



**CONESTOGA-ROVERS
& ASSOCIATES**

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November 1, 2010

Reference No. 018876

David Brownlee
Unit Coordinator
Response and Remediation Program
Environmental Protection Division
2 Martin Luther King Jr. Drive, S.E., Ste 1066 East
Atlanta, Georgia 30334

Hand Delivery

Dear Mr. Brownlee:

Re: Voluntary Remediation Plan
1610 Southland Circle
HSI Site No. 10077
Atlanta, Georgia

On behalf of CBS Corporation (CBS), we are providing one paper copy and two compact disk (CD) copies of the attached Voluntary Remediation Plan (VRP), the completed application form and checklist and a check for \$5,000 dated October 29, 2010. Copy of the warranty deed and the Tax Plat pursuant to Section 12-8-106 (1) of the Rules of the Georgia Voluntary Remediation Program Act are included as Appendix A and B respectively. Please contact the undersigned or Mr. Leo Brausch with any comments or questions on the attached

We appreciate the input, which will be provided by your unit during the implementation of this VRP.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Terefe Mazengia, PG

TM/kt/
Encl.
Voluntary Remediation Plan

c.c.: Leo Brausch

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REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN

Voluntary Remediation Plan Application Form and Checklist**VRP APPLICANT INFORMATION**

COMPANY NAME	CBS Corporation				
CONTACT PERSON/TITLE	Richard K. Smith, Vice President, Environmental Remediation				
ADDRESS	PNC Center, 20 Stanwix Street, 10 th Floor, Pittsburgh, PA 15222				
PHONE	(412) 642-3285	FAX	(412) 642-3008	E-MAIL	Richard.smith@cbs.com

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP

NAME	Terefe B. Mazengia		PG NUMBER	1981	
COMPANY	Conestoga-Rovers & Associates				
ADDRESS	3075 Breckinridge Blvd. Suite 470, Duluth, GA 30043				
PHONE	770-441-0027	FAX	770-441-2050	E-MAIL	tmaengia@craworld.com

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

- (1) The property must have a release of regulated substances into the environment;
- (2) The property shall not be:
 - (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
 - (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
 - (C) A facility required to have a permit under Code Section 12-8-66.
- (3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
- (4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:

- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective actions or lease.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

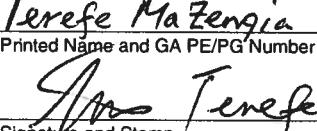
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE			
APPLICANT'S NAME/TITLE (PRINT)	Richard K. Smith Vice President, Environmental Remediation	DATE	October 29, 2010

APPLICANT'S NAME/TITLE (PRINT)	Richard K. Smith	DATE	October 29, 2010
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QUALIFYING PROPERTY INFORMATION			
TAX PARCEL ID	17-0192-LL-051-6	PROPERTY SIZE (ACRES)	1.53± acres
PROPERTY ADDRESS	1610 Southland Circle, NW		
CITY	Atlanta	COUNTY: Fulton	
LATITUDE	33° 48' 06" N	LONGITUDE:	84° 26' 01" W
PROPERTY OWNER(S)	Sixteen Ten Southland Circle	PHONE #:	
MAILING ADDRESS	1610 Southland Circle, NW		
CITY	Atlanta	STATE/ZIP: Georgia 30318	
ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	\$5,000 APPLICATION FEE IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES.	Enclosed	
2.	WARRANTY DEED(S) FOR QUALIFYING PROPERTY.	Appendix A VRP Application	
3.	TAX PLAT OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).	Appendix B VRP Application	
4.	ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	Enclosed	
5.	<p>The VRP participant's initial plan and application must include , using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a PROJECTED MILESTONE SCHEDULE for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan during the preceding period. A Gantt chart format is preferred for the milestone schedule.</p> <p>The following four (4) generic milestones are required in all initial plans with</p>	Section 3, 4 and 5 of VRP Application	

	on property where access is available at the time of enrollment;		
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;		
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and		
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.		
6.	<p>SIGNED AND SEALED PE/PG CERTIFICATION AND SUPPORTING DOCUMENTATION:</p> <p>"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, <i>et seq.</i>). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.</p> <p>Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.</p> <p>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."</p> <p><u>Terefe Berhanu Mazzengia PG 1981</u> <u>10/29/10</u> Printed Name and GA PE/PG Number Date <u></u> Signature and Stamp</p>		



VRP APPLICATION

CONCEPTUAL SITE MODEL AND PRELIMINARY REMEDIATION PLAN

**1610 SOUTHLAND CIRCLE (F/K/A INDCON SITE)
ATLANTA, GEORGIA
HAZARDOUS SITE INVENTORY NO. 10077**

Prepared For:
CBS Corporation
Pittsburgh, Pennsylvania

DISCLAIMER:
SOME FORMATTING CHANGES MAY HAVE OCCURRED WHEN
THE ORIGINAL DOCUMENT WAS PRINTED TO PDF; HOWEVER,
THE ORIGINAL CONTENT REMAINS UNCHANGED.

**OCTOBER 2010
REF. NO. 018876 (12)**

Prepared by:
**Conestoga-Rovers
& Associates**

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1.0 INTRODUCTION

1.1 GENERAL

This Conceptual Site Model (CSM) and Preliminary Remediation Plan have been developed on behalf of CBS Corporation (CBS) for the property at 1610 Southland Circle, NW (f/k/a Indcon Site), Atlanta, Georgia (the "Site"). The CSM and Preliminary Remediation Plan represent parts of the Voluntary Remediation Program (VRP) application for the Site being submitted by CBS to the Georgia Environmental Protection Division (EPD).

The CSM and Preliminary Remediation Plan are provided in response to Item 5 of the VRP Application Form and Checklist. This document specifically includes the following:

- **Section 2 Site Background:** the background and history of the Site including a summary of investigation and remediation activities performed to date
- **Section 3 Conceptual Site Model:** a description of the CSM based on currently available data
- **Section 4 Site Remediation Plan:** the Preliminary Remediation Plan for the Site
- **Section 5 Milestone Schedule.**

Item 2 (Warranty Deed) and Item 3 (Tax Plat) of the VRP Checklist are provided in [Appendices A](#) and [B](#), respectively.

1.2 VRP APPLICANT

CBS is the corporate successor to Westinghouse Electric Corporation (Westinghouse), which occupied the Site from about 1965 to 1972. EPD identified Westinghouse as one of several Responsible Parties or Potentially Responsible Parties for the Site under the Georgia Hazardous Sites Response Act (HSRA) program. CBS has not owned or controlled the property or the occupancy of the building since the early 1970's, and several industrial and commercial activities have been conducted at the property over the past 38 years. The property is presently a showroom and warehouse for household appliance retailing. CBS' investigation and remediation activities are being coordinated with the current property owner.

The current property owner is: Sixteen Ten Southland Circle

The Parcel Id Number is: 17-0192-LL-015-6

The owner has granted access to the Site to CBS to conduct the work as described herein and has consented to execute an Environmental Covenant for the Site (refer to Section 4.6).

2.0 SITE BACKGROUND

The Property contains a one-story brick building that is 200 feet long by 100 feet wide. This building was constructed for Westinghouse between 1964 and 1965 and has apparently not been significantly altered since that time. Westinghouse occupied the building until 1972.

The Westinghouse facility was designed and initially used for repairing and refurbishing electrical apparatus, including fluid-filled transformers. It is believed that the facility handled relatively small pole-mounted transformers rather than large industrial-sized units.¹ Transformer servicing often involved removal of the dielectric fluid prior to disassembly and repair or replacement of components. Dielectric fluid would be evaluated to determine whether it should be handled as waste or whether its quality was sufficient for reuse. When servicing was complete, the transformer would be refilled. Dielectric fluids in some transformers handled at the facility likely contained polychlorinated biphenyls (PCBs) and chlorobenzenes. Because of Federal regulations and voluntary actions by industry, the use of PCB-containing fluids for refilling electrical transformers ceased in the 1970s.

The outdoor concrete pad that extends 50 feet beyond, and along the entire 100-foot length of, the western end of the building (hereinafter, the "50-ft slab"), was presumably used for temporary storage of electrical apparatus received at the facility or awaiting delivery after servicing. Based on the review of historic aerial photographs, a drainage trench (hereinafter, the "48-inch trench) extended along the western edge of the 50-ft slab. Sometime after 1972, most of the western portion of the Site (i.e., west of the 50-ft slab) was paved with asphalt.

The western edge of the 50-ft slab approximates the western edge of the pit from which two underground storage tanks (USTs) were removed during 1993-94. The larger (6,000 gallon) UST was likely a fuel oil tank for heating the building. The other UST (1,250 gallon) was installed some time after the original facility construction, possibly for fueling vehicles. The two USTs were removed in July 1994.

In the sampling conducted as part of the tank removal project, PCBs were detected in a sample of light non-aqueous phase liquid (LNAPL) collected from the larger UST. The PCBs were reported as greater than 50 milligrams per kilogram (mg/kg), and the Site

¹ This inference is based on the lack of rail transport or a truck loading dock at the facility, which would be needed to handle transformers larger than those handled by an industrial forklift truck.

was referred to EPD. The Site was subsequently listed on EPD's Hazardous Site Inventory as Site No. 10077.

Various investigations and extensive Interim Remedial Measures (IRMs) have been conducted at the Site by CBS since 2001 including:

- Investigation and submittal of a Compliance Status Report (CSR) to EPD in February 2001;
- Development and submittal of a Corrective Action Plan (CAP) to EPD in November 2001;
- Completion of various IRMs in 2003 consisting of:
 - removal of PCB-impacted soils and sediment from the stormwater drainage channel to an approximate depth of 3 feet;
 - restoration and capping of the stormwater drainage channel;
 - installation of a sediment trap at the on-Site down stream end of the stormwater drainage channel;
 - removal of an oil/water separator that discharged into the stormwater drainage channel;
 - clean-out of various pits and sumps;
 - evaluation of potential releases from the interior building sewer;
 - excavation of "hot-spot" soils suspected to be the source of an oil seep observed in the retaining wall of the stormwater drainage channel;
 - installation of a recovery well in the above "hot-spot" and a groundwater pump and treat system for hydraulic control of potentially impacted groundwater;
- Development and submittal of an updated CAP in December 2005;
- Removal of an interior trench/sump and exterior door pit and impacted adjacent soils in 2007;
- Performance of a treatability study for in-situ chemical oxidation;
- Expansion of the groundwater pump and treat system to include a second extraction well (MW-3); and
- Implementation of semi-annual groundwater, surface water and sediment monitoring beginning in February 2007.

IRMs performed in 2003 are described in the 2005 CAP. The removal of the interior trench/sump and door pit are described in the December 26, 2007 Progress Report. The results of the treatability study for in-situ oxidation are presented in the January 12, 2009 Progress Report. The expansion of the groundwater pump and treat system to incorporate monitoring well MW-3 is described in the December 26, 2007 Progress Report. Copies of the 2005 CAP and Progress Reports submitted to date are included on compact disk (CD) in [Appendix C](#).

3.0 CONCEPTUAL SITE MODEL

Concentrations of Site-related constituents of concern (COCs) remaining in on-Site soils and groundwater following the IRMs have been compared to applicable Risk Reduction Standards (RRS) for purposes of delineation and to identify target remediation areas. [Table 3.1](#) summarizes the RRS applicable to the Site. The derivation of the RRS is summarized on the tables provided in [Appendix D](#).

3.1 EXISTING SITE CONDITIONS

Data presented in the Site CSR, CAP, and Progress Reports referenced in Section 2.0 and previously submitted to EPD have been used to develop the CSM described herein. Pre-remediation data were considered to identify various sources and release points. Current Site conditions and comparisons to applicable RRS are based on post-remediation data to reflect the current compliance of the various Site areas and impacted media with the RRS.

Copies of the 2005 CAP and Progress Reports are included on CD in [Appendix C](#). The current soil and groundwater conditions are summarized in Sections 3.2 and 3.3, respectively. Locations of currently applicable soil and groundwater samples are shown in the cross-sections provided. [Figures 3.1](#) shows the locations and alignments of the cross-sections. [Figures 3.2A, 3.2B](#) and [3.5](#) present the west to east (A-A', A-A' Supplemental and D-D' respectively) soil and groundwater quality. [Figures 3.3](#) (B'-B) and [3.4](#) (C'-C) provide the cross-sections from north to south at the western and eastern portion of the site respectively.

