations 5
4.1 Scenario 5
4.2 Transport Model Uncertainty 6
Section 5: Summary 6
References 6

List of Figures

Figure 1. Former Olympic Manufacturing Site and Surrounding Properties
Figure 2. Model Extents
Figure 3. Graph of Modeled Heads versus Measured Heads
Figure 4. Comparison of Modeled Heads to Measured Heads
Figure 5. Modeled Maximum Extent of Chlorobenzene Concentrations

List of Tables

Table 1. Specifications of the Numerical Flow Model 3

List of Abbreviations

amsl	above mean sea level
COCs	constituents of concern
CSM	conceptual site model
ft	feet
ft/day	feet per day
ft/ft	foot per foot
EPD	Environmental Protection Division
µg/L	micrograms per liter
MNA	monitored natural attenuation
MT3D	solute transport code, MT3DMS
PEST	model-independent parameter estimation
RRS	EPD risk reduction standard
VRP	Voluntary Remediation Program

Section 1: Background and Scope of Work

In compliance with the Georgia Environmental Protection Division's (EPD's) Voluntary Remediation Program (VRP), a numerical model has been developed to simulate general groundwater flow and chemical fate and transport conditions in the vicinity of monitoring wells MW-9a and MW-9b associated with the Former Olympic Manufacturing/Diversey (Former Olympic) Site (Site) in Smyrna, Georgia (Hazardous Site Inventory [HSI] site no. 10435). The model has been used to evaluate migration of the chlorobenzene currently observed in these monitoring wells in order to evaluate compliance with the Site cleanup requirements under the VRP.

Monitoring wells MW-9a and MW-9b are located on a property owned by Crimson Three Partners, LLC (Crimson) located southwest of the Former Olympic property (**Figure 1**). Following extended discussion with the EPD, it was agreed that the Crimson property would be included as a Qualifying Property under the Site's VRP application, and that Hillshire and Rathon would simulate the groundwater concentrations on the Crimson property in support of demonstrating compliance with applicable Risk Reduction Standards (RRSs). This technical memorandum (TM) documents the selected flow and fate and transport models, their usage, and summarizes the results. This modeling effort was separate from that previously conducted and submitted to the EPD for groundwater at the north end of the Site. Groundwater concentrations at the Site are well documented in reports submitted to the EPD since prior to the Site being listed on the HSI.

Groundwater sampling has identified chlorobenzene concentrations in MW-9a and MW-9b in excess of the RRS of 136 micrograms per liter (µg/L). During the April 2015 groundwater sampling event, chlorobenzene was observed in monitoring wells MW-9a and MW-9b at concentrations of 150 µg/L and 220 µg/L, respectively. The concentrations observed in other wells on the Crimson and Former Olympic properties indicate that the overall source is limited. Chlorobenzene concentrations in these wells have been generally decreasing since sampling began in 2001 and 2002. Several studies have shown that chlorobenzene can readily be degraded under aerobic conditions. During biodegradation, chlorobenzene can be completely mineralized to carbon dioxide (Lawrence, 2006). Chlorobenzene has also been observed to biodegrade under anaerobic conditions. Under aerobic conditions, chlorobenzene has been shown to have a half-life range from 69 to 150 days. A half-life range of 280 to 580 days has been reported for anaerobic conditions (Lawrence, 2006). The relatively rapid degradation of chlorobenzene under either aerobic or anaerobic conditions typically limits downgradient migration.

This memorandum summarizes the basis for key assumptions and results of this modeling effort.

1.1 Objective

The primary objective of this fate and transport modeling effort was to evaluate plume stability and whether natural attenuation processes will result in limited downgradient migration of chlorobenzene as observed on the Site.

1.2 Conceptual Site Model

The development of a Conceptual Site Model (CSM) is a critical part of a site investigation and remediation project and serves as the basis for the understanding of hydrogeologic conditions and how these conditions influence the fate and transport of chlorobenzene in groundwater. The following is a brief discussion of the CSM for this Site.

The Site hydrogeology is primarily comprised of a saprolite water table aquifer underlain by a weathered bedrock aquifer. The unconsolidated materials comprising the saprolite are characterized as reddish brown

micaceous sandy silt to silty clay. As the uppermost hydrogeologic unit at the Site, the saprolite has been observed to range in thickness from approximately 35 feet (ft) to approximately 107 ft. The depth to groundwater generally ranges from approximately 20 to 25 feet at the southern end of the Site to 45 to 55 ft at the northern end of the Site. Given these groundwater depths in relation to the base of the saprolite, there are areas where the saprolite is unsaturated. In this case, the water table is generally observed within the upper portion of the underlying weathered bedrock. In areas where the water table is observed to be above the base of the saprolite, saturated conditions are on the order of a few inches to as great as 73 ft. Hydraulic conductivities within the saprolite are considered to be relatively low. Slug test results from within the saturated saprolite yielded an average hydraulic conductivity of 0.21 ft per day (ft/day).

The upper portion of the bedrock has been characterized as gray foliated phyllonite with numerous fractures that diminish with depth. The bedrock in this zone is moderately to highly weathered. The fractured and weathered zone ranges in thickness from approximately 20 ft to 40 ft. Hydraulic conductivities associated with the weathered bedrock zone range from 2.9 ft/day to 11 ft/day, with a geometric mean value of 5.2 ft/day. Groundwater is generally observed to be under confined or semi-confined conditions, with the exception of the upland areas where water table conditions may exist. Groundwater elevations within the vicinity of the Site generally ranged from 776 ft above mean sea level (amsl) to 813 ft amsl. A groundwater divide appears to bisect the Site and adjacent properties with groundwater generally flowing to the northeast and to the southwest.

Based on the distribution of chlorobenzene concentrations observed in Site monitoring wells, it appears that the source of the chlorobenzene is located on the northeast side of the groundwater divide in the vicinity of MW-9a/9b. Given this, the chlorobenzene plume is expected to migrate to the northeast. Groundwater flow on either side of the divide will ultimately discharge into the Chattahoochee River. The average horizontal gradient within the weathered bedrock is approximately 0.043 foot per foot (ft/ft). This relatively high horizontal gradient results from the Site's upland location relative to the nearby Chattahoochee River.

When saturated conditions were observed within the saprolite, vertical gradients between the saprolite and the upper bedrock were generally observed to be downward. This is consistent with the underlying weathered bedrock's hydraulic conductivity being at least one to two orders of magnitude greater than that observed within the saprolite. Given this, Site constituents of concern (COCs) within the saprolite are expected to generally migrate vertically downward into the underlying weathered bedrock unit that serves as the primary horizontal migration pathway associated with off-Site migration.

1.3 Flow and Transport Models

As indicated above, the weathered bedrock unit is the primary horizontal migration pathway associated with the Site, and therefore a diagnostic level flow and transport model was developed to evaluate COC migration within this unit. A diagnostic level model refers to a model that generally represents site conditions sufficiently so that the data quality objectives (DQO's) can be evaluated. The diagnostic level model is quasi-calibrated to the extent that it reasonably matches groundwater elevations and more importantly it matches the groundwater flow direction and gradient. The development of such a model allows it to be used to evaluate the DQOs within a reasonable level of uncertainty.

As a result, a numerical model using MODFLOW and MT3D were selected to evaluate flow and transport, respectively. The diagnostic level groundwater flow model was developed using the MODFLOW 2000 computer code (Harbaugh et al., 2000). Solute transport modeling was performed using the MT3DMS version of the MT3D computer code coupled with the results of the flow model (Zheng, 1990). Development and quality assurance/quality control (QA/QC) of this numerical model was fully integrated using the ArcGIS™ (Version 10) Geographic Information System (GIS) software (ESRI, 2011) so that model results and input data were fully compatible between current spreadsheet, database, GIS, and modeling software

packages. Groundwater Vistas, version 6.0 build 11 (ESI, 2011), was used as a graphic user interface to facilitate integration of model data with GIS, as well as pre- and post-processing of the numerical model files.

Section 2: Flow Model Development

2.1 Model Specifications

Table 1 presents the general specifications of the flow and transport model.

Table 1. Specifications of the Numerical Flow Model

Model Characteristics	Specifications
Active Model Domain	Approximately 2,500 ft. by 4,750ft.
Units	Time: Days Length: Feet
Model Grid	162 rows by 171 columns (Active cells)
Cell Size	10 feet to 100 feet
Layering – 1 Layer	Layer 1 (Weathered Bedrock Unit); Confined Aquifer
Hydraulic Parameters	Consistent with measured Site parameters
Leakance	Leakance between the saprolite and the underlying weathered bedrock was represented by recharge
MODFLOW Packages	MODFLOW 2000 (groundwater flow): Basic, Layer-Property Flow, Discretization, Output Control, Solver, General Head, Constant Head MT3DMS (solute transport)
Boundary Conditions	General head boundaries along the southwestern perimeter of the model domain for layer 1 to simulate site groundwater elevations along said perimeter
Surface Water Interactions	Constant head cells for Riverhead elevation
Base Flow Model Calibration Period	Steady-state model calibrated to observed heads measured in April 2015 (One Stress Period)
Transport Quasi-Calibration Period Stress Period	One Transient Stress Period, One time step Estimated Release Period length: 7,300 days (20 years)

Specific details and assumptions associated with the model are presented in the following sections.

2.2 Model Grid

A model domain of 2,500 ft by 4,750 ft was selected to model flow within the weathered bedrock unit. The long axis of the model domain was set parallel to the observed groundwater flow direction. The grid was extended along the Chattahoochee River in both the northeast and southwest directions. The model domain and grid layout is presented on **Figure 2**.

2.3 Model Layering

A single model layer (layer 1) was selected to represent groundwater flow within the weathered bedrock unit. The top of layer 1 was varied based on the estimated top of bedrock elevations obtained from Site well data.

Where Site well data were not available, surface topography and nearby measured saprolite thickness were used to estimate the top of the weathered bedrock.

The weathered unit was observed to vary between 20 and 40 feet in thickness. A uniform thickness of 30 ft was selected and used for layer 1 to represent average groundwater flow conditions.

2.4 Boundary Conditions

General head cells and river cells were used to represent groundwater conditions at the margins of the model and constant head boundaries were used to represent surface water levels within the river. The location of the general head and constant head boundary conditions are presented on **Figure 2.** Groundwater elevation projected from Site data were extended to the margins of model. These projected heads were used to represent the general head boundary conditions. The constant head boundaries representing surface water stages in the river were estimated from a topographic map.

2.5 Aquifer Parameter

Hydraulic conductivities based on slug tests, associated with the weathered bedrock zone, ranged from 2.9 ft/day to 11 ft/day, with a geometric mean value of 5.2 ft/day. In order to obtain a reasonable match with Site groundwater elevations and gradients, PEST, a model-independent parameter estimation algorithm, was used to derive the distribution of hydraulic conductivities within the weathered bedrock. The PEST derived estimates of hydraulic conductivity provide a distribution that optimizes calibrations to observed water level conditions. PEST provided distribution hydraulic conductivities for the weather bedrock that ranged from 1 ft/day to 13 ft/day.

2.6 Stress Periods and Initial Conditions

The calibrated diagnostic level groundwater flow model was initially set up to produce a steady-state solution. In support of the MT3D transport model simulations, the groundwater flow model was then set to run under transient conditions. A single stress period of 20 years was used in both the flow and transport models to allow the COC plumes to be simulated 20 years into the future.

2.7 Calibration

Given the nature of a diagnostic level model, the flow model was quasi- calibrated by comparing measured heads collected in April 2015 to modeled heads. Hydraulic conductivity, general head boundary elevation, and river elevations were varied to obtain a better overall match with observed water levels. Hydraulic conductivity values were varied using PEST. The process resulted in simulated groundwater elevations that were similar to those observed in April 2015. The calibration statistics for the flow model indicated a residual mean of 0.041 feet, an absolute residual mean of 2.3 feet and a sum of residuals of 0.57 feet. The general rule of thumb is that a model is considered to be reasonably calibrated if the absolute residual mean is less than 10 percent of the total head change across the model. The estimated absolute residual mean was estimated to be approximately 4 percent of the total head change (approximately 46 feet) across the model. The residual mean square or standard deviation was approximately 3.1 feet indicating the flow model in reasonably calibrated to meet the needs of the diagnostic level model. Additionally, **Figure 3** provides a graph of the measured heads versus modeled heads that shows reasonable agreement between the measured and modeled heads. The simulated groundwater elevations are presented on **Figure 4**. Based on the agreement between the measured and modeled heads, the flow model is deemed to sufficiently simulate general Site conditions to allow it to be used as a diagnostic level flow model. This diagnostic level flow model adequately simulates known flow conditions within the weathered bedrock and allows it to be used to evaluate chlorobenzene migration within the weathered bedrock.

Section 3: Transport Model Development

3.1 Solute Transport Model

The primary objective of this diagnostic level transport model is to assess the viability of monitored natural attenuation (MNA) processes as a primary remedial component for maintaining plume stability, and whether these processes will limit the risk of Site COC migration. The solute transport code, MT3DMS (or MT3D), was used to model the behavior of chlorobenzene under the primary assumption that observed concentrations within the saprolite will serve as sources to the underlying weathered bedrock unit and that an isolated continuing source is present in the vicinity of MW-9a and MW-9b on the Site.

For this modeling effort, a worst-case scenario of a continuing source was assumed at, or upgradient of, the MW-9a and MW-9B area. Recharge cells were used to represent the continuing source of chlorobenzene and the transport model was run forward in time for 20 years. The basic premise was to assess whether the downgradient plume concentrations are stable and downgradient migration is minimal under a continuous source scenario. Overall observed chlorobenzene concentrations have been trending downward, and thus the model results are inherently conservative.

A continuous source concentration of 250 µg/L chlorobenzene was used in the transport model.

3.2 Transport Model and Parameters

MT3DMS with the finite difference scheme was used to simulate the transport of chlorobenzene in the weathered bedrock. The groundwater flow model grid and cell-to-cell flow parameters were used to support the development of the MT3D transport model. The primary transport parameters used in the model simulation are:

- Average porosity of the weathered bedrock was estimated to be 5 percent.
- The longitudinal dispersivity was calculated using an estimated transport length of 500 feet and the Modified Xu and Eckstein equation (Xu and Eckstein, 1995). Using this method, the longitudinal dispersivity was estimated to be 18.0 ft. The transverse and vertical dispersivity was estimated to be 1.8 ft and 0.18 ft, respectively.
- A decay rate is typically used to model the reduction of COC mass based on biotic processes. Lawrence 2006 indicated that decay rates for chlorobenzene have been measured to range from 60 to 580 days. Using a trial and error process, a half-life of 365 days was selected to best represent chlorobenzene concentration observed in MW-9b, MW-6, and MW-11.
- A chlorobenzene log K_{oc} of value of 1.92 L/g, an f_{oc} value of 0.001, and bulk density value of 1.9 g/cm^3 was used to estimate a retardation factor.

Section 4: Predictive Model Simulations

4.1 Scenario

The model scenario assumes a continuous chlorobenzene source upgradient of MW-9b of 250 µg/L. Using a trial and error process, a half-life of 365 days was selected to best represent the April 2015 chlorobenzene concentrations observed in MW-9b, MW-6, and MW-11. The modeled chlorobenzene concentrations in MW-9b, MW-6, and MW-11 were within approximately 10 percent of the April 2015 measured concentrations. The simulation was run forward in time for 20 years; however, the expansion of the plume reached a point of equilibrium at approximately five years. The simulated chlorobenzene plume, under equilibrium conditions

and at a concentration exceeding the RRS of 136 µg/L was estimated to extend approximately 125 feet downgradient of MW-9b. The results of this simulation are presented on **Figure 5.**

4.2 Transport Model Uncertainty

In transport modeling, half-lives, or decay rates, are typically the most sensitive transport parameter and give rise to the greatest uncertainty in model predictions. The estimated half-life of 365 days is within the mid-range, on the lower end of values, reported in the literature. However, the current rate of groundwater flow and the fact that the current plume is observed to be stable or decreasing, illustrate that the use of this decay rate is appropriate given current Site conditions. A model simulation was completed with the maximum reported half-life of 580 days. The result of this simulation indicated that the chlorobenzene plume was only projected to expend approximately 10 percent further beyond the base simulation.

A level of uncertainty also exists associated with the less sensitive parameters such as dispersivity and porosity. To further limit the overall model uncertainty, Site-specific data are needed that would require extensive field and lab testing. However, model simulations completed with dispersivity increased and decreased by 50 percent and porosity reduced to 1 percent. The results of these simulations were also within approximately 10 to 15 percent of the base case simulation. Given this, the current transport model is considered sufficient to meet the objectives of this diagnostic level model effort. Therefore, the levels of uncertainty associated with the transport model parameters are understood and are considered to be within acceptable levels.

Section 5: Summary

The primary objective of this fate and transport modeling effort was to evaluate chlorobenzene plume stability and whether natural attenuation processes will result in limited downgradient migration as observed on the Site.

A flow model was developed and calibrated to adequately represent groundwater flow within the weathered fractured bedrock. The flow model was used as the bases for development of a transport model to evaluate chlorobenzene migration. The transport simulation under a varying range of transport parameters indicated that the portion of the plume that exceeds the RRS of136 µg/L is only projected to extend approximately 120 feet downgradient of MW-9b.

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Figures

Figure 1 – Former Olympic Manufacturing Site and Surrounding Properties

Figure 2 – Model Extents

Figure 3 – Graph of Modeled Heads versus Measured Heads

Figure 4 – Comparison of Modeled Heads to Measured Heads

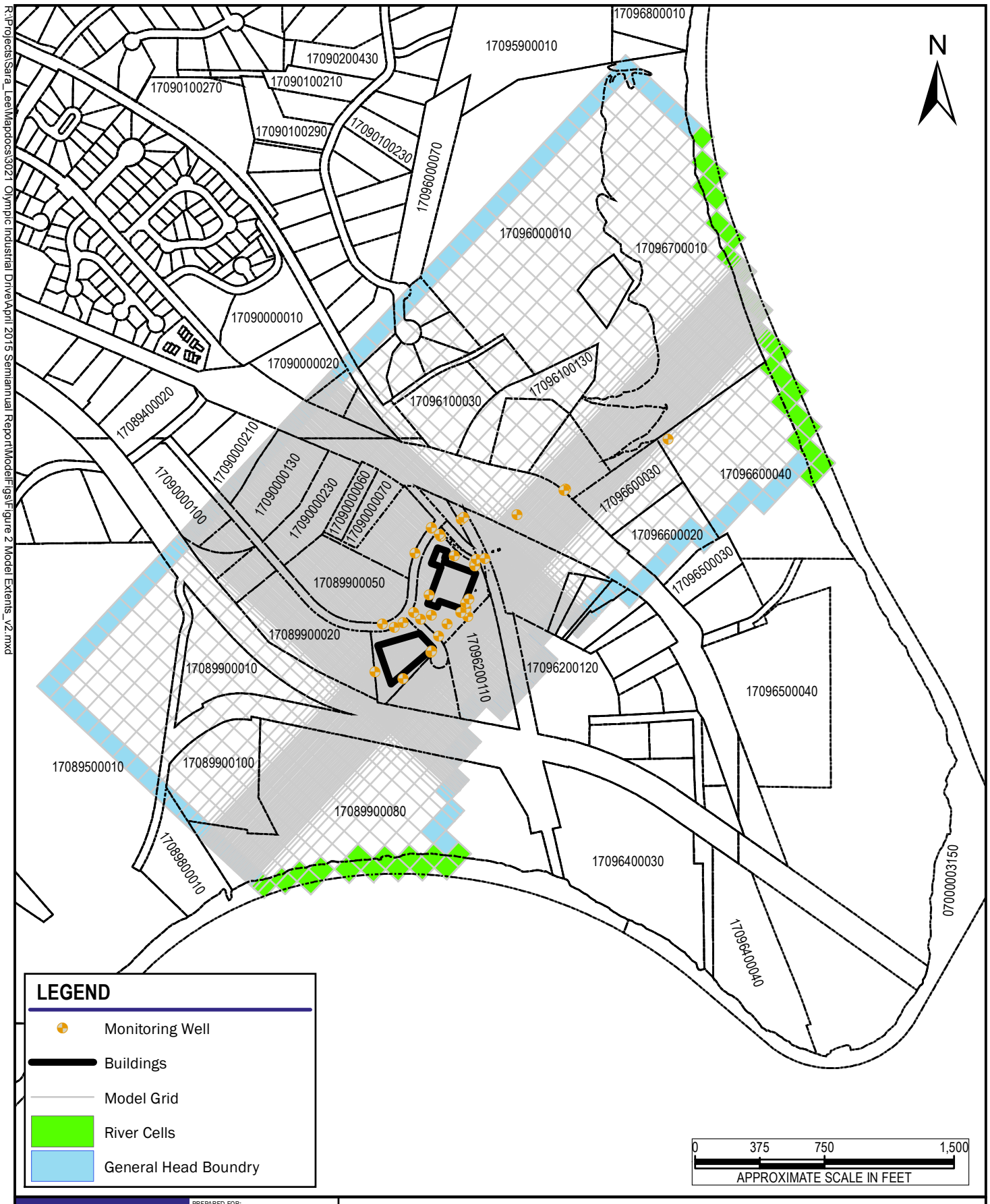
Figure 5 – Modeled Maximum Extent of Chlorobenzene Plume



Brown AND Caldwell

PREPARED FOR:	Former Olympic Manufacturing Site
DATE:	06/26/2015
SCALE:	AS SHOWN
DRAWN BY:	GLC
CHECKED BY:	PCR
PROJECT #:	145686