Based on the pre-remediation data presented in the above-referenced reports, the primary release point for PCBs and related chlorobenzenes is believed to be the former 50-ft slab and former adjacent 48-inch trench outside the west wall of the building. Secondary release points include the indoor trench/sump, and the door pit. Upgradient off-Site sources are suspected of being the primary contributors to chlorinated volatile organic compounds (VOCs).

Impacted sediments and soils removed from the stormwater drainage channel appear to primarily have been impacted by releases from the area of the 48-inch trench and 50-ft slab with some potential contribution from upgradient off-Site sources. The impacted soil and sediment beneath the stormwater drainage channel were removed down to a depth of 3 feet during the prior IRMs and no longer represent a residual source.

Impacted soils in the vicinity of the indoor trench/sump and door pit were also removed.

The only area where residual contamination may represent current potential source material is in the immediate vicinity of the former 48-inch drain. Potential source material beneath the water table in this area is currently controlled and managed through the operation of the groundwater pump and treat system and is isolated from the surface by the existing concrete and asphalt covers.

3.2 SITE SOILS

Investigations conducted at the Site to date have shown that HSRA Type 4 RRS for soil are generally met at the Site except for PCBs. PCB concentrations that exceed HSRA Type 4 RRS occur at various locations beneath and adjacent to the stormwater drainage channel; locations beneath the building footing (Stations 1+50, 1+75, 2+00, 2+25, 2+50, 3+00, and 3+75); isolated locations beneath the west end of the Site; one location in the vicinity of the former indoor trench (BH-8); and near the east side of the building. These areas are further described below.

3.2.1 STORMWATER DRAINAGE CHANNEL

Soils and sediment containing PCBs were removed to a depth of 3 feet during the IRM excavation performed in the channel. PCB concentrations above the Type 4 RRS for PCBs were reported in some soils situated beneath the 3-foot limit of excavation. In addition, post-excavation confirmation samples were in excess of 500 mg/kg PCBs at three locations, which lie beneath the building footing on the south face of the channel excavation at (Stations 1+75, 2+50, and 3+75; refer to [Figure 3.6](#) for soil sample locations and maximum exceedances from Type 1 RRS and [Table 3.2](#) for analytical results). These locations are isolated beneath the building footing and secured laterally by the soil and rip-rap cover placed to restore the channel following excavation. The soils beneath the footings cannot be exposed and removed without jeopardizing the integrity of the building foundation.

3.2.2 WEST END OF SITE

The September 2003 Soil Removal Program which was completed at the west end of the Site and west/northwest of the former UST area removed PCB impacted soil from the

suspected primary source area. Confirmation soil samples were collected from the walls and at the base of excavation, which indicated PCB impacted soil remained in place. Confirmation soil samples from the western wall, B-49 (4 to 8 feet below ground surface [ft bgs]) and B-52 (2.8 ft bgs), reported PCB concentrations in excess of the Type 1 and Type 4 RRS. Post excavation confirmation samples from the south and southeastern wall, B-53 (3 to 4 ft bgs), B-54 (7 to 7.5 ft bgs) and B-56 (3 to 4 ft bgs) also reported PCB concentrations above the standard. Confirmation samples from the base of the excavation, RW-1 (11.8 to 12.2 ft bgs), reported PCB concentrations above the Type 4 RRS (refer to [Figure 3.6](#) for soil sample locations and [Table 3.2](#) for analytical results).

3.2.3 ON-SITE BUILDING AND EAST END OF SITE

Previous soil samples collected in the area of interior trench drain and building the sump had indicated PCB concentrations. Soil excavation was completed at the interior trench and sump area during the removal of the sump. Upon completing the excavation of the area, confirmation grab samples were collected from the north, south, and east side walls. Analytical results of the confirmation soil sample collected from the northern (S5 2'), southern (S6 2') and eastern (S10) sidewalls (see [Figure 3.7](#)) exhibited PCB concentrations below the Type 1 and 4 RRS. One sample collected outside the excavation limits of the former trench and building sump, BH-8, collected at 2 ft bgs indicated PCB Aroclor 1260 at a concentration of 2.7 mg/kg-dry, which is above the Type 1 and Type 4 RRS. The PCB concentration observed at BH-8 appears to be an isolated detection at shallow depth. The soil sample directly below (collected at 5 feet bgs) had no detection of PCBs. The location of BH-8 is shown on [Figure 3.6](#), and excavation areas are illustrated on [Figure 3.7](#).

The excavation for the Door Pit area was completed to 11.5 feet deep, 9 feet by 8 feet wide. Grab samples collected from the northern (S3 2-3'), southern (S2 2-3'), eastern (S1 2-3') sidewalls at 2 to 3 ft-bgs showed analytical results below laboratory reporting limits for PCBs and VOCs, but the soil sample from the base of the excavation (S4 6.5') indicated concentration of PCB and VOCs above the Type 4 RRS. The excavation was then extended downward to 11.5 feet bgs until large cobbles and boulders were encountered and the excavation was terminated to avoid compromising the structural integrity of the building in the western sidewall. Grab samples from the base of the excavation (DP 1 7-8" at 11 feet) and the western (DP 3) sidewall at 7 to 8 ft-bgs samples indicated that PCB concentrations were above the Type 1 and 4 RRS. The extent of excavation and grab soil sample locations are shown on [Figure 3.7](#).

3.2.4 GROUNDWATER

Groundwater flow within the overburden zone is west to east. Based on single-well response (slug) tests conducted at several on-Site monitoring wells, the calculated hydraulic conductivity ranged from 4.6×10^{-5} to 2.0×10^{-3} centimeter per second (cm/s)(geometric mean value of 1.6×10^{-4} cm/s), which corresponds with range of values typical for silty sand and silt (Freeze and Cherry, 1979).

The shallow water table in the vicinity of the Site mimics the steep ground surface elevation increases to the north and west. The gradient in both directions therefore precludes plume migration to the north or west. The groundwater plume is generally defined on the south by monitoring wells MW-6 and MW-11. During the most recent semi-annual groundwater sampling event, tetrachloroethylene (PCE) in MW-6 marginally exceeded the Type 1 and 4 RRS; 1,1-dichloroethylene (1,1-DCE) exceeded the Type 1 but was less than the Type 4 RRS. The southern limit will be assessed by continued semi-annual monitoring of MW-6, which had not previously exhibited PCE concentrations above RRS. Evaluation of the analytical data obtained through the years indicates that groundwater conditions at the Site are generally stable.

The eastern limit of the plume is generally defined by monitoring wells MW-11 and MW-7. A marginal exceedence of the Type 1 RRS was reported in MW-7 for trichloroethylene (TCE) during the most recent sampling event. TCE had not been detected in MW-7 since 2004. These anomalies will be further assessed during the future semi-annual monitoring events.

PCE was sporadically detected in MW-1 above the groundwater Type 1 and Type 4 RRS since August 2003. TCE was detected below the Type 4 RRS, but above the Type 1 RRS. MW-1 is an upgradient well located at the western edge of the Site, which monitors groundwater entering the Site from the west. MW-5, which also monitors groundwater entering the Site from the southwest, showed relatively low levels of the degradation products 1,1-DCE and cis-1,2-dichloroethylene (cis-1,2-DCE).

PCE and TCE concentrations in samples collected from monitoring wells MW-2, MW-3, MW-12, and MW-12D were generally above the Type 1 risk RRS. TCE concentration in MW-12 and 12D is also above the Type 4 RRS. PCBs were also detected at MW-3, MW-12, MW-12D, and RW-1, above both Type 1 and 4 RRS. All four wells are located in close proximity to one another in the western side of the Site in the vicinity of the former 48-inch drain.

By comparison, monitoring wells MW-8, MW-10, MW-11, and MW-13 located in the eastern (downgradient) portion of the Site showed no detectable concentrations of PCBs, PCE, TCE, or their degradation products. 1,2,4-trichlorobenzene was detected in MW-8 below both the Type 1 and 4 RRS. Elevated concentrations of 1,2,4-trichlorobenzene were measured in MW-12 and MW-12D above the Type 1 and Type 4 RRS, and benzene was detected only in MW-13 (around the former Door Pit) above both Type 1 and 4 RRS. 1,4-dichlorobenzene was detected in MW-2 and MW-8 above both Type 1 and Type 4 RRS.

PCE was detected in the off-Site monitoring well, MW-9, during the recent groundwater-monitoring event (August 2010) for the first time since monitoring started December 2003. Groundwater monitoring at MW-9 will continue during the scheduled semi-annual events. Locations of impacted groundwater are illustrated on [Figure 3.8](#) and the analytical data presented on [Table 3.3](#).

3.3 CURRENT EXPOSURE PATHWAYS

The extent of known soil and groundwater exceedances of the Type 1/2 RRS and Type 4 RRS are illustrated on [Figures 3.6 and 3.8](#). All COC concentrations in soil and groundwater that exceed the RRS occur beneath an existing cap or cover. The on-Site building, exterior concrete slab at the west end of the building and adjacent asphalt parking and access road provide a secure cover over all on-Site exceedances outside the limits of the on-Site stormwater drainage channel. Exceedances adjacent to the limits of the stormwater drainage channel are situated beneath the building's footings and are protected from exposure by a layer of heavy rip-rap on filter fabric on 3 feet of imported backfill. Orange plastic construction fencing was placed beneath the fill, on top of the exposed native soil, to clearly demarcate the limits of the prior IRM excavation.

Subsurface soils that exceed the applicable RRS are not directly accessible to Site occupants, visitors or trespassers. Such soils would only be exposed in the event the existing covers are breached for Site development or utility maintenance. This exposure pathway is considered complete and will be managed by existing engineering controls, the Restrictive Covenants and a Soil Management Plan.

The potential exfiltration of impacted groundwater into the on-Site stormwater drainage channel in the area of the former 48-inch trench is currently being controlled by the existing groundwater pump and treat system. Although the on-Site portion of the stormwater drainage channel is not readily accessible to on-Site employees or visitors, exposure to the surface water downstream of the Site represents a potentially complete

exposure pathway. This pathway is mitigated by the on-going operation of the groundwater pump-and-treat system and the maintenance of the cap over the stormwater drainage channel.

The prior remediation of the on-Site stormwater drainage channel eliminated direct exposure to impacted sediments as an exposure pathway. Also as previously noted, on-Site portions of the channel are not readily accessible to the public or on-Site workers. A sediment trap previously installed in the channel has retained sediment from the Site and sources upstream of the Site. PCBs detected in the sediment in the trap may be from off-Site upstream sources, residue remaining following the channel remediation, or exfiltration of impacted groundwater or LNAPL through the retaining wall. The exfiltration of groundwater and LNAPL has been eliminated as a potential source by the on-going operation of the pump and treat system. Residue in the channel from the prior remedial activities should be minimal, if any, based on the length of time that has elapsed since the work was completed. The drainage channel receives runoff from a large off-Site catchment area that includes industrial properties, roadways and portions of a rail yard. Potential impacts to sediments and surface water from these sources remains a concern but cannot be prevented within the scope of this plan. On-going monitoring will be performed in an attempt to identify contributions from potential off-Site sources.

4.0 SITE REMEDIATION PLAN

The Site Remediation Plan applies to all areas of the Site where subsurface soils and/or groundwater exceed Type 1 RRS. The primary objective of the Remediation Plan is to ensure that all potential exposure pathways to residual contaminants in on-Site soils and groundwater remain incomplete. This objective will be met by a combination of activities including:

- i) installation of a security camera at the southwest corner of the Site to prevent unauthorized access to the Site from Southland Circle when the primary access gate is open during normal work hours;
- ii) continued operation of the existing groundwater pump and treat system to preclude the exfiltration of groundwater, with the potential to convey Site COCs, into the on-Site stormwater drainage channel;
- iii) improvements to and routine clean-out of the sediment trap in the eastern end of the stormwater drainage channel;
- iv) inspection and maintenance of existing covers at the Site to ensure underlying soils are not inadvertently exposed; existing covers include rip rap and soil in the base of the stormwater drainage channel, the on-Site building, stormwater concrete slabs, asphalt surfaces, etc.
- v) implementation of a Soil Management Plan to control any soils that exceed or may exceed Type 1 RRS if exposed for maintenance or development purposes;
- vi) execution of an Environmental Covenant, pursuant to the Georgia Uniform Environmental Covenants Act, to establish applicable activity and use limitations for the Site, document the presence of residual contamination and identify corrective actions to be performed or maintained at the Site.

The proposed scope of these activities is further described in the sub-sections that follow.

4.1 SECURITY FENCING

Access to the Site is severely restricted along the north and west perimeter by the steep slope and dense vegetation. No access paths or trespassers have been observed along either perimeter over the past 15+ years while investigation and remediation have been performed at the Site. The Site building and eastern retaining wall prevent direct access

to the stormwater drainage channel from the east and south. Access to the west end of the Site from Southland Circle has been made possible by the removal of the former fence and gate that was installed from the southwest corner of the building to the southwest corner of the property.

Currently, access to the west end of the property is protected by a chain link fence with a gate which is open during the day and secured and locked at night. A security system camera, which will be installed on the west wall of the building, will monitor any trespassing of the public to the west end of the property and proper "No Trespassing" signage will be posted at relevant locations. The approximate locations of the current fence and the proposed security system camera are shown on [Figure 4.1](#).

4.2 GROUNDWATER EXTRACTION SYSTEM

As previously noted, a groundwater pump and treat system was installed at the Site in the fall of 2003. The system was installed following the appearance of an oil seep in the retaining wall at the stormwater drainage channel near a former drainage trench. The system was installed to recover any oil or LNAPL that may be present on the groundwater in the vicinity of the channel and ensure it does not exfiltrate into the channel. The system has extracted in excess of 1,000,000 gallons of groundwater since being put into operation. A sheen has been observed on the untreated effluent on occasion, however, no measurable LNAPL has been observed on the recovered groundwater. No apparent seeps have been observed emanating from the retaining wall since the system was put into operation.

Monitoring well MW-3 was converted into a recovery well and tied into the system in November 2007 to expand the area of groundwater capture. Operation and maintenance of the system will continue until such time as the groundwater discharge from the site has shown not to have the potential to cause surface water in the channel to exceed the Georgia In-Stream Surface Water Quality Standards. This demonstration will involve the calculation of the flux of groundwater to the stormwater channel and the associated mass flux of Site-related COCs (without groundwater pumping) and the effects of this mass contribution to COC concentrations in surface water.

4.3 SEDIMENT TRAP

The existing sediment trap will be cleaned out to remove accumulated sediment and rip rap. Sediment accumulation will be visually monitored monthly and accumulated sediment will be sampled semi-annually. Accumulated sediment will be removed once sufficient sediment has accumulated in the trap. Sediment at the on-Site upstream end of the channel will also be sampled to assess sediment impacts attributable to sources located upstream of the Site.

4.4 SITE COVERS

All impacted subsurface soils identified at the Site are effectively capped as follows:

- i) soils beneath the on-Site building are capped beneath a minimum 6-inch reinforced concrete slab on grade and/or concrete footings;
- ii) soils beneath the west end of the Site are capped beneath a minimum 6-inch thick concrete slab-on-grade or a minimum 2-inch thick asphalt surface;
- iii) soils on the south side and east side of the Site are capped beneath a nominal 2-inch thick asphalt surface; and
- iv) impacted soils beneath the stormwater channel are covered by orange plastic fencing (to demarcate the original limit of excavation), three feet of clean, imported backfill, filter fabric and heavy rock rip rap.

None of the sub-surface soils are exposed or would be easily exposed without the aid of heavy equipment to intentionally breach the existing covers. The Site is currently being used as a showroom and warehouse for high-end kitchen appliances and fixtures. As such, all building floors and exterior surfaces are maintained to facilitate operation of the business.

Inspection of all capped areas will be performed quarterly in conjunction with pump and treat system maintenance activities. In addition, Site personnel have been advised to contact the Site Manager in the event any disturbance to the Site covers is planned or if disturbance is observed between formal inspections.

4.5 SOIL MANAGEMENT PLAN

This Soil Management Plan has been developed to ensure any soils that are left on Site that exceed the Type 1 RRS remain undisturbed or, if disturbed for Site development or maintenance purposes (e.g., utility repair), the soils are properly managed. In addition, this plan will extend to subsurface utilities, footings, etc. that may be in contact with such soils.

This Soil Management Plan will apply to:

- soils that are known to exceed the Type 1 RRS;
- soils beneath structures (buildings, concrete slabs, sidewalks, etc.) or asphalt parking areas that have not been fully characterized so compliance with Type 1 RRS is currently unknown; and,
- pipes, conduits, structures that are in contact with any soils listed above.

The extent and limits of each of these areas is illustrated on [Figures 3.6](#). This figure and the area subject to this plan will be updated as additional data are obtained for the Site.

4.5.1 MAINTENANCE OF CAPS AND COVERS

All caps and covers that overlie soils that exceed the Type 1 RRS will be inspected a minimum of once a month. Each inspection will be documented in the inspection logs to be maintained in the on-Site copy of the Soil Management Plan (an inspection log is included in [Appendix E](#)). Any damage or potential breaches in the Site caps and covers and other pertinent observations will be noted on the log and brought to the attention of the Site Manager. The Site Manager will ensure appropriate corrective measures are taken and documented prior to the next monthly inspection. The Soil Management Plan and associated inspection logs will be maintained in the pumphouse.

4.5.2 MANAGEMENT OF EXPOSED SOILS

As required by the environmental covenants (refer to Section 4.6), no ground intrusive activities that have the potential to expose soils with concentrations in excess of Type 1 RRS will be conducted on Site until a Soil Management Plan has been submitted to and approved by CBS and EPD. The plan will show the area and depth of anticipated disturbance and specify how exposed soils are to be managed. In addition, the plan will

identify specific health and safety protocols to be followed. The plan will be reviewed and signed by all personnel who have the potential to contact impacted soils.

In general, the Soil Management Plan will specify that any soils that exceed the Type 1 RRS or that have not been characterized and are exposed or brought to the surface during utility work or other excavations will be managed as follows:

- excavated soils that have not been characterized will be managed as soils that exceed the Type 1 RRS unless sampled and sample analyses indicate otherwise;
- excavated soils that have been characterized may be placed in a dumpster or dump truck for appropriate off-Site management; prior to off-Site management, soils will be adequately characterized to ensure they are properly managed. Soils determined to be PCB remediation waste (PCB>50 mg/kg) or hazardous waste will be managed at a facility licensed to receive such waste and transported by a licensed waste hauler; or
- excavated soils may be temporarily placed on plastic or poly sheeting adjacent to the excavation or in another designated on-Site location; soils may be returned to the excavation in the reverse order to the excavation sequence (e.g. last soil out to be first in);
- excavated soils that will not be returned to the excavation on the same day will be covered by plastic sheeting and secured to prevent erosion by wind or precipitation; and,
- once returned to the excavation, the soil cover or cap (concrete, asphalt, etc.) will be restored to pre-excavation conditions; all plastic sheeting or poly used to contain the soil will be properly disposed.

4.6 ENVIRONMENTAL COVENANT

The appropriate parties will execute an Environmental Covenant pursuant to the Georgia Uniform Environmental Covenants Act to set forth remedial obligations and restrict future use of the Site. The Environmental Covenant, once approved, will be executed between the property owner and Georgia EPD and will:

- document the known distribution of contaminants on the Site;
- describe corrective actions to be performed and that are in place at the Site;
- restrict future use of the Site and groundwater beneath the Site.

The Environmental Covenant will set forth the following:

- The Property shall remain in non-residential use as defined in Georgia EPD Rule 391-3-19-02(2) and the Property, in whole or in part, shall not be used for residential or agricultural purposes;
- There shall be no development or use of the Property or any other activity conducted thereon that causes disturbance of the soil including, but not limited to, the placement or construction of any building foundation, underground utility, or any other underground structure unless all soil excavation, handling, and disposition are conducted in accordance with the procedures specified in a soil management plan (with recognition of worker protection requirements) that is approved in writing by CBS and EPD and designed to characterize and properly dispose of all excavated materials; and,
- Except as associated with the environmental remediation project, there shall be no use of groundwater at the Property until and unless EPD determines that the groundwater at the Property meets all applicable standards of quality.

The restrictive covenant will be specified for the benefit of, and be enforceable by, CBS and EPD. The restrictive covenant will run with the land, and no modification or termination of any covenants will be allowed unless by an instrument signed and duly acknowledged by CBS and EPD, and recorded with the property deed.

5.0 MILESTONE SCHEDULE

A milestone schedule is provided as [Figure 5.1](#). Semi-annual monitoring performed pursuant to the 2005 CAP will continue as part of the VRP remediation plan. The next semi-annual monitoring event is scheduled for March 2011. The first semi-annual VRP progress report shall be submitted in May 2011 and shall supercede the previously submitted quarterly progress reports once the Site is enrolled in the VRP.

TABLE 3.1
GENERIC HSRA RISK REDUCTION STANDARDS (RRS)
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

<i>Regulated Substances</i>	<i>Type 1/3 RRS for Groundwater</i> (mg/L)	<i>Type 4 RRS for Groundwater</i> (mg/L)	<i>Type 3 RRS for Soil</i> (mg/kg)	<i>Type 4 RRS for Soil</i> (mg/kg)	<i>RRS for Surface Water (1)</i> (mg/L)
<u>VOCS</u>					
1,1,1-Trichloroethane	2.00E-01	1.36E+01	2.00E+01	2.00E+01	NV
1,1,2-Trichloroethane	5.00E-03	4.64E-02	5.00E-01	5.00E-01	4.20E-02
1,1-Dichloroethane	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
1,1-Dichloroethene	7.00E-03	5.24E-01	7.00E-01	7.00E-01	3.20E-03
1,2-Dichloroethane	5.00E-03	5.00E-03	5.00E-01	5.00E-01	9.90E-02
Acetone	4.00E+00	4.56E+01	4.00E+02	4.00E+02	NV
Benzene	5.00E-03	8.72E-03	5.00E-01	5.00E-01	7.10E-02
Bromomethane (methyl bromide)	1.00E-02	1.32E-02	1.00E+00	1.00E+00	4.00E+00
Carbon disulfide	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
Chlorobenzene	1.00E-01	1.36E-01	1.00E+01	1.00E+01	2.10E+01
Chloroethane	1.00E-02	2.92E+01	1.00E+00	8.31E+00	NV
Chloroform	1.00E-01	1.00E-01	1.00E+01	1.00E+01	0.47
Chloromethane (methyl chloride)	3.00E-03	2.63E-01	3.00E-01	3.00E-01	NV
cis-1,2-Dichloroethene	7.00E-02	1.02E+00	7.00E+00	7.00E+00	NV
Cyclohexane	5.00E-03	1.75E+01	2.00E+01	2.00E+01	NV
Dibromochloromethane	1.00E-01	1.00E-01	1.00E+01	1.00E+01	3.40E-02
Ethylbenzene	7.00E-01	7.00E-01	7.00E+01	7.00E+01	2.90E+01
Isopropylbenzene (cumene)	5.00E-03	1.05E+00	2.19E+01	2.19E+01	NV
m-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Methylene chloride	5.00E-03	1.19E-01	5.00E-01	5.00E-01	1.60E+00
o-Xylene	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
p-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Tetrachloroethene	5.00E-03	5.00E-03	5.00E-01	5.00E-01	8.85E-03
Toluene	1.00E+00	5.24E+00	1.00E+02	1.00E+02	2.00E+02
trans-1,2-Dichloroethene	1.00E-01	1.61E-01	1.00E+01	1.00E+01	1.40E+02
Trichloroethene	5.00E-03	3.77E-02	5.00E-01	5.00E-01	8.10E-02
Trichlorofluoromethane	2.00E+00	2.00E+00	2.00E+02	2.00E+02	NV
Vinyl chloride	2.00E-03	3.27E-03	2.00E-01	2.00E-01	5.25E+02
Xylenes (Total)	1.00E+01	1.00E+01	1.00E+03	1.00E+03	NV
<u>SVOCs</u>					
1,2,3-Trichlorobenzene	5.00E-03	8.18E-02	1.08E+01	1.08E+01	NV
1,2,4-Trichlorobenzene	7.00E-02	7.00E-02	1.08E+01	1.08E+01	9.40E-01
1,2-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	1.70E+01
1,3-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	2.60E+00
1,4-Dichlorobenzene	7.50E-02	7.50E-02	7.50E+00	7.50E+00	2.60E+00
Fluorene	1.00E+00	4.09E+00	3.60E+02	3.60E+02	1.40E+01
Naphthalene	2.00E-02	2.00E-02	1.00E+02	1.00E+02	NV
Phenanthrene	1.00E-02	1.00E-02	1.10E+02	1.10E+02	NV
<u>PCBs</u>					
Aroclor-1016	5.00E-04	3.72E-03	1.55E+00	1.55E+00	1.70E-07
Aroclor-1221	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1232	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1242	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1248	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1254	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1260	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07

Notes:

NV - No value established.