Figure 1
Former Olympic Manufacturing Site
and Surrounding Properties
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



LEGEND

- Monitoring Well
- Buildings
- Model Grid
- River Cells
- General Head Boundry

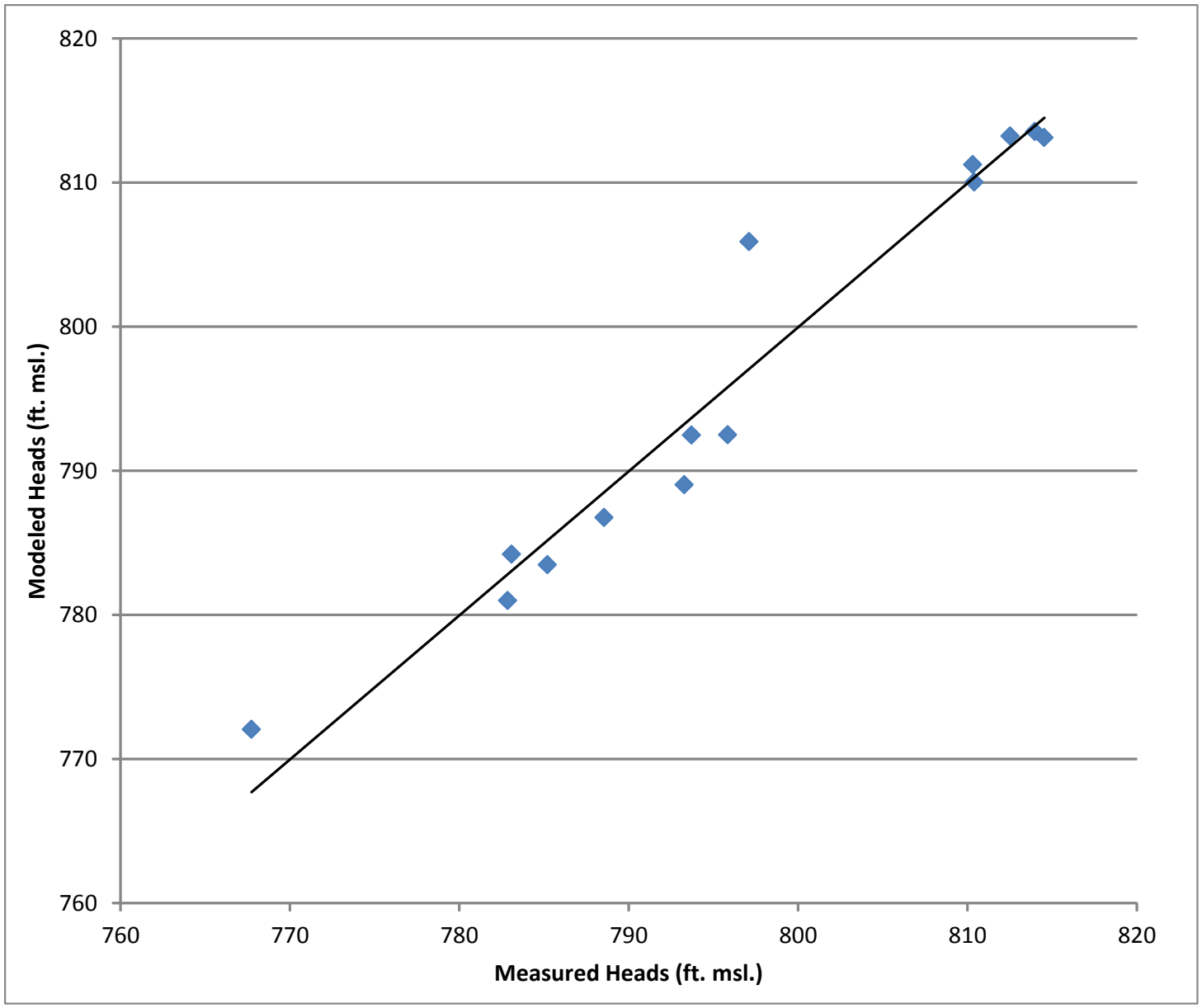
Brown AND Caldwell

PREPARED FOR:	Former Olympic Manufacturing Site
DATE:	06/26/2015
SCALE:	AS SHOWN
DRAWN BY:	GLC
CHECKED BY:	PCR
PROJECT #:	145686

Figure 2
Model Extents

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

Accessed By: RJONES at 06/26/2015 12:26



Prepared For:
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

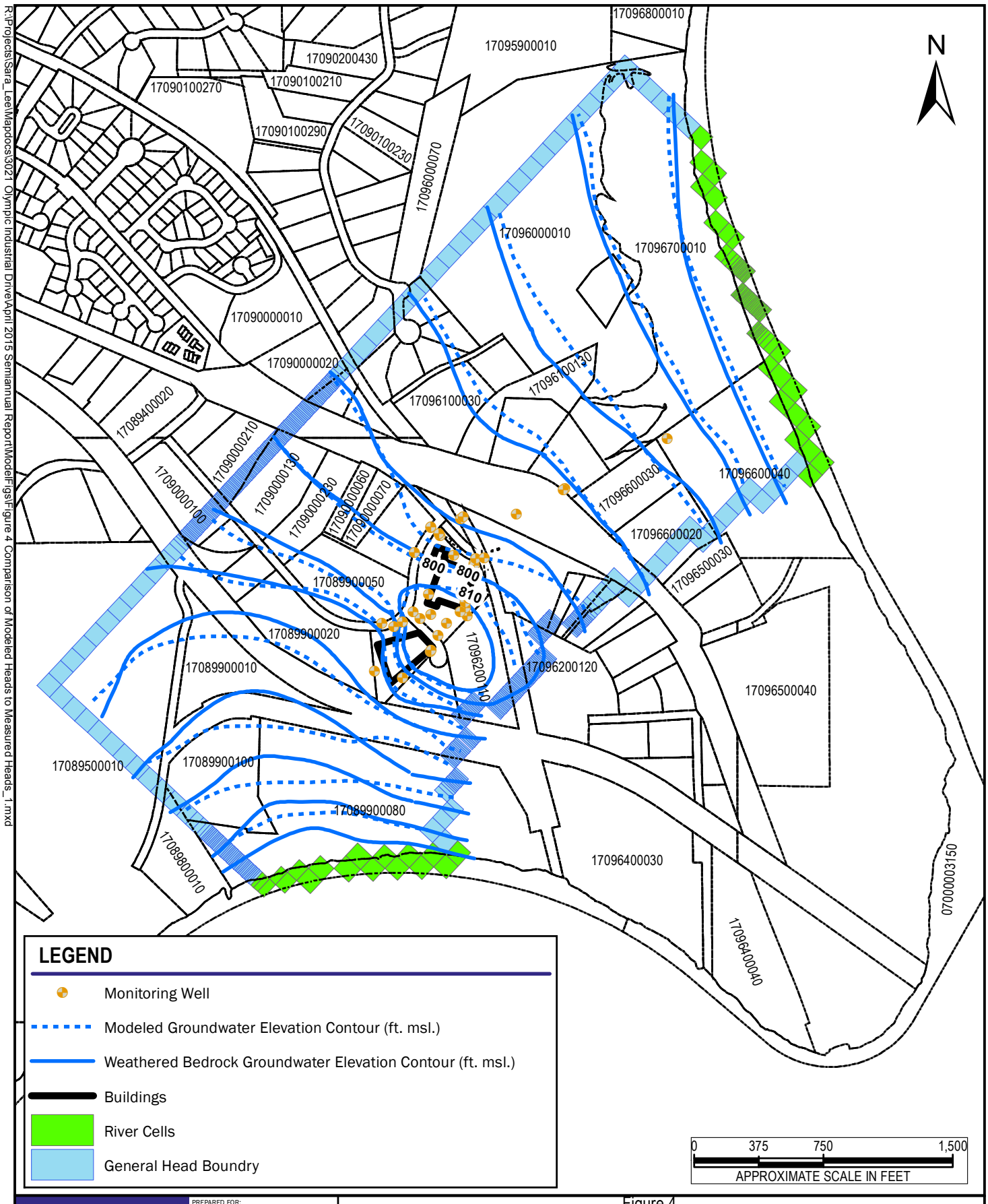
Brown AND Caldwell

SAVED DATE:	06/26/2015
SCALE:	AS SHOWN
DRAWN BY:	GLC
CHECKED BY:	TPR
PROJECT #:	145686

Figure 3
Graph of Modeled Heads
versus Measured Heads

Former MacGregor Golf Company
1601 South Slappey Blvd; Albany, Dougherty County, Georgia

R:\Projects\Sara_Lee\Mapdocs\3021 Olympic Industrial Drive\April 2015 Semiannual Report\ModelFigs\Figure 3 Graph Modeled Heads versus Measured Heads.mxd

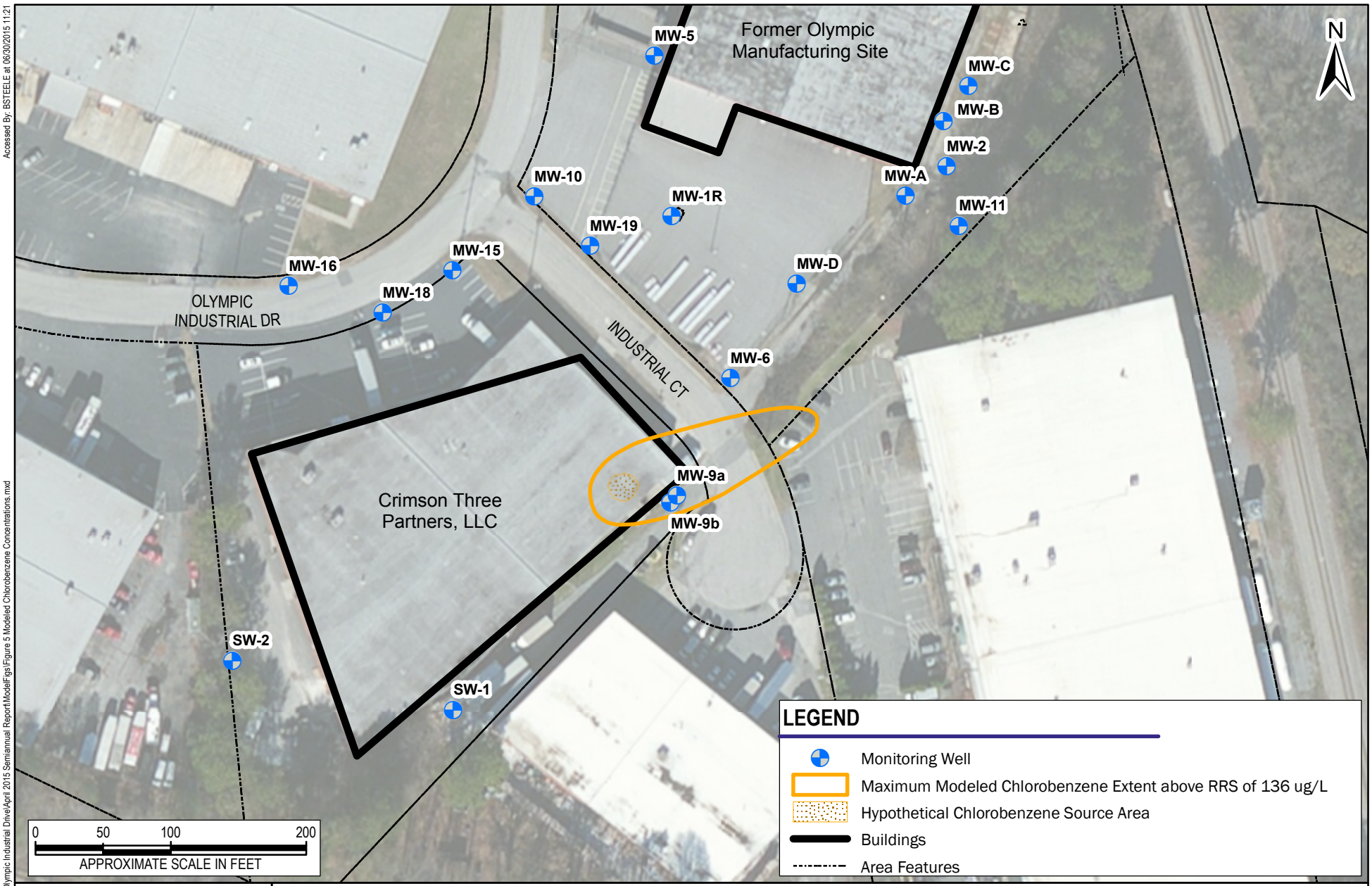


Brown AND Caldwell

PREPARED FOR: Former Olympic Manufacturing Site

DATE:	06/26/2015
SCALE:	AS SHOWN
DRAWN BY:	GLC
CHECKED BY:	PCR
PROJECT #:	145686

Figure 4
Comparison of Modeled Heads to Measured Heads
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia



Prepared For:
Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	06/30/2015
SCALE:	AS SHOWN
DRAWN BY:	GLC
CHECKED BY:	TPR
PROJECT #:	145686

Figure 5
Modeled Maximum Extent of
Chlorobenzene Concentrations

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

Accessed By: BSTEELE at 06/30/2015 11:21
R:\Projects\Sara_Lee\Mapdocs\3021 Olympic Industrial Drive\April 2015 Semiannual Report\ModelFigs\Figure 5 Modeled Chlorobenzene Concentrations.mxd

Appendix H: ELUCS and Commitment Letters

- Airgas Refrigerants, Inc.
- State Properties Commission
- Wesley Properties
- Cobb County
- Crimson Three Partners

DRAFT

After Recording Return to:

The Hillshire Brands Company
c/o Harvey M. Sheldon, Esq.
Hinshaw & Culbertson LLP
222 North LaSalle Street
Chicago, IL 60601

CROSS-REFERENCE: Deed Book:
Page:

Environmental Covenant

This instrument is an Environmental Covenant executed pursuant to the Georgia Uniform Environmental Covenants Act, OCGA § 44-16-1, *et seq.* This Environmental Covenant subjects the Property identified below to the activity and/or use limitations specified in this document. The effective date of this Environmental Covenant shall be the date upon which the fully executed Environmental Covenant has been recorded in accordance with OCGA § 44-16-8(a).

Fee Owner of Property/Grantor:	**Airgas Refrigerants, Inc., a Delaware corporation ("Airgas" or Grantor)** **c/o Ms. Leigh Purdy, Dir. of Real Estate-South Division** **2015 Vaughn Road,** **400 Barrett Business Center** **Kennesaw, GA 30144**
Grantee/Holder:	**The Hillshire Brands Company ("Hillshire")** **c/o General Counsel** **400 South Jefferson Street** **Chicago, IL 60607** **and** **Rathon Corp. ("Rathon")** **P.O. Box 4030, NH 400** **Golden, CO 80401**
Grantee/Entity with express power to enforce:	**State of Georgia** **Department of Natural Resources** **Environmental Protection Division ("EPD")** **2 Martin Luther King Jr. Drive, SE** **Suite 1456 East Tower** **Atlanta, GA 30334**
Parties with interest in the Property:	**Airgas**

Property:

The Property subject to this Environmental Covenant ("Property") is the entire site commonly known as 3051 Olympic Industrial Drive, Smyrna, Cobb County, Georgia, owned of record by Airgas Refrigerants, Inc., a Delaware corporation, a legal description of which is attached as Exhibit A hereto and incorporated herein by reference. The Property is located in Land Lots 961 and 962 of the 17th

District of Cobb County, Georgia. The Property is approximately 4.38 acres in size, and it is designated by the EPD as the Former Olympic Mfg. –Diversey Site, with Hazardous Site Index (HSI) no. 10435. A complete legal description and tax map are attached as Exhibit A.

Tax Parcel Number(s):

Parcels 17096200150 and 17096200220 in Cobb County, Georgia

Name and Location of Administrative Records:

The corrective action at the Property that is the subject of this Environmental Covenant is managed under EPD's Voluntary Remediation Program and is described in the following documents:

- Brown and Caldwell. March 1, 2010. *Voluntary Remediation Program Application. 3051 Olympic Industrial Drive; Smyrna, Georgia.* Prepared for Sara Lee Corporation and Rathon Corp.
- Georgia Environmental Protection Division. May 17, 2010. Letter to Sara Lee Corporation and Rathon Corp. [acceptance into the Voluntary Remediation Program]
- Brown and Caldwell. December 27, 2012. *Voluntary Remediation Program Semiannual Progress Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp. [includes Final Remediation Plan]
- Brown and Caldwell. June 27, 2013. *Voluntary Remediation Program Semiannual Progress Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp. [includes groundwater modeling documentation]
- Georgia Environmental Protection Division. November 25, 2013. Letter to Sara Lee Corporation and Rathon Corp. [EPD comments on Voluntary Remediation Program reports].
- Brown and Caldwell. June 24, 2014. *Voluntary Remediation Program Semiannual Progress Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp.
- Brown and Caldwell. December 23, 2014. *Voluntary Remediation Program Semiannual Progress Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435. December 2014.* Prepared for The Hillshire Brands Company and Rathon Corp.
- Brown and Caldwell. June 30, 2015. *Voluntary Remediation Program Semiannual Progress Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp.
- Brown and Caldwell. December 30, 2015. *Voluntary Remediation Program Progress Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp.
- Brown and Caldwell. February 29, 2016. *Final Compliance Status Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp.

These documents are available at the following location in the files for HSI No. 10435:

Georgia Environmental Protection Division
Response and Remediation Program
2 MLK Jr. Drive, SE, Suite 1054 East Tower
Atlanta, GA 30334
M-F 8:00 AM to 4:30 PM excluding state holidays

Description of Contamination and Corrective Action:

This Property has been listed on the state's hazardous site inventory and has been designated as needing corrective action due to the presence of hazardous wastes, hazardous constituents, or hazardous substances regulated under state law. Contact the property owner or the Georgia Environmental Protection Division for further information concerning this Property. This notice is provided in compliance with the Georgia Hazardous Site Response Act.

This Declaration of Covenant is made pursuant to the Georgia Uniform Environmental Covenants Act, O.C.G.A. § 44-16-1 *et seq*. by Airgas, its successors and assigns, Hillshire and Rathon, and the EPD), its successors and assigns. This Environmental Covenant is required because a release of tetrachloroethene and/or trichloroethene occurred on the Property. Tetrachloroethene and/or trichloroethene are "regulated substances" as defined under the Georgia Hazardous Site Response Act, O.C.G.A. § 12-8-90 *et seq.*, and the rules promulgated thereunder (hereinafter "HSRA" and "Rules", respectively). The Corrective Action consists of the installation and maintenance of institutional controls (prohibition on the use or extraction of groundwater) to protect human health and the environment.

Airgas hereby binds Hillshire and Rathon, their successors and assigns to the activity and use restriction(s) for the Property identified herein and grants such other rights under this Environmental Covenant in favor of Hillshire and Rathon and EPD. EPD shall have full right of enforcement of the rights conveyed under this Environmental Covenant pursuant to HSRA, O.C.G.A. § 12-8-90 *et seq*., and the rules promulgated thereunder. Failure to timely enforce compliance with this Environmental Covenant or the use or activity limitations contained herein by any person shall not bar subsequent enforcement by such person and shall not be deemed a waiver of the person's right to take action to enforce any non-compliance. Nothing in this Environmental Covenant shall restrict EPD from exercising any authority under applicable law.

Airgas makes the following declaration as to limitations, restrictions, and uses to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, pursuant to O.C.G.A. § 44-16-5(a); is perpetual, unless modified or terminated pursuant to the terms of this Covenant pursuant to O.C.G.A. § 44-16-9 and 10; and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property (hereinafter "Owner"). Should a transfer or sale of the Property occur before such time as this Environmental Covenant has been amended or revoked then said Environmental Covenant shall be binding on the transferee(s) or purchaser(s).

The Environmental Covenant shall inure to the benefit of Hillshire and Rathon, EPD, Airgas and their respective successors and assigns and shall be enforceable by the Director or his agents or assigns, Hillshire and Rathon or their successors and assigns, Airgas or its successors and assigns, and other party(ies) as provided for in O.C.G.A. § 44-16-11 in a court of competent jurisdiction.

DRAFT

Activity and/or Use Limitation(s)

1. Registry. Pursuant to O.C.G.A. § 44-16-12, this Environmental Covenant and any amendment or termination thereof, may be contained in EPD's registry for environmental covenants.

2. Notice. The Owner of the Property must give thirty (30) day advance written notice to EPD of the Owner's intent to convey any interest in the Property. No conveyance of title, easement, lease, or other interest in the Property shall be consummated by the Owner without adequate and complete provision for continued monitoring, operation, and maintenance of the Corrective Action. The Owner of the Property must also give thirty (30) day advance written notice to EPD of the Owner's intent to change the use of the Property, apply for building permit(s), or propose any site work that would affect the Property.

3. Notice of Limitation in Future Conveyances. Each instrument hereafter conveying an interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitations set forth in this Environmental Covenant and shall provide the recorded location of the Environmental Covenant.

4. Annual Evaluation. Annually, by no later than January 30 following the effective date of this Environmental Covenant, Hillshire/Rathon or the Owner shall submit to EPD an Annual Evaluation Form stating whether or not the groundwater limitation in this covenant is being abided by. The Annual Evaluation Form shall also state whether or not potable wells have been installed on impacted neighboring and downgradient properties that have an Environmental Covenant in effect, or whose owners have otherwise agreed not to install potable wells.

5. Groundwater Limitation. The use or extraction of groundwater beneath the Property for drinking water or for any other non-remedial purposes shall be prohibited.