(1) GEPD Rule 391-3-6-.03(5), In-Stream Water Quality Criteria (February 2009).

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

<i>Sample Location:</i>	01+50-CL	01+50-S	01+75-N
<i>Sample ID:</i>	S-021103-SLW-213	S-021103-SLW-215	S-021203-SLW-217
<i>Sample Date:</i>	2/11/2003	2/11/2003	2/12/2003
<i>Sample Depth:</i>	-	-	-

<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>			
PCBs						
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	1.55	29	54	19
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	1.55	62	21	19

Petroleum Products

Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV	93 J	-	-
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV	-	-	-

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

<i>Sample Location:</i>	01+75-S	02+00-CL	02+00-N
<i>Sample ID:</i>	S-021203-SLW-218	S-021303-SLW-219	S-021303-SLW-220
<i>Sample Date:</i>	2/12/2003	2/13/2003	2/13/2003
<i>Sample Depth:</i>	-	-	-

<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>			
PCBs						
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	1.55	510	28	380
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	1.55	640	2	45

Petroleum Products

Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV	-	470	-
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV	-	-	-

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

<i>Sample Location:</i>	02+25-CL	02+25-N	02+50-CL
<i>Sample ID:</i>	S-021403-SLW-222	S-021403-SLW-223	S-021403-SLW-225
<i>Sample Date:</i>	2/14/2003	2/14/2003	2/15/2003
<i>Sample Depth:</i>	-	-	-

<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>	02+25-CL	02+25-N	02+50-CL
PCBs						
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	0.033 UJ	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	1.55	17	37	45
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	1.55	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	1.55	3.8	14	1.2

Petroleum Products

Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV	530 J	-	280 J
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV	-	-	-

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

<i>Sample Location:</i>	02+50-S	03+00-CL	03+75-S
<i>Sample ID:</i>	S-021403-SLW-227	S-021803-SLW-231	S-021903-SLW-242
<i>Sample Date:</i>	2/15/2003	2/18/2003	2/19/2003
<i>Sample Depth:</i>	-	-	-

<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>	<i>02+50-S</i>	<i>03+00-CL</i>	<i>03+75-S</i>
PCBs						
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	0.033 U	0.033 U	67 U
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	0.033 U	0.033 U	67 U
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	0.033 U	0.033 U	67 U
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	1.55	1000 J	330 J	8300 J
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	1.55	0.033 U	0.033 U	67 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	1.55	0.033 U	0.033 U	67 U
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	1.55	2.3	10	570

Petroleum Products

Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV	-	580	-
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV	-	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV	-	-	-

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

<i>Sample Location:</i>		<i>B-45</i>	<i>B-49</i>	<i>B-52</i>
<i>Sample ID:</i>		S-060603-DB-30	S-060603-DB-25	S-091803-SLW-04
<i>Sample Date:</i>		6/6/2003	6/6/2003	9/18/2003
<i>Sample Depth:</i>		3-4 ft (bgs)	4-8 ft (bgs)	2.8- ft (bgs)
<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>	
<i>PCBs</i>				
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	0.033 U 0.33 U 6.7 U
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	0.033 U 0.33 U 6.7 U
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	0.033 U 0.33 U 6.7 U
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	1.55	0.033 U 990 J 7100
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	4.3	0.33 U 6.7 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	1.55	0.033 U 0.33 U 6.7 U
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	1.55	1.5 180 J 82
<i>Petroleum Products</i>				
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV	-	-
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV	-	-

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

<i>Sample Location:</i>		<i>B-53</i>	<i>B-54</i>	<i>B-55</i>
<i>Sample ID:</i>	S-092003-MR-04	S-092003-MR-05	S-092003-MR-06	
<i>Sample Date:</i>	9/20/2003	9/20/2003	9/20/2003	
<i>Sample Depth:</i>	3-4 ft (bgs)	7-7.5 ft (bgs)	3-4 ft (bgs)	
<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>	
<i>PCBs</i>				
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	0.033 U
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	0.033 U
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	0.033 U
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	730	130
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	13	8.8
				140
<i>Petroleum Products</i>				
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV	1200	300
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV	-	-
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV	-	-

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

<i>Sample Location:</i>		<i>B-56</i>	<i>RW-1</i>	<i>BH-8</i>	<i>DP3</i>
<i>Sample ID:</i>	S-092003-MR-07	S-092003-MR-03	S-012407-CRM-111	DP 3	
<i>Sample Date:</i>	9/20/2003	9/20/2003	1/24/2007	11/12/07	
<i>Sample Depth:</i>	3-4 ft (bgs)	11.8-12.2 ft (bgs)	2 ft	7 - 8 ft	
<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>		
<i>PCBs</i>					
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	520	380	180
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	1.55	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	1.55	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	83	34	2.7
<i>Petroleum Products</i>					
Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV	1200	590	12 J
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV	-	-	
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV	-	-	

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.2
PCB DETECTIONS IN SOIL SAMPLES
1610 SOUTHLAND CIRCLE PROPERTY
ATLANTA, GEORGIA

Sample Location:

Sample ID:

Sample Date:

Sample Depth:

DP1

DP1 7-8"

11/12/07

11 ft

<i>Parameter</i>	<i>Units</i>	<i>Type 1 RRS for Soil</i>	<i>Type 4 RRS for Soil</i>	
PCBs				
Aroclor-1016 (PCB-1016)	mg/Kg	1.55	1.55	-
Aroclor-1221 (PCB-1221)	mg/Kg	1.55	1.55	-
Aroclor-1232 (PCB-1232)	mg/Kg	1.55	1.55	-
Aroclor-1242 (PCB-1242)	mg/Kg	1.55	1.55	14
Aroclor-1248 (PCB-1248)	mg/Kg	1.55	1.55	0.72 U
Aroclor-1254 (PCB-1254)	mg/Kg	1.55	1.55	8.1
Aroclor-1260 (PCB-1260)	mg/Kg	1.55	1.55	12

Petroleum Products

Total Petroleum Hydrocarbons - extractable (DRO)	mg/kg	NV
Total Petroleum Hydrocarbons - purgeable (GRO)	mg/Kg	NV
Total Recoverable Petroleum Hydrocarbons	mg/Kg	NV

Notes:

J - Estimated values, below the reporting limit

U - Not detected at detection limit concentration indicated.

UJ - The analyte was not detected above the sample quantitation limit. The reported quantitation is an estimated quantity.

NV - No Value established

Concentrations in bold font within bordered cells exceed Type 1 and 4 default RRS

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-1									
			11/11/94	03/17/99	11/13/00	11/13/00 (Dup)	08/26/03	12/11/03	07/07/04	06/08/05	02/08/07	02/08/07 (Dup)
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	--	--	--	0.5 U	0.5 U
Aroclor-1221	0.5	0.5	2.0 U	1.0 U	1.0 U	1.0 U	0.5 U	--	--	--	0.5 U	0.5 U
Aroclor-1232	0.5	0.5	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	--	--	--	0.5 U	0.5 U
Aroclor-1242	0.5	0.5	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	--	--	--	0.5 U	0.5 U
Aroclor-1248	0.5	0.5	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	--	--	--	0.5 U	0.5 U
Aroclor-1254	0.5	0.5	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	--	--	--	0.5 U	0.5 U
Aroclor-1260	0.5	0.5	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	--	--	--	0.5 U	0.5 U
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	--	2.0 U	5.0 U	4.2 J	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	--	7.0	27 J	27 J	9.5	63	9.3	1.0 U	5.0 U	5.0 U
1,1-Dichloroethylene	524	7	--	5.0	17	17	3.0 J	18	1.8	1.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	--	10	5.0 U	5.0 U	5.0 U	2.0 U	3.0 UJ	--	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	--	10 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	--	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	--	10 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	--	5.0 U	5.0 U
1,2-Dichloroethane	5	5	--	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	--	10 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	--	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	--	10 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	--	5.0 U	5.0 U
Acetone	45,600	4,000	--	100 U	20 U	20 U	10 U	10 U	15 U	2.5 U	5.0 U	5.0 U
Benzene	8.7	5.0	--	2.0 U	1.9 J	1.8 J	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
Chlorobenzene	136	100	--	10 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
Chloroethane	29,200	10	--	5.0 U	10 U	10 U	10 U	1.0 J	3.0 U	1.0 U	10 U	10 U
Chloroform	100	100	--	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	--	4.0	22	22	16	44	24	0.5 U	5.0 U	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-1									
			11/11/94	03/17/99	11/13/00	11/13/00 (Dup)	08/26/03	12/11/03	07/07/04	06/08/05	02/08/07	02/08/07 (Dup)
Cyclohexane	17,500	5	--	--	--	--	5.0 U	2.0 U	3.0 U	--	5.0 U	5.0 U
Dibromochloromethane	100	100	--	10 U	80	5.0 U	5.0 U	2.0 U	3.0 U	0.4 U	5.0 U	5.0 U
Ethylbenzene	700	700	--	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	--	10 U	--	--	5.0 U	2.0 U	3.0 U	--	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	--	5.0 U	--	--	10 U	--	--	--	10 U	10 U
Methyl cyclohexane	NS	NS	--	--	--	--	5.0 U	2.0 U	3.0 U	--	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	--	--	--	--	6.4	2.0 U	6.7	--	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	--	28	84	89	25	2.0 U	57	0.5 U	5.0 U	5.0 U
Toluene	5,240	1,000	--	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	--	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	--	21	84	84	21	2.1	28	0.5 U	5.0 U	5.0 U
Trichlorofluoromethane	2,000	2,000	--	100	--	--	30	2.0 U	11	--	10 U	10 U
Vinyl chloride	3.3	2.0	--	10 U	10 U	10 U	2.0 U	4.6 J	3.0 U	0.5 U	2.0 U	2.0 U
o-Xylene	1,860	5	--	--	--	--	--	--	--	--	--	--
Xylene (total)	10,000	10,000	--	5.0 U	5.0 U	5.0 U	5.0 U	6.0 U	9.0 U	1.0 U	15 U	15 U
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	35 J	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-1 (cont'd)						MW-2			
			03/06/08	09/10/08	02/19/09	09/29/09	02/17/10	08/13/10	11/09/94	03/16/99	11/14/00	08/26/03
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	0.5 U
Aroclor-1221	0.5	0.5	--	--	--	--	--	--	2.0 U	1.0 U	1.0 U	0.5 U
Aroclor-1232	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	0.5 U
Aroclor-1242	0.5	0.5	--	--	--	--	--	--	1.0	1.0 U	1.0 U	2.0
Aroclor-1248	0.5	0.5	--	--	--	--	--	--	0.69 J	14	1.0 U	0.5 U
Aroclor-1254	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	0.5 U
Aroclor-1260	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	1.0 U	0.5 U
Volatile Organic Compounds												
1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	2.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	5.0 U	10	5.0 U	5.0 U	5.0 U	2.3 J	--	40	23 J	160
1,1-Dichloroethylene	524	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	11	1.8 J	7.0
1,2,3-Trichlorobenzene	81.8	5	--	--	--	--	--	--	--	10 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	10 U	5.0 U	4.6 J
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	10 U	5.0 U	9.4
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	2.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	10 U	2.7 J	12
1,4-Dichlorobenzene	75	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	39	10	51
Acetone	45,600	4,000	50 U	50 U	50 U	50 U	50 U	50 U	--	100 U	20 U	20 U
Benzene	8.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	2.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	10 U	2.3 J	19
Chloroethane	29,200	10	10 U	10 U	10 U	10 U	10 U	10 U	--	5.0 U	0.01 U	17
Chloroform	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	2.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	5.0 U	19	5.0 U	5.0 U	5.0 U	4.8 J	--	17	2.7 J	45