6. Right of Access. In addition to any rights already possessed by EPD and/or Hillshire and Rathon, the Owner shall allow authorized representatives of EPD and/or Hillshire and Rathon the right to enter the Property at reasonable times for the purpose of evaluating the Corrective Action; to take samples, and to determine compliance with this Environmental Covenant.

7. Recording of Environmental Covenant and Proof of Notification. Within thirty (30) days after the date of the Director's signature, the Hillshire and Rathon shall file this Environmental Covenant with the Recorders of Deeds for each County in which the Property is located, and send a file stamped copy of this Environmental Covenant to EPD within thirty (30) days of recording. Within that time period, Hillshire and Rathon shall also send a file-stamped copy to each of the following: (1) Airgas, (2) each person holding a recorded interest in the Property subject to the covenant, (3) each person in possession of the real property subject to the covenant, (4) each municipality, county, consolidated government, or other unit of local government in which real property subject to the covenant is located, and (5) each owner in fee simple whose property abuts the property subject to the Environmental Covenant.

8. Termination or Modification. The Environmental Covenant shall remain in full force and effect in accordance with O.C.G.A. § 44-5-60, unless and until the Director determines that the Property is in

compliance with the Type 1, 2, 3, or 4 Risk Reduction Standards, as defined in Georgia Rules of Hazardous Site Response (Rules) Section 391-3-19-.07, whereupon the Environmental Covenant may be amended or revoked in accordance with Section 391-3-19-08(7) of the Rules and O.C.G.A. § 44-16-1 *et seq*.

9. Severability. If any provision of this Environmental Covenant is found to be unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired.

10. No EPD Interest in Property Created. This Environmental Covenant does not in any way create any interest by EPD in the Property that is subject to the Environmental Covenant. Furthermore, the act of approving this Environmental Covenant does not in any way create any interest by EPD in the Property in accordance with O.C.G.A. § 44-16-3(b).

Representations and Warranties.

Grantor hereby represents and warrants to the other signatories hereto:

a) That the Grantor has the power and authority to enter into this Environmental Covenant, to grant the rights and interests herein provided and to carry out all obligations hereunder;
b) That the Grantor is the sole owner of the Property and holds fee simple title which is free, clear and unencumbered;
c) That the Grantor has identified all other parties that hold any interest (e.g., encumbrance) in the Property and notified such parties of the Grantor's intention to enter into this Environmental Covenant;
d) That this Environmental Covenant will not materially violate, contravene, or constitute a material default under any other agreement, document or instrument to which Grantor is a party, by which Grantor may be bound or affected;
e) That the Grantor has served each of the people or entities referenced in Activity 10 above with an identical copy of this Environmental Covenant in accordance with O.C.G.A. § 44-16-4(d).
f) That this Environmental Covenant will not materially violate or contravene any zoning law or other law regulating use of the Property; and
g) That this Environmental Covenant does not authorize a use of the Property that is otherwise prohibited by a recorded instrument that has priority over the Environmental Covenant.

Notices.

Any document or communication required to be sent pursuant to the terms of this Environmental Covenant shall be sent to the following persons:

Georgia Environmental Protection Division
Branch Chief
Land Protection Branch
2 Martin Luther King Jr. Drive SE
Suite 1054 East Tower
Atlanta, GA 30334

The Hillshire Brands Company ("Hillshire")
c/o General Counsel

DRAFT

400 South Jefferson Street
Chicago, IL 60607
and
Rathon Corp. ("Rathon")
P.O. Box 4030, NH 400
Golden, CO 80401

Grantor has caused this Environmental Covenant to be executed pursuant to The Georgia Uniform Environmental Covenants Act, on the _____ day of _____, 20___.

Signed, sealed, and delivered in the presence of:

_____
Unofficial Witness (*Signature*)

_____
Unofficial Witness Name (*Print*)

_____

_____
Unofficial Witness Address (*Print*)

_____
Notary Public (*Signature*)

My Commission Expires:_____

For the Grantor:

Airgas Refrigerants, Inc. a Delaware orporation
Name of Grantor (*Print*)

_____ (Seal)
Grantor's Authorized Representative (*Signature*)

_____
Authorized Representative Name (*Print*)

_____
Title of Authorized Representative (*Print*)

Dated:_____
(NOTARY SEAL)

Signed, sealed, and delivered in the presence of:

_____
Unofficial Witness *(Signature)*

_____
Unofficial Witness Name (*Print*)

_____

_____
Unofficial Witness Address (*Print*)

_____
Notary Public *(Signature)*

My Commission Expires:_____

For the State of Georgia
Environmental Protection Division:

_____ (Seal)
(Signature)

Judson H. Turner
Director

Dated:_____

(NOTARY SEAL)

[Signatures continue on next page]

DRAFT

Signed, sealed, and delivered in the presence of:

Unofficial Witness (*Signature*)

Unofficial Witness Name (*Print*)

Unofficial Witness Address (*Print*)

Notary Public (*Signature*)

My Commission Expires:_____

For Grantee/Holder:

The Hillshire Brands Company
Name of Grantee/Holder (*Print*)

(Seal)
Authorized Representative (*Signature*)

Authorized Representative Name (*Print*)

Title of Authorized Representative (*Print*)

Dated:_____
(NOTARY SEAL)

Signed, sealed, and delivered in the presence of:

Unofficial Witness (*Signature*)

Unofficial Witness Name (*Print*)

Unofficial Witness Address (*Print*)

Notary Public (*Signature*)

My Commission Expires:_____

For Grantee/Holder:

Rathon Corp.

Name of Grantee/Holder (*Print*)

(Seal)
Authorized Representative (*Signature*)

Authorized Representative Name (*Print*)

Title of Authorized Representative (*Print*)

Dated:_____
(NOTARY SEAL)

DRAFT

Exhibit A
Legal Description

STATE PROPERTIES COMMISSION

47 Trinity Avenue, S.W., Suite G02, Atlanta, Georgia 30334

Chairman
Nathan Deal
Governor

Executive Director
Steven L. Stancil

March 3, 2015

Mr. David Brownlee, Unit Coordinator
Georgia Department of Natural Resources
Response and Remediation Program
2 Martin Luther King Jr. Drive, SW, Suite 1462 East
Atlanta, Georgia 30334

RE: Environmental Covenant on State owned property in Smyrna, Cobb County, Georgia

Dear Mr. Brownlee:

The State Properties Commission has been approached by a representative of The Hillshire Brands Company and Rathon Corp. regarding the placement of a Uniform Environmental Covenant (UEC) on property owned by the State of Georgia in Smyrna, Georgia in connection with the Diversey-Olympic Manufacturing Site,HSI #10435 (the "site"). For the State of Georgia to enter into an UEC, the staff of the State Properties Commission must seek General Assembly approval along with the approval of the governing board of the State Properties Commission. Additionally, the State must receive permission from CSX Corporation, current lessee of the subject property, prior to the placement of a UEC on the property.

It is our understanding that the only well on the state-owned property is a groundwater well installed by The Hillshire Brands Company and Rathon Corp. for the purpose of monitoring groundwater quality in connection with the aforementioned site. The State does not intend to utilize groundwater at the location, and potable water is available via the Cobb County Water Department should it be necessary. In light of the foregoing, the State Properties Commission requests that the Environmental Protection Division accept this letter in lieu of placement of a UEC.

Should you have any questions, please contact my office at (404) 656-5602.

Sincerely,

J. Frank Smith
Deputy Executive Director

After Recording Return to:

The Hillshire Brands Company
c/o Harvey M. Sheldon, Esq.
Hinshaw & Culbertson LLP
222 North LaSalle Street
Chicago, IL 60601

CROSS-REFERENCE: Deed Book:
Page:

Environmental Covenant

This instrument is an Environmental Covenant executed for the property identified below (hereinafter "the Property") as part of an environmental response project to address regulated substances released into the environment that have migrated onto the Property in the groundwater. This Environmental Covenant restricts the use of groundwater on the Property to prevent humans from coming into contact with regulated substances.

Fee Owner of Property/Grantor:
Wesley Properties
c/o Jeff Wesley
4938 South Atlanta Road, SE
Atlanta, Georgia 30089

Grantee/Holders:
The Hillshire Brands Company
c/o General Counsel
400 South Jefferson Street
Chicago, IL 60607

and

Rathon Corp.
P.O. Box 4030, NH 400
Golden, CO 80401

Grantee/Entity with express power to enforce:
State of Georgia
Department of Natural Resources
Environmental Protection Division ("EPD")
2 Martin Luther King Jr. Drive, SE
Suite 1456 East Tower
Atlanta, GA 30334

Parties with interest in the Property: **None**

Property Information:

The property subject to this Environmental Covenant ("Affected Area") is a designated portion of the Wesley Properties parcel located at 4938 South Atlanta Road, SE in Smyrna, Georgia 30080 (hereinafter "Property"). The Affected Area is shown on Exhibit A. The portion of

Affected Area Property owned by Wesley Properties and subject hereto consists of one irregular shaped parcel with a total area of about 0.17 acres. A depiction and designation of the Affected Area is that area depicted as Wesley Properties within the yellow lined oval on the Map that is attached as Exhibit A hereto and incorporated herein by reference.

Tax Parcel Number(s):

Parcel ID 17096200070 in Land Lot 17-962 in Cobb County, Georgia

Name and Location of Administrative Record:

The administrative record for the environmental response project is identified as the *Olympic Manufacturing/Diversey Site, HSI Site No. 10435* file. This record is available for review at the following location:

Georgia Environmental Protection Division
Response and Remediation Program
2 MLK Jr. Drive, SE, Suite 1054 East Tower
Atlanta, GA 30334
M-F 8:00 AM to 4:30 PM excluding state holidays

Declaration of Covenant:

This Declaration of Covenant is made pursuant to the Georgia Uniform Environmental Covenants Act, O.C.G.A. § 44-16-1 *et seq.* by Grantor, Grantee/Holder, EPD, and their respective successors and assigns.

Grantor makes the following declaration as to restrictions to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, pursuant to O.C.G.A. § 44-16-5(a); is perpetual, unless modified or terminated pursuant to the terms of this Covenant pursuant to O.C.G.A. § 44-16-9; and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property. Should a transfer or sale of the Property occur before such time as this Environmental Covenant has been amended or revoked then said Environmental Covenant shall be binding on the transferee(s) or purchaser(s).

Grantor hereby binds Grantor, its successors and assigns to the following activity and use limitation for the Property identified herein and grants such other rights under this Environmental Covenant in favor of the Grantee/Holder and EPD.

Activity and/or Use Limitation

Groundwater Use Limitation. The use or extraction of groundwater beneath the Property for drinking water or other potable uses shall be prohibited. The use or extraction of groundwater for any other purpose besides site characterization is prohibited unless conducted under a plan approved in writing by EPD.

General Provisions

Notice of Limitation in Future Conveyances. Each instrument hereafter conveying an interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitation set forth in this Environmental Covenant and shall provide the recorded location of the Environmental Covenant.