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-1 (cont'd)						MW-2			
			03/06/08	09/10/08	02/19/09	09/29/09	02/17/10	08/13/10	11/09/94	03/16/99	11/14/00	08/26/03
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	10 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	6.0	5.0 U	1.2 J
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	10 U	--	3.4 J
m&p-Xylene	10,000	10,000	10 U	10 U	10 U	10 U	10 U	--	--	5.0 U	--	1.6 J
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	3.7 J
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	5.0 U
Tetrachloroethylene	5.0	5.0	5.0 U	77	5.0 U	5.0 U	5.0 U	20	—	23	17	19
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	2.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	2.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	5.0 U	25	5.0 U	5.0 U	5.0 U	8.8	—	26	5.9	28
Trichlorofluoromethane	2,000	2,000	5.0 U	79	5.0 U	5.0 U	5.0 U	10	--	210	--	3.4 J
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	10 U	10 U	2.0 U
o-Xylene	1,860	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	--	--
Xylene (total)	10,000	10,000	--	--	--	--	--	5.0 U	--	5.0 U	5.0 U	5.0 U
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-2 (cont'd)									
			12/11/03	07/07/04	06/08/05	06/08/05 (Dup)	02/07/07	07/25/07	03/05/08	03/05/08 (Dup)	09/09/08	09/09/08 (Dup)
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	0.48 U	0.47 UJ	4.9	0.48 J	0.5 U	0.5 U	0.5 U	--	--	--
Aroclor-1221	0.5	0.5	0.48 U	0.47 U	0.40 U	0.40 U	0.5 U	0.5 U	0.5 U	--	--	--
Aroclor-1232	0.5	0.5	0.48 U	0.47 U	0.40 U	0.40 U	0.5 U	0.5 U	0.5 U	--	--	--
Aroclor-1242	0.5	0.5	0.48 U	0.27	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	--	--	--
Aroclor-1248	0.5	0.5	0.48 U	0.47 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	--	--	--
Aroclor-1254	0.5	0.5	0.48 U	0.47 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	--	--	--
Aroclor-1260	0.5	0.5	0.48 U	0.47 UJ	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	--	--	--
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	2.0 U	2.5 U	0.51 J	0.56 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	49	49	98	90	61	80	190	180	290	270
1,1-Dichloroethylene	524	7	6.3	5.3	8.9	9.5	5.5	5.2	5.9	6.2	9.5	11
1,2,3-Trichlorobenzene	81.8	5	1.0 J	1.6 J	--	--	5.0 U	5.0 U	--	--	--	--
1,2,4-Trichlorobenzene	70	70	3.8	2.8	--	--	5.0 U	5.0 U	16	16	9.4	13
1,2-Dichlorobenzene	600	600	6.5	6.9	--	--	9.2	8.7	18	19	21	24
1,2-Dichloroethane	5	5	2.0 U	2.5 U	0.5 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	9.4	8.6	--	--	13	13	27	27	31	38
1,4-Dichlorobenzene	75	75	41	36	--	--	50	50	120	120	160	190
Acetone	45,600	4,000	10 U	12 U	5.0 U	5.0 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	8.7	5.0	0.5 J	2.5 U	0.79 J	0.78 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	11	9.6	15	15	8.6	17	67	65	110	120
Chloroethane	29,200	10	11	2.5 U	5.3	5.6	10 U	13	36	37	60	62
Chloroform	100	100	2.0 U	2.5 U	0.5 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	34	57	93	96	120	53	37	37	24	24

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-2 (cont'd)									
			12/11/03	07/07/04	06/08/05	06/08/05 (Dup)	02/07/07	07/25/07	03/05/08	03/05/08 (Dup)	09/09/08	09/09/08 (Dup)
Cyclohexane	17,500	5	3.4	2.5	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	100	100	2.0 U	2.5 U	0.4 U	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	0.52 J	2.5 U	1.4	1.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	2.2	1.6	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	--	--	--	--	10 U	--	10 U	10 U	10 U	10 U
Methyl cyclohexane	NS	NS	4.8	2.3	--	--	8.1	8.0	5.0 U	5.0 U	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	0.66 J	1.2	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	27	15	14	14	17	50	72	71	36	42
Toluene	5,240	1,000	2.0 U	2.5 U	0.5 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	2.0 U	2.5 U	0.69 J	0.68 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	31	29	25	25	21	30	24	24	18	20
Trichlorofluoromethane	2,000	2,000	10	5.2	--	--	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	3.3	2.0	2.0 U	2.5 U	0.66 J	0.65 J	2.0 U	2.0 U	2.0 U	2.0 U	8.3	8.8
o-Xylene	1,860	5	--	--	--	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U
Xylene (total)	10,000	10,000	6.0 U	7.5 U	1.0 U	1.0 U	15 U	5.0 U	--	--	--	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	1,300	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-2 (cont'd)						MW-3			
			02/19/09	09/30/09	09/30/09 (Dup)	02/16/10	08/13/10	8/13/2010 (Dup)	03/15/99	11/13/00	08/26/03	08/26/03
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	--	--	--	--	1.2 U	--	2.1	1.0 U	0.5 U	0.5 U
Aroclor-1221	0.5	0.5	--	--	--	--	1.2 U	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1232	0.5	0.5	--	--	--	--	1.2 U	--	1.0 U	2.0	0.5 U	0.5 U
Aroclor-1242	0.5	0.5	--	--	--	--	1.2 U	--	1.0 U	1.0 U	1.6	1.7
Aroclor-1248	0.5	0.5	--	--	--	--	1.2 U	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1254	0.5	0.5	--	--	--	--	1.2 U	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1260	0.5	0.5	--	--	--	--	1.2 U	--	1.0 U	1.0 U	0.5 U	0.5 U
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	--
1,1-Dichloroethane	4,000	4,000	200	170	170	170	64	63	22	31 J	18	--
1,1-Dichloroethylene	524	7	6.6	7.9	7.5	7.5	5.0 U	2.7 J	5.0	7.5	3.4 J	--
1,2,3-Trichlorobenzene	81.8	5	--	--	--	--	--	--	10 U	3.5 J	5.0 U	--
1,2,4-Trichlorobenzene	70	70	14	21	23	17	32	32	10 U	7.5	5.0 U	--
1,2-Dichlorobenzene	600	600	30	30	32	28	34	33	10 U	5.0 U	5.0 U	--
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	--
1,3-Dichlorobenzene	600	600	46	58	61	59	72	72	10 U	5.0 U	5.0 U	--
1,4-Dichlorobenzene	75	75	180	240	260	24	270	290	10 U	5.0 U	5.0 U	--
Acetone	45,600	4,000	50 U	50 U	50 U	50 U	50 U	50 U	0.1 U	20 U	20 U	--
Benzene	8.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.3 J	--
Chlorobenzene	136	100	87	77	77	91	100	100	10 U	5.0 U	5.0 U	--
Chloroethane	29,200	10	33	19	21	24	9.3 J	8.5 J	5.0 U	10 U	0.01 U	--
Chloroform	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	--
cis-1,2-Dichloroethylene	1,000	70	25	24	26	31	20	19	14	24	28	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-2 (cont'd)						MW-3			
			02/19/09	09/30/09	09/30/09 (Dup)	02/16/10	08/13/10	8/13/2010 (Dup)	03/15/99	11/13/00	08/26/03	08/26/03
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	5.0 U	2.7 J	2.5 J	--	--	5.0 U	--
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	100	5.0 U	--
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	--
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	--	5.0 U	--
m&p-Xylene	10,000	10,000	10 U	10 U	10 U	10 U	--	--	5.0 U	--	10 U	--
Methyl cyclohexane	NS	NS	5.0 U	6.9	7.1	7.9	5.9	5.6	--	--	5.0 U	--
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	5.0 U	--
Tetrachloroethylene	5.0	5.0	19	10	12	7.5	8.5	8.4	69	110	34	--
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	--
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	--
Trichloroethylene	37.7	5.0	18	12	13	12	13	13	18	31	19	--
Trichlorofluoromethane	2,000	2,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	230	-	32	--
Vinyl chloride	3.3	2.0	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	10 U	2.0 U	--
o-Xylene	1,860	5	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	--	--	--
Xylene (total)	10,000	10,000	--	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	--	2.3

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-3 (cont'd)									
			12/11/03	07/08/04	07/08/04	06/08/05	02/07/07	02/07/07 (Dup)	07/26/07	03/05/08	03/05/08 (Dup)	09/09/08
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	0.48 U	0.48 U	--	13.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221	0.5	0.5	0.48 U	0.48 U	--	3.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	0.5	0.5	6.6	0.48 U	--	3.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	0.5	0.5	0.48 U	6.1	--	2.4 U	8.8	8.7	15	13	14	14
Aroclor-1248	0.5	0.5	0.48 U	0.48 U	--	2.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254	0.5	0.5	0.48 U	0.48 U	--	2.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260	0.5	0.5	0.48 U	0.48 U	--	2.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	2.0 U	2.5 U	2.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
1,1-Dichloroethane	4,000	4,000	15	21	17	31	19	19	25	12	--	14
1,1-Dichloroethylene	524	7	3.6	5.4	4.4	8.6	5.0 U	5.0 U	10	5.0 U	--	5.0 U
1,2,3-Trichlorobenzene	81.8	5	2.0 U	2.5 UJ	2.0 UJ	--	5.0 U	5.0 U	5.0 U	--	--	--
1,2,4-Trichlorobenzene	70	70	0.70 J	2.5 U	2.0 U	--	5.0 U	5.0 U	5.0 U	12	--	8.1
1,2-Dichlorobenzene	600	600	2.0 U	2.5 U	2.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
1,2-Dichloroethane	5	5	2.0 U	2.5 U	2.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
1,3-Dichlorobenzene	600	600	2.0 U	2.5 U	2.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
1,4-Dichlorobenzene	75	75	2.0 U	2.5 U	2.0 U	--	5.0 U	5.0 U	5.0 U	19	--	9.0
Acetone	45,600	4,000	10 U	12 U	10 U	5.0 U	50 U	50 U	50 U	50 U	--	50 U
Benzene	8.7	5.0	0.80 J	0.85	1.5	0.80 J	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Chlorobenzene	136	100	2.0 U	2.5 U	2.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Chloroethane	29,200	10	0.0020 U	2.5 U	2.0 U	1.0 U	10 U	10 U	10 U	10 U	--	10 U
Chloroform	100	100	2.0 U	2.5 U	2.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
cis-1,2-Dichloroethylene	1,000	70	22	30	34	43	37	37	53	17	--	20