Access. Grantor shall provide reasonable access to Grantee/Holder or its assigns to verify compliance for annual reporting to EPD.

Effective Date. The effective date of this Environmental Covenant shall be the date upon which the fully executed Environmental Covenant has been recorded in accordance with OCGA § 44-16-8(a).

Benefit. This Environmental Covenant shall inure to the benefit of Grantee/Holder, EPD, and their respective successors and assigns and shall be enforceable by the Director or his agents or assigns, Grantee/Holder or its successors and assigns, and other party(ies) as provided for in O.C.G.A. § 44-16-11 in a court of competent jurisdiction.

Termination or Modification. This Environmental Covenant shall remain in full force and effect in accordance with O.C.G.A. § 44-16-5, unless and until the Director determines that the Property is in compliance with the Type 1 or 2 Risk Reduction Standards, as defined in Section 391-3-19-.07 of the Georgia Rules of Hazardous Site Response, whereupon the Environmental Covenant may be amended or terminated, as appropriate, in accordance with O.C.G.A. § 44-16-1 *et seq*.

Severability. If any provision of this Environmental Covenant is found to be unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired.

Warranty. Grantor hereby represents and warrants to the other signatories hereto that the Grantor has the power and authority to enter into this Environmental Covenant, to grant the rights and interests herein provided, and to carry out all obligations hereunder and in accordance with O.C.G.A. § 44-16-1 *et seq*.

Grantor has caused this Environmental Covenant to be executed pursuant to The Georgia Uniform Environmental Covenants Act, on the _____day of _____, 20__.

[Signatures on this page and following page.]

Signed, sealed, and delivered in the presence of:

Unofficial Witness *(Signature)*

Austin Walters
Unofficial Witness Name *(Print)*

Unofficial Witness Address *(Print)*

Notary Public *(Signature)*

My Commission Expires: 6/30/18

For Grantor:

Wesley Properties
Name of Grantor *(Print)*

Authorized Representative *(Signature)* (Seal)

JEFF WESLEY
Authorized Representative Name *(Print)*

PARTNER
Title of Authorized Representative *(Print)*

Dated: 6/30/18 6/11/15
(NOTARY SEAL)

JOANN DAUGHTRY
NOTARY PUBLIC
DEKALB COUNTY, GEORGIA
MY COMMISSION EXPIRES JUNE 30, 2018

Signed, sealed, and delivered in the presence of:

Stephanie J. Hendricks
Unofficial Witness *(Signature)*

Stephanie J. Hendricks
Unofficial Witness Name *(Print)*

20 Retford Drive
Bella Vista, AR 72715
Unofficial Witness Address *(Print)*

Peggy Lee Looney
Notary Public *(Signature)*

My Commission Expires: April 23, 2018

For Grantee/Holder:

The Hillshire Brands Company
Name of Grantee/Holder *(Print)*

Authorized Representative *(Signature)* (Seal)

Kevin J. Igli
Authorized Representative Name *(Print)*

SVP & Chief Environmental Officer
Title of Authorized Representative *(Print)*

Dated: August 3, 2015
(NOTARY SEAL)

PEGGY LEE LOONEY
MY COMMISSION # 12365504
EXPIRES: April 23, 2018
Benton County

[Signatures continue on next page]

Signed, sealed, and delivered in the presence of:

B Malone
Unofficial Witness (*Signature*)

BEN MALONE
Unofficial Witness Name (*Print*)

311 10th STREET
GOLDEN, CO 80401
Unofficial Witness Address (*Print*)

Angela L. Vidick
Notary Public (*Signature*)

My Commission Expires: Oct 24, 2019

For Grantee/Holder:

Rathon Corp.

Name of Grantee/Holder (*Print*)

Celso L. White (Seal)
Authorized Representative (*Signature*)

Celso L. White
Authorized Representative Name (*Print*)

Global office supply district offic
Title of Authorized Representative (*Print*)

Dated: August 6, 2015
(NOTARY SEAL)

ANGELA L. VIDICK NOTARY PUBLIC STATE OF COLORADO

Signed, sealed, and delivered in the presence of:

Unofficial Witness (*Signature*)

Unofficial Witness Name (*Print*)

Unofficial Witness Address (*Print*)

Notary Public (*Signature*)

My Commission Expires: _____

For the State of Georgia Environmental Protection Division:

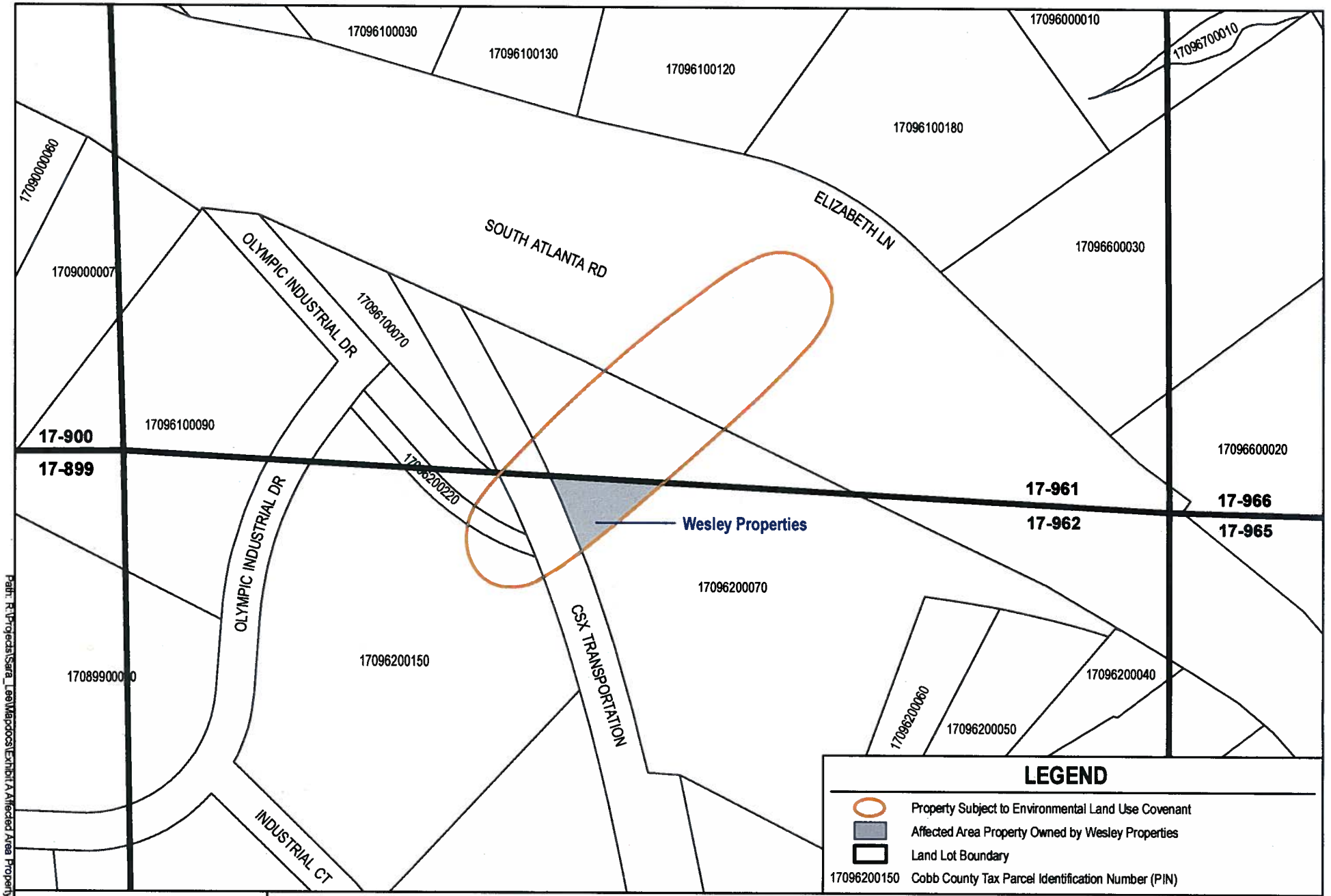
_____ (Seal)
(*Signature*)

Judson H. Turner
Director

Dated: _____
(NOTARY SEAL)

Exhibit A
Property Description

See Attached AFFECTED AREA MAP



Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyma, Georgia

Brown AND Caldwell

SAVED DATE:	05/14/2015
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	PCR
PROJECT #:	145686

Exhibit A

Affected Area Property

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyma, Georgia

Path: R:\Projects\Sara_Lee\Mapdocs\Exhibit A Affected Area Property - Wesley Properties.mxd

COBB COUNTY MANAGER'S OFFICE

David Hankerson
County Manager

100 Cherokee Street, Suite 300
Marietta, Georgia 30090-7000
(770) 528-2600 • fax: (770) 528-2606
dhankerson@cobbcounty.org

July 28, 2015

Mr. David Brownlee
Unit Coordinator
Response and Remediation Program, Response Development 1 Unit
Georgia Environmental Protection Division
2 Martin Luther King Jr. Drive, SE, Suite 1054
Atlanta, Georgia 30334-9000

1016-146638-100

Subject: Environmental Covenant on Property Owned by Cobb County, Georgia
In Connection with the Former Olympic Manufacturing/Diversey Site
HSI Site No. 10435

Dear Mr. Brownlee:

Cobb County (the "County") has been approached by a representative of The Hillshire Brands Company and Rathon Corp. regarding the placement of a Uniform Environmental Covenant (UEC) on property owned by the County in Smyrna, Georgia in connection with the Former Olympic Manufacturing/Diversey Site, HSI site #14035. The purpose of the UEC would be to restrict the use or extraction of groundwater beneath County-owned property consisting of three small parcels totaling less than one acre in size (shown on Exhibit A). The use or extraction of groundwater for any other purpose besides site characterization would be prohibited unless conducted under a plan approved in writing by EPD.

We understand that such UECs are typically attached to the deed for each parcel; however, this is not possible in this case as the County does not hold individual deeds for the property it owns.

It is our understanding that the only well on the specified County-owned property is a groundwater monitoring well installed by the County in 1999 as part of a wastewater tunnel construction project. The county does not intend to utilize groundwater at the specified locations and potable water is available from the Cobb County Water System should it be necessary. In light of the foregoing, the County requests that the Environmental Protection Division accept this letter in lieu of placement of a UEC.

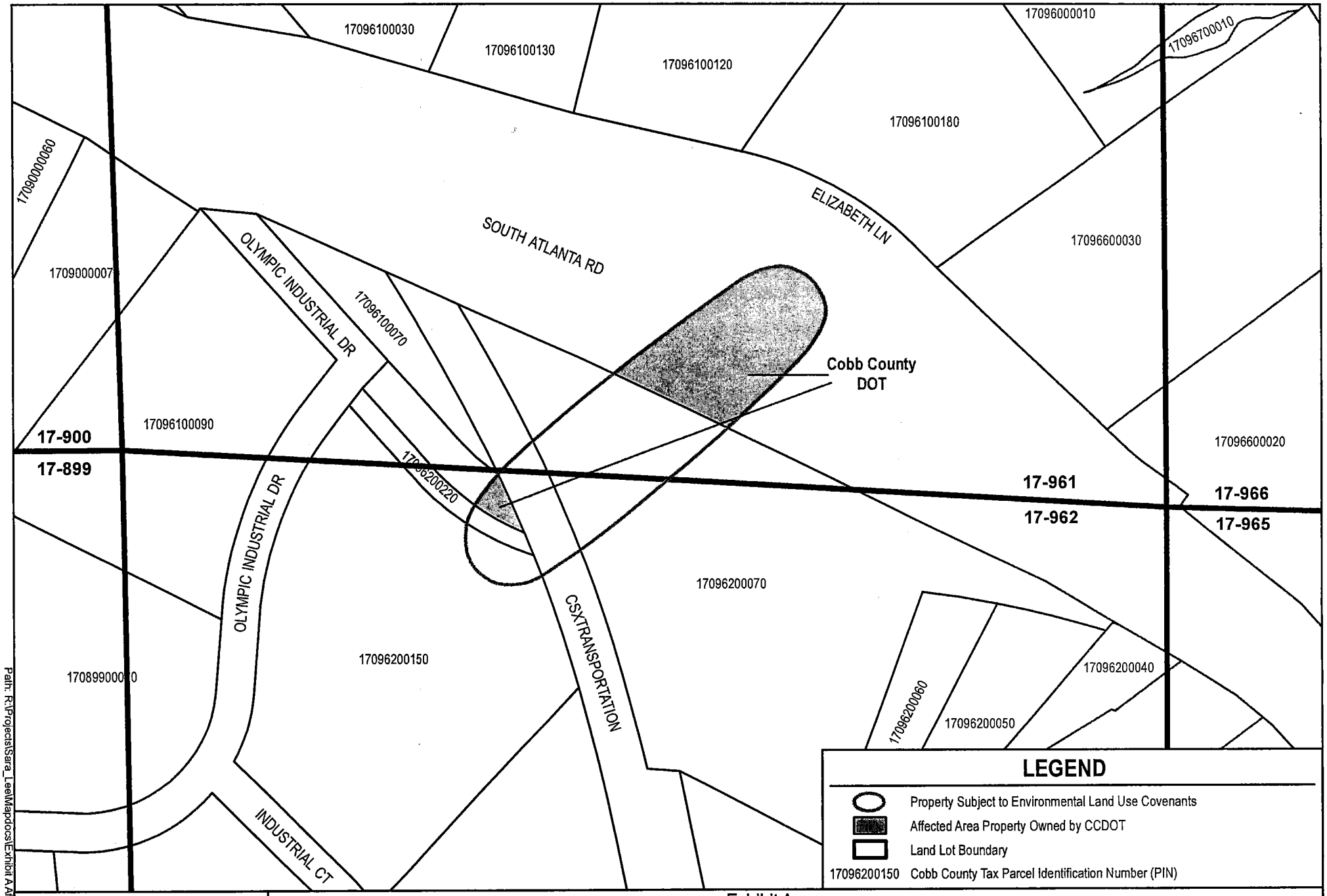
Should you have any questions, please contact my office at (770) 528-2612.

Sincerely,

David Hankerson, County Manager

Enclosure: Exhibit "A" Affected Area Property

cc: Harvey M. Sheldon, Hinshaw & Culbertson LLP



Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	08/04/2014
SCALE:	AS SHOWN
DRAWN BY:	BAS
CHECKED BY:	PCR
PROJECT #:	145686

Exhibit A

Affected Area Property

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive Smyrna, Georgia

Path: R:\Projects\Sara_Lee\Mapdocs\Exhibit A Affected Area Property.mxd

COBB COUNTY MANAGER'S OFFICE

David Hankerson
County Manager

100 Cherokee Street, Suite 300
Marietta, Georgia 30090-7000
(770) 528-2600 • fax: (770) 528-2606
dhankerson@cobbcounty.org

February 22, 2016

Mr. David Brownlee
Unit Coordinator
Response and Remediation Program, Response Development 1 Unit
Georgia Environmental Protection Division
2 Martin Luther King Jr. Drive, SE, Suite 1054
Atlanta, Georgia 30334-9000

1016-146638-100

Subject: Environmental Covenant on Property Owned by Cobb County, Georgia In Connection with the Former Olympic Manufacturing/Diversey Site HSI Site No.10435

Dear Mr. Brownlee:

Cobb County (the "County") earlier provided your office with a letter dated July 28, 2015, regarding the placement of a Uniform Environmental Covenant (UEC) on property owned by the County in Smyrna, Georgia in connection with the Former Olympic Manufacturing/Diversey Site, HSI site #14035. That letter referred to three parcels owned by the County. Unfortunately, the exhibit attached to that letter depicted only two parcels.

Enclosed please find a corrected Exhibit A in substitution for the Exhibit A furnished with our July 28th letter. The corrected exhibit depicts all three parcels covered by that correspondence.

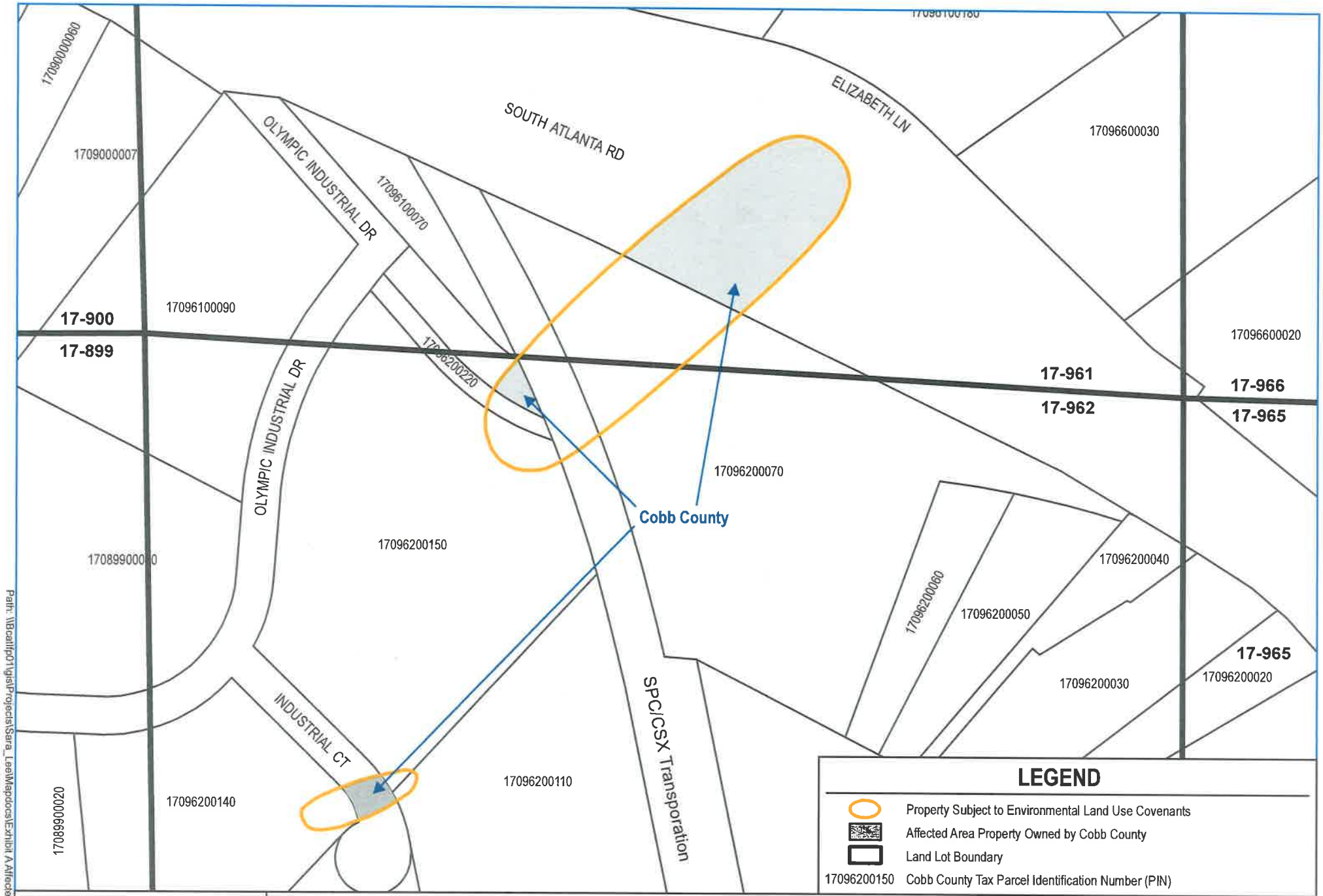
Please feel free to contact my office if you have any questions in this regard.

Sincerely,

David Hankerson
County Manager

Encl.

cc: H. Sheldon, Esq.



Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE:	08/25/2015
SCALE:	AS SHOWN
DRAWN BY:	GLC
CHECKED BY:	TCR
PROJECT #:	145686

Exhibit A

Affected Area Property

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

Path: \\Bcatlfp01\gis\Projects\Sara_Lee\Mapdocs\Exhibit A Affected Area Property.mxd

BK: 15275 PG: 1656-1662
Filed and Recorded Sep-08-2015 03:02:55PM
DOC#: D2015-073701
REBECCA KEATON
CLERK OF SUPERIOR COURT Cobb Cty. GA.

Environmental Covenant
3021 Olympic Industrial Drive, Smyrna, Georgia
Tax Parcel Number(s): 17096200140

After Recording Return to:

Trish Reifenberger, P.E.
Brown and Caldwell
990 Hammond Drive, Atlanta, GA 30328
(770) 673-3630
TReifenberger@Brwncald.com

Grantor/Fee Owner of Property:	Crimson Three Partners, LLC c/o Mike Spears 1230 Peachtree Street, NE Atlanta, Ga 30309-3574
Grantee/Holders:	The Hillshire Brands Company C/o General Counsel 400 South Jefferson Street Chicago, IL 60607
and	Rathon Corp. P.O. Box 4030, NH 400 Golden, CO 80401
Grantee/Entity with express power to enforce:	State of Georgia Department of Natural Resources Environmental Protection Division 2 Martin Luther King Jr. Drive, SE Suite 1152 East Tower Atlanta, GA 30334
Parties with interest in the Property:	BB&T

After Recording Return to:

Georgia Environmental Protection Division
Response and Remediation Program
2 Martin Luther King, Jr. Drive, SE
Suite 1462 East
Atlanta, Georgia 30334

CROSS-REFERENCE: Deed Book:
Page:

Environmental Covenant

This instrument is an Environmental Covenant executed for the property identified below (hereinafter "the Property") as part of an environmental response project to address regulated substances released into the environment that have migrated onto the Property in the groundwater. This Environmental Covenant restricts the use of groundwater on the Property to prevent humans from coming into contact with regulated substances.