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-3 (cont'd)									
			12/11/03	07/08/04	07/08/04	06/08/05	02/07/07	02/07/07 (Dup)	07/26/07	03/05/08	03/05/08 (Dup)	09/09/08
Cyclohexane	17,500	5	2.0 U	2.5 U	1.2	--	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Dibromochloromethane	100	100	2.0 U	2.5 U	2.0 U	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Ethylbenzene	700	700	2.0 U	2.5 U	2.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Isopropyl benzene	1,050	5	0.73 J	1.2	1.8	--	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
m&p-Xylene	10,000	10,000	--	--	--	--	10 U	10 U	--	10 U	--	10 U
Methyl cyclohexane	NS	NS	2.0 U	0.65	0.75	--	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Methyl-t-butyl ether	NS	NS	0.42 J	1.1	0.85	--	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Tetrachloroethylene	5.0	5.0	47	61	51	128	98	100	250	93	--	110
Toluene	5,240	1,000	2.0 U	2.5 U	2.0 U	1.3	8.6	8.5	5.0 U	5.0 U	--	5.0 U
trans-1,2-Dichloroethylene	161	100	2.0 U	2.5 U	2.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U
Trichloroethylene	37.7	5.0	15	19	19	29	19	19	55	13	--	14
Trichlorofluoromethane	2,000	2,000	51	74 J	41 J	--	39	38	170	9.8	--	45
Vinyl chloride	3.3	2.0	2.0 U	2.5 U	2.0 U	0.55	2.0 U	2.0 U	2.0 U	2.0 U	--	2.0 U
o-Xylene	1,860	5	--	--	--	--	--	--	--	5.0 U	--	5.0 U
Xylene (total)	10,000	10,000	6.0 U	7.5 U	6.0 U	1.0 U	15 U	15 U	5.0 U	--	--	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-3 (cont'd)							MW-4		
			09/09/08 (Dup)	02/19/09	02/19/09 (Dup)	09/29/09	09/29/09 (Dup)	02/17/10	08/13/10	03/17/99	11/13/00	08/26/03
<i>Polychlorinated Biphenyls</i>												
Aroclor-1016	3.7	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	1.0 U	1.0 U	0.5 U
Aroclor-1221	0.5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	1.0 U	1.0 U	0.5 U
Aroclor-1232	0.5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	1.0 U	1.0 U	0.5 U
Aroclor-1242	0.5	0.5	16	11	10	6.7	5.9	9.1	8.4	1.0 U	1.0 U	0.5 U
Aroclor-1248	0.5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	1.0 U	1.0 U	0.5 U
Aroclor-1254	0.5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	1.0 U	1.0 U	0.5 U
Aroclor-1260	0.5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	1.0 U	1.0 U	0.5 U
<i>Volatile Organic Compounds</i>												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	13	19	24	8.4	--	18	10	2.0 U	2.6 J	5.0 U
1,1-Dichloroethylene	524	7	5.0 U	6.6	6.6	6.5	--	5.5	3.8 J	2.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	--	--	--	--	--	--	--	10 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	6.6	5.0 U	5.0 U	5.0 U	--	7.1	7.7	10 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	1.2 J	10 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	2.0 J	10 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	7.9	7.9	8.3	5.0 U	--	11	6.1	10 U	0.0018 J	5.0 U
Acetone	45,600	4,000	50 U	50 U	50 U	50 U	--	50 U	50 U	10 U	20 U	20 U
Benzene	8.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	2.0 U	1.8 J	1.9 J
Chlorobenzene	136	100	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	1.1 J	10 U	5.0 U	5.0 U
Chloroethane	29,200	10	10 U	10 U	10 U	10 U	--	10 U	10 U	5.0 U	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	19	35	36	17	--	48	24	3.0	4.3 J	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-3 (cont'd)							MW-4		
			09/09/08 (Dup)	02/19/09	02/19/09 (Dup)	09/29/09	09/29/09 (Dup)	02/17/10	08/13/10	03/17/99	11/13/00	08/26/03
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	--	--	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	10 U	3.9 J	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	10 U	--	5.0 U
m&p-Xylene	10,000	10,000	10 U	10 U	10 U	10 U	--	10 U	--	5.0 U	--	10 U
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	--	--	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	1.0 J	--	--	5.0 U
Tetrachloroethylene	5.0	5.0	93	120	160	48	--	120	120	2.0 U	4.0 J	5.0 U
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	13	20	25	12	--	25	23	2.0 U	3.2 J	5.0 U
Trichlorofluoromethane	2,000	2,000	40	75	67	12	--	34	24	14	--	5.0 U
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	2.0 U	--	2.0 U	2.0 U	10 U	10 U	2.0 U
o-Xylene	1,860	5	5.0 U	5.0 U	5.0 U	5.0 U	--	5.0 U	--	--	--	--
Xylene (total)	10,000	10,000	--	--	--	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-4 (cont'd)									
			12/11/03	07/08/04	06/08/05	06/08/05 (Dup)	02/07/07	03/05/08	09/10/08	02/20/09	09/30/09	02/17/10
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	--	--	--	--	0.5 U	--	--	--	--	0.5 U
Aroclor-1221	0.5	0.5	--	--	--	--	0.5 U	--	--	--	--	0.5 U
Aroclor-1232	0.5	0.5	--	--	--	--	0.5 U	--	--	--	--	0.5 U
Aroclor-1242	0.5	0.5	--	--	--	--	0.5 U	--	--	--	--	0.5 U
Aroclor-1248	0.5	0.5	--	--	--	--	0.5 U	--	--	--	--	0.5 U
Aroclor-1254	0.5	0.5	--	--	--	--	0.5 U	--	--	--	--	0.5 U
Aroclor-1260	0.5	0.5	--	--	--	--	0.5 U	--	--	--	--	0.5 U
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	1.0 U	1.0 U	0.5 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	0.89 J	2.5	5.2	--	5.0 U	14	5.0	15	5.0 U	15
1,1-Dichloroethylene	524	7	0.28 J	1.0 U	1.6	--	5.0 U	5.0 U	5.0 U	5.4	5.0 U	5.9
1,2,3-Trichlorobenzene	81.8	5	1.0 U	1.1 J	--	--	5.0 U	--	--	--	--	--
1,2,4-Trichlorobenzene	70	70	1.0 U	1.1	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	1.0 U	0.34	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5	1.0 U	1.0 U	0.5 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	1.0 U	0.4	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	1.0 U	0.38	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	45,600	4,000	2.9 J	5.0 U	5.0 U	--	50 U	50 U	50 U	50 U	82	50 U
Benzene	8.7	5.0	1.3	1.8	1.4	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	1.0 U	1.0 U	0.5 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	29,200	10	1.0 U	1.0 U	1.0 U	--	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	100	100	1.0 U	1.0 U	0.5 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	0.9 J	3.5	7.5	--	5.9	14	5.2	18	5.0 U	20

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-4 (cont'd)									
			12/11/03	07/08/04	06/08/05	06/08/05 (Dup)	02/07/07	03/05/08	09/10/08	02/20/09	09/30/09	02/17/10
Cyclohexane	17,500	5	1.0 U	1.0 U	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	100	100	1.0 U	1.0 U	0.4 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	1.0 U	1.0 U	0.5 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	1.0 U	1.0 U	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	--	--	--	--	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	NS	NS	1.0 U	1.0 U	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	1.0 U	1.0 U	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	0.39 J	2.3	3.6	--	5.0 U	14	5.0 U	7.3	5.0 U	5.2
Toluene	5,240	1,000	1.0 U	0.22	0.63 J	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	1.0 U	1.0 U	0.5 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	0.33 J	1.3	3.0	--	5.0 U	5.1	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	2,000	2,000	2.9	8.3	--	--	7.1	7.1	5.0 U	13	5.0 U	5.0 U
Vinyl chloride	3.3	2.0	1.0 U	1.0 U	0.5 U	--	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1,860	5	--	--	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene (total)	10,000	10,000	3.0 U	3.0 U	1.0 U	--	15 U	--	--	--	--	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	480	515	591	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-5									
			11/14/00	08/26/03	12/11/03	07/07/04	06/08/05	02/07/07	03/06/08	09/09/08	02/19/09	09/29/09
<i>Polychlorinated Biphenyls</i>												
Aroclor-1016	3.7	0.5	1.0 U	0.5 U	--	0.48 UJ	0.25 U	0.5 U	--	--	--	--
Aroclor-1221	0.5	0.5	1.0 U	0.5 U	--	0.48 U	0.40 U	0.5 U	--	--	--	--
Aroclor-1232	0.5	0.5	1.0 U	0.5 U	--	0.48 U	0.40 U	0.5 U	--	--	--	--
Aroclor-1242	0.5	0.5	1.0 U	0.5 U	--	0.48 U	0.25 U	0.5 U	--	--	--	--
Aroclor-1248	0.5	0.5	1.0 U	0.5 U	--	0.48 U	0.25 U	0.5 U	--	--	--	--
Aroclor-1254	0.5	0.5	1.0 U	0.5 U	--	0.48 U	0.25 U	0.5 U	--	--	--	--
Aroclor-1260	0.5	0.5	1.0 U	0.5 U	--	0.48 UJ	0.25 U	0.5 U	--	--	--	--
<i>Volatile Organic Compounds</i>												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	1.0 U	1.7 U	0.5 U	5.0 U				
1,1-Dichloroethane	4,000	4,000	120 J	63	1.7	46	99	89	96	46	29	18
1,1-Dichloroethylene	524	7	22	9.6	0.93 J	6.2	29.9	26	26	17	8.6	8.5
1,2,3-Trichlorobenzene	81.8	5	5.0 U	5.0 U	1.0 U	5.3 J	--	5.0 U	--	--	--	--
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	1.0 U	2.6	--	5.0 U				
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	1.0 U	1.7 U	--	5.0 U				
1,2-Dichloroethane	5	5	5.0 U	5.0 U	1.0 U	1.7 U	0.5 U	5.0 U				
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	1.0 U	1.7 U	--	5.0 U				
1,4-Dichlorobenzene	75	75	5.0 U	5.0 U	1.0 U	1.7 U	--	5.0 U				
Acetone	45,600	4,000	20 U	20 U	5.0 U	8.4 U	0.5 U	50 U	50 U	50 U	50 U	50 U
Benzene	8.7	5.0	5.0 U	5.0 U	0.20 J	1.7 U	0.5 U	5.0 U				
Chlorobenzene	136	100	5.0 U	5.0 U	1.0 U	1.7 U	0.5 U	5.0 U				
Chloroethane	29,200	10	10 U	10 U	1.0 U	1.7 U	1.0 U	10 U	10 U	10 U	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U	1.0 U	1.7 U	0.5 U	5.0 U				
cis-1,2-Dichloroethylene	1,000	70	63	43	3.3	34	62	62	58	26	20	12

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-5									
			11/14/00	08/26/03	12/11/03	07/07/04	06/08/05	02/07/07	03/06/08	09/09/08	02/19/09	09/29/09
Cyclohexane	17,500	5	--	5.0 U	1.0 U	1.7 U	--	5.0 U				
Dibromochloromethane	100	100	5.0 U	5.0 U	1.0 U	1.7 U	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	1.0 U	1.7 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	--	5.0 U	1.0 U	1.7 U	--	5.0 U				
m&p-Xylene	10,000	10,000	--	10 U	--	--	--	10 U				
Methyl cyclohexane	NS	NS	--	5.0 U	1.0 U	1.7 U	--	5.0 U				
Methyl-t-butyl ether	NS	NS	--	5.0 U	0.78 J	1.7 U	--	5.0 U				
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	20	1.7 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5,240	1,000	5.0 U	5.0 U	1.0 U	1.7 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	1.0 U	1.7 U	0.68 J	5.0 U				
Trichloroethylene	37.7	5.0	2.9 J	1.4 J	7.5	1.1	3.6	5.0 U				
Trichlorofluoromethane	2,000	2,000	-	5.0 U	0.017	1.7 U	--	10 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	3.3	2.0	0.01 U	2.0 U	1.0 U	1.7 U	0.65 J	2.0 U				
o-Xylene	1,860	5	--	--	--	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U
Xylene (total)	10,000	10,000	5.0 U	5.0 U	3.0 U	5.0 U	1.0 U	15 U	--	--	--	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	240	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-5 (cont'd)		MW-6							
			02/17/10	08/12/10	11/14/00	09/17/01	08/27/03	12/11/03	07/08/04	06/09/05	02/08/07	07/26/07
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	--	--	1.0 U	0.5 U	0.5 U	--	--	--	0.5 U	--
Aroclor-1221	0.5	0.5	--	--	1.0 U	0.5 U	0.5 U	--	--	--	0.5 U	--
Aroclor-1232	0.5	0.5	--	--	1.0 U	0.5 U	0.5 U	--	--	--	0.5 U	--
Aroclor-1242	0.5	0.5	--	--	1.0 U	0.5 U	0.5 U	--	--	--	0.5 U	--
Aroclor-1248	0.5	0.5	--	--	1.0 U	0.5 U	0.5 U	--	--	--	0.5 U	--
Aroclor-1254	0.5	0.5	--	--	1.0 U	0.5 U	0.5 U	--	--	--	0.5 U	--
Aroclor-1260	0.5	0.5	--	--	1.0 U	0.5 U	0.5 U	--	--	--	0.5 U	--
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	10	5.0	16 J	27 J	36	31	26	59	48	29
1,1-Dichloroethylene	524	7	5.0 U	2.8 J	3.8 J	6.4	7.8	7.9	5.8	16	13	8.1
1,2,3-Trichlorobenzene	81.8	5	--	--	5.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	--	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	0.45 J	5.0 U	0.20 J	1.0 U	--	5.0 U	5.0 U
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	0.11 J	1.0 U	0.5 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
Acetone	45,600	4,000	50 U	50 U	20 U	10 UJ	20 U	5.0 U	5.0 U	0.5 U	50 U	50 U
Benzene	8.7	5.0	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
Chlorobenzene	136	100	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
Chloroethane	29,200	10	10 U	10 U	10 U	1.9 J	10 U	1.0 U	1.0 U	0.0010 U	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	9.8	5.2	9.5	16	25	25	19	40	37	19