Fee Owner of Property/Grantor:	**Crimson Three Partners, LLC** **c/o Mike Spears** **1230 Peachtree Street, NE** **Atlanta, Ga 30309-3574**
Grantee/Holders:	**The Hillshire Brands Company** **C/o General Counsel** **400 South Jefferson Street** **Chicago, IL 60607**
and	
	Rathon Corp. **P.O. Box 4030, NH 400** **Golden, CO 80401**
Grantee/Entity with express power to enforce:	**State of Georgia** **Department of Natural Resources** **Environmental Protection Division** **2 Martin Luther King Jr. Drive, SE** **Suite 1152 East Tower** **Atlanta, GA 30334**
Parties with interest in the Property:	**BB&T**

Property Information:

The property subject to this Environmental Covenant is 3021 Olympic Industrial Drive, Smyrna, Georgia. A complete legal description of the area is attached as **Exhibit A**.

Tax Parcel Number(s): **17096200140** of Cobb County, Georgia

Name and Location of Administrative Record:

The corrective action at the Property that is the subject of this Environmental Covenant is managed under the Voluntary Remediation Program and is called *Former Olympic Manufacturing/Diversey Site HSI Site No. 10435,* and it is described in the following documents:

- Brown and Caldwell. March 1, 2010. *Voluntary Remediation Program Application. 3051 Olympic Industrial Drive; Smyrna, Georgia.* Prepared for Sara Lee Corporation and Rathon Corp.
- Georgia Environmental Protection Division. May 17, 2010. Letter to Sara Lee Corporation and Rathon Corp. [acceptance into the Voluntary Remediation Program]
- Brown and Caldwell. December 27, 2012. *Voluntary Remediation Program* Semiannual Progress Report, *Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp. [includes Final Remediation Plan]
- Brown and Caldwell. June 27, 2013. *Voluntary Remediation Program* Semiannual Progress Report, *Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp. [includes groundwater modeling documentation]
- Georgia Environmental Protection Division. November 25, 2013. Letter to Sara Lee Corporation and Rathon Corp. [EPD comments on Voluntary Remediation Program reports].

- Brown and Caldwell. June 24, 2014. *Voluntary Remediation Program* Semiannual Progress Report, *Former Olympic Manufacturing/Diversey Site HSI Site No. 10435.* Prepared for The Hillshire Brands Company and Rathon Corp.
- Brown and Caldwell. December 23, 2014. *Voluntary Remediation Program Semiannual Progress Report, Former Olympic Manufacturing/Diversey Site HSI Site No. 10435. December 2014.* Prepared for The Hillshire Brands Company and Rathon Corp.

This record is available for review at the following location:

Georgia Environmental Protection Division
Response and Remediation Program
2 MLK Jr. Drive, SE, Suite 1054 East Tower
Atlanta, GA 30334
M-F 8:00 AM to 4:30 PM excluding state holidays

Declaration of Covenant:

This Declaration of Covenant is made pursuant to the Georgia Uniform Environmental Covenants Act, O.C.G.A. § 44-16-1 *et seq.* by Grantor, Grantee/Holder, EPD, and their respective successors and assigns.

Grantor makes the following declaration as to restrictions to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, pursuant to O.C.G.A. § 44-16-5(a); is perpetual, unless modified or terminated pursuant to the terms of this Covenant pursuant to O.C.G.A. § 44-16-9; and shall be binding on all parties and all persons claiming under them,

including all current and future owners of any portion of or interest in the Property. Should a transfer or sale of the Property occur before such time as this Environmental Covenant has been amended or revoked then said Environmental Covenant shall be binding on the transferee(s) or purchaser(s).

Grantor hereby binds Grantor, its successors and assigns to the following activity and use limitation for the Property identified herein and grants such other rights under this Environmental Covenant in favor of the Grantee/Holder and EPD.

Activity and/or Use Limitation

Groundwater Use Limitation. The use or extraction of groundwater beneath the Property for drinking water or other potable uses shall be prohibited. The use or extraction of groundwater for any other purpose besides site characterization is prohibited unless conducted under a plan approved in writing by EPD.

General Provisions

Notice of Limitation in Future Conveyances. Each instrument hereafter conveying an interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitation set forth in this Environmental Covenant and shall provide the recorded location of the Environmental Covenant.

Access. Grantor shall provide reasonable access to Grantee/Holder or its assigns to verify compliance for annual reporting to EPD.

Effective Date. The effective date of this Environmental Covenant shall be the date upon which the fully executed Environmental Covenant has been recorded in accordance with OCGA § 44-16-8(a).

Benefit. This Environmental Covenant shall inure to the benefit of Grantee/Holder, EPD, and their respective successors and assigns and shall be enforceable by the Director or his agents or assigns, Grantee/Holder or its successors and assigns, and other party(ies) as provided for in O.C.G.A. § 44-16-11 in a court of competent jurisdiction.

Termination or Modification. This Environmental Covenant shall remain in full force and effect in accordance with O.C.G.A. § 44-16-5, unless and until the Director determines that the Property is in compliance with the Type 1 or 2 Risk Reduction Standards, as defined in Section 391-3-19-.07 of the Georgia Rules of Hazardous Site Response, whereupon the Environmental Covenant may be amended or terminated, as appropriate, in accordance with O.C.G.A. § 44-16-1 *et seq*.

Severability. If any provision of this Environmental Covenant is found to be unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired.

Warranty. Grantor hereby represents and warrants to the other signatories hereto that the Grantor has the power and authority to enter into this Environmental Covenant, to grant the rights and interests herein provided, and to carry out all obligations hereunder and in accordance with O.C.G.A. § 44-16-1 *et seq*.

Grantor has caused this Environmental Covenant to be executed pursuant to The Georgia Uniform Environmental Covenants Act, on the 12th day of February, 2015.

Signed, sealed, and delivered in the presence of:

Donna Denton
Unofficial Witness (*Signature*)

Donna Denton
Unofficial Witness Name (*Print*)

525 Wimbledon Rd, NE
Atlanta GA 30324
Unofficial Witness Address (*Print*)

Bethye D. Bertrand
Notary Public (*Signature*)

My Commission Expires: May 12, 2015

For Grantor:

Crimson Three Partners, LLC
Name of Grantor (*Print*)

Authorized Representative (*Signature*) (Seal)

Michael Spears
Authorized Representative Name (*Print*)

Manager
Title of Authorized Representative (*Print*)

Dated: March 26, 2015
(NOTARY SEAL)

N.P.
SEAL

Signed, sealed, and delivered in the presence of:

W. Kirby McCalister
Unofficial Witness (*Signature*)

W. Kirby McCalister
Unofficial Witness Name (*Print*)

2200 Don Tyson Parkway
Springdale, AR 72762
Unofficial Witness Address (*Print*)

Notary Public (*Signature*)

My Commission Expires: 7-2-2023

For Grantee/Holder:

The Hillshire Brands Company
Name of Grantee/Holder (*Print*)

Authorized Representative (*Signature*) (Seal)

Kevin J. Igli
Authorized Representative Name (*Print*)

SVP & Chief EMS Officer
Title of Authorized Representative (*Print*)

Dated: 2-5-2015
(NOTARY SEAL)

CHERYL THOMAS
NOTARY PUBLIC
MY COMMISSION # 12393887
EXPIRES: July 2, 2023
Washington County

[Additional Signatures are on the following page hereof]

Signed, sealed, and delivered in the presence of:

Unofficial Witness (*Signature*)

BENJAMIN MOLINE
Unofficial Witness Name (*Print*)

311 10th STREET
GOLDEN CO 80401
Unofficial Witness Address (*Print*)

Notary Public (*Signature*)

My Commission Expires: 09-05-2016

For Grantee/Holder:

Rathon Corp.

Name of Grantee/Holder (*Print*)

Authorized Representative (*Signature*) (Seal)

MICHAEL GLADE
Authorized Representative Name (*Print*)

VP
Title of Authorized Representative (*Print*)

Dated: 02-12-15
(NOTARY SEAL)

Signed, sealed, and delivered in the presence of:

Unofficial Witness (*Signature*)

Doralyn S. Kirkland
Unofficial Witness Name (*Print*)

2 MLK Jr Dr; Suite 1456
Atlanta GA 30334
Unofficial Witness Address (*Print*)

Notary Public (*Signature*)

My Commission Expires: 1/22/16

For the State of Georgia
Environmental Protection Division:

N.P. SEAL (Seal)

(*Signature*)

Judson H. Turner
Director

Dated: 7/13/15
(NOTARY SEAL)

CRISTAL SAILORS NOTARY PUBLIC SPALDING COUNTY, GA

BK: 15275 PG: 1662
REBECCA KEATON
CLERK OF SUPERIOR COURT Cobb Cty. GA.

Exhibit A
Legal Description

Description of Property
(#3021 Olympic Industrial Boulevard)

All that tract or parcel of land lying or being in Land Lots 899 and 962 of the 17th District, 2nd Section of Cobb County, Georgia and being Lot 8 Block "I", Metropoltian Atlanta Industrial Park, Section One as recorded in Plat Book 43, Page 92 of Cobb County, Georgia records and being more particularly described as follows:

Beginning at a 1/2" re-bar found at the intersection formed by the southeasterly right-of-way line of Olympic Industrial Drive (50' r\w, fka: Industrial Boulevard) and the southwesterly right-of-way line of Industrial Court (50' r\w); from the **Point of Beginning** thus established, proceed thence in a southeasterly direction along said right-of-way line of Industrial Court (50' r\w) the following courses and distances: 1) South 47°17'00"East for a distance of 175.16 feet to a point; 2) thence 79.77 feet along the arc of a curve to the right, said curve having a radius of 203.81 feet and being subtended by a chord of South 36°04'15"East, 79.26 feet to a 1/2" re-bar found; thence departing said right-of-way line and run South 43°36'31"West for a distance of 399.36 feet to a 1/2" open top pipe found on the northerly right-of-way line of now or formerly Seaboard Airline Railroad (variable r\w); thence northwesterly along said right-of-way line of Seaboard Airline Railroad, North 78°29'14"West for a distance of 69.97 feet to an iron pin placed; thence departing said right-of-way line and run North 05°47'35"West for a distance of 378.58 feet to a 1/2" re-bar found on the southerly right-of-way line of Olympic Industrial Drive (50' r\w, fka: Industrial Boulevard); thence northeasterly along said right-of-way line of Olympic Industrial Drive the following courses and distances: 1) North 89°51'06"East for a distance of 32.70 feet to a point; 2) thence 198.41 feet along the arc of a curve to the left, said curve having a radius of 228.36 feet and being subtended by a chord of North 64°57'41"East, 192.23 feet to a 1/2"re-bar found on the southwesterly right-of-way line of Industrial Court and the **Point of Beginning**. Said tract contains 2.42023 acres or 105,425 square feet.