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-5 (cont'd)		MW-6							
			02/17/10	08/12/10	11/14/00	09/17/01	08/27/03	12/11/03	07/08/04	06/09/05	02/08/07	07/26/07
Cyclohexane	17,500	5	5.0 U	5.0 U	--	--	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.4 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	5.0 U	5.0 U	--	1.0 U	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	10 U	--	--	--	10 U	--	--	--	10 U	--
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	--	--	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	--	--	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	5.0 U	5.0 U	5.0 U	1.2	5.0 U	0.64 J	0.49	0.75 J	5.0 U	5.0 U
Trichlorofluoromethane	2,000	2,000	5.0 U	5.0 U	--	2.0 UJ	5.0 U	1.0 U	1.0 U	--	10 U	10 U
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	10 U	2.0 U	2.0 U	0.22 J	1.0 U	0.5 U	2.0 U	2.0 U
o-Xylene	1,860	5	5.0 U	--	--	--	--	--	--	--	--	--
Xylene (total)	10,000	10,000	--	5.0 U	5.0 U	3.0 U	5.0 U	3.0 U	3.0 U	1.0 U	15 U	5.0 U
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	57 J	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-6 (cont'd)						MW-7			
			03/06/08	09/10/08	02/20/09	09/30/09	02/17/10	08/12/10	11/13/00	11/13/00 (Dup)	09/17/01	9/17/01 (Dup)
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	--	--	--	--	--	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1221	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1232	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1242	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1248	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1254	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	0.5 U	0.5 U
Aroclor-1260	0.5	0.5	--	--	--	--	--	--	1.0 U	1.0 U	0.5 U	0.5 U
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15 U	5.0 U	1.0 U	--
1,1-Dichloroethane	4,000	4,000	53	26	29	18	17	16	20 J	21 J	35 J	--
1,1-Dichloroethylene	524	7	16	6.2	9.0	8.4	5.0	7.4	15 U	3.2 J	4.9	--
1,2,3-Trichlorobenzene	81.8	5	--	--	--	--	--	--	160	140	92	--
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.5 J	520	480	330	--
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	19	20	15	--
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15 U	5.0 U	0.53 J	--
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	8.8 J	9.9	8.3	--
1,4-Dichlorobenzene	75	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	52	53	48	--
Acetone	45,600	4,000	50 U	50 U	50 U	50 U	50 U	50 U	60 U	20 U	10 UJ	--
Benzene	8.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15 U	4.3 J	4.5	--
Chlorobenzene	136	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	40	41	50	--
Chloroethane	29,200	10	10 U	10 U	10 U	10 U	10 U	5.7 J	30 U	10 U	2.0 UJ	--
Chloroform	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15 U	5.0 U	0.27 J	--
cis-1,2-Dichloroethylene	1,000	70	55	17	55	47	40	45	9.1 J	9.4	12	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-6 (cont'd)						MW-7			
			03/06/08	09/10/08	02/20/09	09/30/09	02/17/10	08/12/10	11/13/00	11/13/00 (Dup)	09/17/01	9/17/01 (Dup)
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	--
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	12 J	14	1.0 U	--
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15 U	5.0 U	1.0 U	--
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	2.3	--
m&p-Xylene	10,000	10,000	10 U	10 U	10 U	10 U	10 U	--	--	--	--	--
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	--
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	--
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.6	14 J	14	23	--
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	15 U	5.0 U	1.0 U	--
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15 U	5.0 U	1.0 U	--
Trichloroethylene	37.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	15	16	22	--
Trichlorofluoromethane	2,000	2,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	0.73 J	--
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.03 U	10 U	2.0 U	--
o-Xylene	1,860	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	--	--
Xylene (total)	10,000	10,000	--	--	--	--	--	5.0 U	15 U	2.1 J	1.6 J	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-7 (cont'd)									
			08/27/03	12/12/03	12/12/03 (Dup)	07/07/04	06/09/05	02/07/07	07/25/07	03/06/08	09/09/08	02/19/09
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	0.5 U	--	--	--	--	0.5 U	--	--	0.5 U	--
Aroclor-1221	0.5	0.5	0.5 U	--	--	--	--	0.5 U	--	--	0.5 U	--
Aroclor-1232	0.5	0.5	0.5 U	--	--	--	--	0.5 U	--	--	0.5 U	--
Aroclor-1242	0.5	0.5	0.5 U	--	--	--	--	0.5 U	--	--	0.5 U	--
Aroclor-1248	0.5	0.5	0.5 U	--	--	--	--	0.5 U	--	--	0.5 U	--
Aroclor-1254	0.5	0.5	0.5 U	--	--	--	--	0.5 U	--	--	0.5 U	--
Aroclor-1260	0.5	0.5	0.5 U	--	--	--	--	0.5 U	--	--	0.5 U	--
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	1.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	9.4	1.6	2.0	3.2	1.9	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethylene	524	7	1.1 J	1.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	32	0.81 J	11	3.6 J	--	5.0 U	5.0 U	--	--	--
1,2,4-Trichlorobenzene	70	70	110	4.0	4.7	15	--	5.0 U	5.0 U	33	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	6.5	1.2	1.3	2.1	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5	5.0 U	1.0 U	1.0 U	0.32	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	3.0 J	0.92 J	1.0	1.0	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	27	6.6	7.4	7.3	--	5.0 U	5.0 U	7.0	5.0 U	5.0 U
Acetone	45,600	4,000	20 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	50 U	50 U
Benzene	8.7	5.0	1.1 J	1.0 U	1.0 U	0.36	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	20	3.5	3.9	6.0	0.58 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	29,200	10	10 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U
Chloroform	100	100	5.0 U	1.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	2.9 J	0.65 J	0.47 J	0.92	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-7 (cont'd)									
			08/27/03	12/12/03	12/12/03 (Dup)	07/07/04	06/09/05	02/07/07	07/25/07	03/06/08	09/09/08	02/19/09
Cyclohexane	17,500	5	5.0 U	1.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	100	100	5.0 U	1.0 U	1.0 U	1.5	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	1.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	5.0 U	1.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	10 U	--	--	--	--	10 U	--	10 U	10 U	10 U
Methyl cyclohexane	NS	NS	5.0 U	1.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	1.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	6.1	0.25 J	0.30 J	1.8	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5,240	1,000	5.0 U	1.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	1.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	4.8 J	0.31 J	0.22 J	0.0014	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	2,000	2,000	0.11	3.5	5.3	22	-	10 U	10 U	19	5.0 U	5.0 U
Vinyl chloride	3.3	2.0	2.0 U	1.0 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1,860	5	--	--	--	--	--	--	--	5.0 U	5.0 U	5.0 U
Xylene (total)	10,000	10,000	5.0 U	3.0 U	3.0 U	3.0 U	0.001 U	15 U	5.0 U	--	--	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	0.45	0.49	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-7 (cont'd)			MW-8						
			09/30/09	02/17/10	08/12/10	09/17/01	9/17/01 (Dup)	08/27/03	12/12/03	07/07/04	06/09/05	02/08/07
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	--	--	--	0.5 U	--	0.5 U	--	0.48 UJ	0.25 U	0.5 U
Aroclor-1221	0.5	0.5	--	--	--	0.5 U	--	0.5 U	--	0.48 U	0.40 U	0.5 U
Aroclor-1232	0.5	0.5	--	--	--	0.5 U	--	0.5 U	--	0.48 U	0.40 U	0.5 U
Aroclor-1242	0.5	0.5	--	--	--	0.5 U	--	0.5 U	--	1.4	0.25 U	0.5 U
Aroclor-1248	0.5	0.5	--	--	--	0.5 U	--	0.5 U	--	0.48 U	0.25 U	0.5 U
Aroclor-1254	0.5	0.5	--	--	--	0.5 U	--	0.5 U	--	0.48 U	0.25 U	0.5 U
Aroclor-1260	0.5	0.5	--	--	--	0.5 U	--	0.5 U	--	0.48 UJ	0.25 U	0.5 U
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U
1,1-Dichloroethane	4,000	4,000	5.0 U	5.0 U	5.0 U	11	14	4.8 J	23	25	3.9	5.0 U
1,1-Dichloroethylene	524	7	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5.0 U	2	1.6	0.5 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	--	--	--	46	49	16	50	19 J	--	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	160	170	48	250	63	--	130
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	13	13	3.1 J	7.4	8.4	--	11
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	11	11	3.5 J	8.7	11	--	26
1,4-Dichlorobenzene	75	75	5.0 U	5.0 U	5.0 U	57	57	13	35	41	--	95
Acetone	45,600	4,000	50 U	50 U	50 U	71 UJ	29 J	20 U	10 U	15 U	5.0 U	5.0 U
Benzene	8.7	5.0	5.0 U	5.0 U	5.0 U	11	13	20	11	9.1	3.1	5.0 U
Chlorobenzene	136	100	5.0 U	5.0 U	0.29 J	45	50	15	37	39	16	39
Chloroethane	29,200	10	10 U	10 U	10 U	14 U	20 U	10 U	2.0 U	3.0 U	1.0 U	10 U
Chloroform	100	100	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	5.0 U	5.0 U	5.0 U	10	13	1.9 J	7.4	7.0	1.4	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-7 (cont'd)			MW-8						
			09/30/09	02/17/10	08/12/10	09/17/01	9/17/01 (Dup)	08/27/03	12/12/03	07/07/04	06/09/05	02/08/07
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	--	--	5.0 U	2.0 U	3.0 U	--	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5.0 U	2.0 U	3.0 U	0.4 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	2.5 J	2.5 J	5.0 U	2.6	3.2	0.5 U	5.0 U
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	2.5 J	2.2 J	6.7	1.9 J	1.4	--	5.0 U
m&p-Xylene	10,000	10,000	10 U	10 U	--	--	--	10 U	--	--	--	10 U
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	5.0 U	--	--	5.0 U	1.8 J	3.0 U	--	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	--	--	5.0 U	1.0 J	1.1	--	5.0 U
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	5.4	7.1 U	10 U	5.0 U	3.5	3.5	1.2	5.0 U
Toluene	5,240	1,000	5.0 U	5.0 U	4.5 J	7.1 U	10 U	5.0 U	0.42 J	3.0 U	0.5 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5.0 U	2.0 U	3.0 U	0.5 U	5.0 U
Trichloroethylene	37.7	5.0	5.0 U	5.0 U	5.0 U	7.1 U	2.9 J	1.2 J	6.4	6.0	1.3	5.0 U
Trichlorofluoromethane	2,000	2,000	5.0 U	5.0 U	5.0 U	33	48	20	110	84	--	10 U
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	14 U	20 U	2.0 U	2.0 U	3.0 U	0.5 U	2.0 U
o-Xylene	1,860	5	5.0 U	5.0 U	--	--	--	--	--	--	--	--
Xylene (total)	10,000	10,000	--	--	5.0 U	21 U	30 U	5.0 U	2.2 J	1.7	1.0 U	15 U
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	1,400	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-8 (cont'd)							MW-9		
			07/25/07	03/06/08	09/10/08	02/20/09	09/29/09	02/17/10	08/12/10	09/17/01	12/12/03	07/08/04
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	0.5 U	--	0.5 U	--	--	0.5 U	0.50 U	0.5 U	0.5 UJ	--
Aroclor-1221	0.5	0.5	0.5 U	--	0.5 U	--	--	0.5 U	0.50 U	0.5 U	0.5 UJ	--
Aroclor-1232	0.5	0.5	0.5 U	--	0.5 U	--	--	0.5 U	0.50 U	0.5 U	0.5 UJ	--
Aroclor-1242	0.5	0.5	0.5 U	--	0.5 U	--	--	0.5 U	0.50 U	0.5 U	0.5 UJ	--
Aroclor-1248	0.5	0.5	0.5 U	--	0.5 U	--	--	0.5 U	0.50 U	0.5 U	0.5 UJ	--
Aroclor-1254	0.5	0.5	0.5 U	--	0.5 U	--	--	0.5 U	0.50 U	0.5 U	0.5 UJ	--
Aroclor-1260	0.5	0.5	0.5 U	--	0.5 U	--	--	0.5 U	0.50 U	0.5 U	0.5 UJ	--
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U
1,1-Dichloroethane	4,000	4,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.48 J	6.3	4.6	3.4
1,1-Dichloroethylene	524	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	0.23 J	1.0 U
1,2,3-Trichlorobenzene	81.8	5	17	--	--	--	--	--	--	19	12	5.0 J
1,2,4-Trichlorobenzene	70	70	63	190	140	130	120	17	63	49	37	14
1,2-Dichlorobenzene	600	600	8.8	14	12	14	11	11	12	6.4	4.0	3.2
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	600	600	21	43	39	44	50	7.8	54	4.1	4.0	2.5
1,4-Dichlorobenzene	75	75	83	170	180	170	220	35	240	25	18	11
Acetone	45,600	4,000	5.0 U	50 U	50 U	50 U	50 U	50 U	50 U	13 J	5.0 U	5.0 U
Benzene	8.7	5.0	5.0 U	5.0 U	5.7	6.5	5.3	5.0 U	8.6	2.0 U	1.0 U	1.0 U
Chlorobenzene	136	100	39	38	39	40	31	5.0 U	38	10	4.6	3.7
Chloroethane	29,200	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.0 U	1.0 U	1.0 U
Chloroform	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethylene	1,000	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.75 J	1.0	0.80

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-8 (cont'd)							MW-9		
			07/25/07	03/06/08	09/10/08	02/20/09	09/29/09	02/17/10	08/12/10	09/17/01	12/12/03	07/08/04
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	--	1.0 U	1.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.65 J	2.0 U	1.0 U	1.0 U
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	5.0 U	5.9	5.0 U	5.6	2.0 U	1.0 U	1.0 U
m&p-Xylene	10,000	10,000	--	10 U	10 U	10 U	10 U	10 U	--	--	--	--
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	6.1	5.0 U	5.0 U	--	1.0 U	1.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	0.25 J	0.33
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	0.90 J	0.38
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	2.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U
Trichloroethylene	37.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	0.88 J	0.56
Trichlorofluoromethane	2,000	2,000	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.5 J	11	3.7
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	1.0 U	1.0 U
o-Xylene	1,860	5	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	--
Xylene (total)	10,000	10,000	5.0 U	--	--	--	--	--	5.0 U	6.0 U	3.0 U	3.0 U
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	370	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRSS	MW-9 (cont'd)								
			06/09/05	02/08/07	07/25/07	03/06/08	09/10/08	02/20/09	09/30/09	02/17/10	08/12/10
Polychlorinated Biphenyls											
Aroclor-1016	3.7	0.5	1.8	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Aroclor-1221	0.5	0.5	0.40 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Aroclor-1232	0.5	0.5	0.40 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Aroclor-1242	0.5	0.5	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Aroclor-1248	0.5	0.5	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Aroclor-1254	0.5	0.5	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Aroclor-1260	0.5	0.5	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Volatile Organic Compounds											
1,1,1-Trichloroethane	13,600	200	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	1.1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.6 J
1,1-Dichloroethylene	524	7	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	--	5.0 U	5.0 U	--	--	--	--	--	--
1,2,4-Trichlorobenzene	70	70	--	8.0	5.0 U	7.3	5.0 U	5.0 U	7.5	5.0 U	1.8 J
1,2-Dichlorobenzene	600	600	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	45,600	4,000	5.3 J	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	8.7	5.0	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	29,200	10	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	100	100	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRSS	MW-9 (cont'd)								
			06/09/05	02/08/07	07/25/07	03/06/08	09/10/08	02/20/09	09/30/09	02/17/10	08/12/10
Cyclohexane	17,500	5	--	5.0 U							
Dibromochloromethane	100	100	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	--	5.0 U							
m&p-Xylene	10,000	10,000	--	10 U	--	10 U	--				
Methyl cyclohexane	NS	NS	--	5.0 U							
Methyl-t-butyl ether	NS	NS	--	5.0 U							
Tetrachloroethylene	5.0	5.0	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.5
Toluene	5,240	1,000	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.1 J
trans-1,2-Dichloroethylene	161	100	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.1 J
Trichlorofluoromethane	2,000	2,000	--	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	3.3	2.0	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1,860	5	--	--	--	5.0 U	--				
Xylene (total)	10,000	10,000	1.0 U	15 U	5.0 U	--	--	--	--	--	5.0 U
Petroleum Products											
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-10									
			08/27/03	8/27/03 (Dup)	12/11/03	07/08/04	06/08/05	02/08/07	07/25/07	03/05/08	09/10/08	02/20/09
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	0.5 U	--	0.48 U	--	0.24 U	0.5 U	--	--	--	--
Aroclor-1221	0.5	0.5	0.5 U	--	0.48 U	--	0.38 U	0.5 U	--	--	--	--
Aroclor-1232	0.5	0.5	0.5 U	--	0.48 U	--	0.38 U	0.5 U	--	--	--	--
Aroclor-1242	0.5	0.5	0.5 U	--	0.48 U	--	0.24 U	0.5 U	--	--	--	--
Aroclor-1248	0.5	0.5	0.5 U	--	0.48 U	--	0.24 U	0.5 U	--	--	--	--
Aroclor-1254	0.5	0.5	0.5 U	--	0.48 U	--	0.24 U	0.5 U	--	--	--	--
Aroclor-1260	0.5	0.5	0.5 U	--	0.48 U	--	0.24 U	0.5 U	--	--	--	--
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	10 U	3.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	5.0 U	5.0 U	30	1.9	2.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethylene	524	7	5.0 U	5.0 U	10 U	3.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	5.0 U	5.0 U	34	3.0 UJ	--	5.0 U	5.0 U	--	--	--
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	170	3.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	9.1 J	3.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5	5.0 U	5.0 U	10 U	3.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	9.9 J	3.0 U	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	4.3 J	4.3 J	42	2.9	--	7.4	8.2	11	17	15
Acetone	45,600	4,000	20 U	20 U	50 U	15 U	5.0 U	50 U	50 U	50 U	50 U	50 U
Benzene	8.7	5.0	17	17	15	9.2	9.2	5.6	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	38	38	45	31	32	19	13	7.6	5.0 U	6.6
Chloroethane	29,200	10	10 U	10 U	10 U	3.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U	10 U	3.0 U	0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	1.5 J	1.4 J	10	1.8	1.9	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-10									
			08/27/03	8/27/03 (Dup)	12/11/03	07/08/04	06/08/05	02/08/07	07/25/07	03/05/08	09/10/08	02/20/09
Cyclohexane	17,500	5	13	13	10 U	3.6	--	15	13	5.0 U	5.0 U	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	10 U	3.0 U	0.4 U	5.0 U				
Ethylbenzene	700	700	140	130	2.9 J	85	108	110	130	76	68	54
Isopropyl benzene	1,050	5	30	31	10 U	14	--	31	32	22	29	28
m&p-Xylene	10,000	10,000	23	22	--	--	--	18	--	13	10 U	10 U
Methyl cyclohexane	NS	NS	13	13	10 U	1.9	--	14	17	5.0 U	16	11
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	10 U	3.0 U	--	5.0 U				
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	6.0 J	3.0 U	0.5 U	5.0 U				
Toluene	5,240	1,000	5.0 U	5.0 U	10 U	3.0 U	9.7	5.0 U				
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	10 U	3.0 U	0.5 U	5.0 U				
Trichloroethylene	37.7	5.0	5.0 U	5.0 U	7.1 J	3.0 U	0.5 U	5.0 U				
Trichlorofluoromethane	2,000	2,000	5.0 U	5.0 U	220	3.0 U	--	10 U	10 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	10 U	3.0 U	0.5 U	2.0 U				
o-Xylene	1,860	5	--	--	--	--	--	--	--	5.9	5.5	6.1
Xylene (total)	10,000	10,000	5.0 U	5.0 U	30 U	15	17	15 U	28	--	--	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	4,300	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-10 (cont'd)			MW-11					
			09/30/09	02/16/10	08/12/10	10/27/03	12/12/03	07/08/04	06/09/05	02/08/07	07/25/07
Polychlorinated Biphenyls											
Aroclor-1016	3.7	0.5	--	--	--	0.5 U	0.48 U	--	0.25 U	--	--
Aroclor-1221	0.5	0.5	--	--	--	0.5 U	0.48 U	--	0.40 U	--	--
Aroclor-1232	0.5	0.5	--	--	--	0.5 U	0.48 U	--	0.40 U	--	--
Aroclor-1242	0.5	0.5	--	--	--	0.5 U	0.48 U	--	0.25 U	--	--
Aroclor-1248	0.5	0.5	--	--	--	0.5 U	0.48 U	--	0.25 U	--	--
Aroclor-1254	0.5	0.5	--	--	--	0.5 U	0.48 U	--	0.25 U	--	--
Aroclor-1260	0.5	0.5	--	--	--	0.5 U	0.48 U	--	0.25 U	--	--
Volatile Organic Compounds											
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	5.0 U	5.0 U	0.83 J	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
1,1-Dichloroethylene	524	7	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	--	--	--	5.0 U	1.0 U	2.7 J	--	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	3.8	--	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	3.1 J	5.0 U	3.3	7.0	--	5.0 U	5.3
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	3.3 J	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	14	14	16	5.0 U	1.0 U	0.36	--	5.0 U	5.0 U
Acetone	45,600	4,000	50 U	50 U	50 U	20 U	5.0 U	5.0 U	5.0 U	50 U	50 U
Benzene	8.7	5.0	5.0 U	5.0 U	0.77 J	5.0 U	0.56 J	0.82	0.5 U	5.0 U	5.0 U
Chlorobenzene	136	100	8.5	8.8	3.1 J	5.0 U	2.4	3.5	3.2	5.0 U	5.0 U
Chloroethane	29,200	10	10 U	10 U	10 U	10 U	1.0 U	1.0 U	1.0 U	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	0.27	1.3	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	5.0 U	5.0 U	2.2 J	5.0 U	0.47 J	1.0 U	0.5 U	5.0 U	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-10 (cont'd)			MW-11						
			09/30/09	02/16/10	08/12/10	10/27/03	12/12/03	07/08/04	06/09/05	02/08/07	07/25/07	03/06/08
Cyclohexane	17,500	5	5.0 U	5.0 U	10.0	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	0.4 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	49	49	38	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	24	27	28	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	10 U	10 U	--	10 U	--	--	--	10 U	--	10 U
Methyl cyclohexane	NS	NS	15	14	11	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	--	5.0 U	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	1.7 J	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	0.5 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	2,000	2,000	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	--	10 U	10 U	5.0 U
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U
o-Xylene	1,860	5	7.0	5.0 U	--	--	--	--	--	--	--	5.0 U
Xylene (total)	10,000	10,000	--	--	11	5.0 U	3.0 U	3.0 U	1.0 U	15 U	5.0 U	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	280	270	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-11 (cont'd)					MW-12				
			09/10/08	02/20/09	09/30/09	02/17/10	08/12/10	02/07/07	07/25/07	03/06/08	09/09/08	02/19/09
Polychlorinated Biphenyls												
Aroclor-1016	3.7	0.5	--	--	--	--	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221	0.5	0.5	--	--	--	--	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	0.5	0.5	--	--	--	--	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	0.5	0.5	--	--	--	--	0.50 U	0.5 U	0.5 U	5.2	0.5 U	7.4
Aroclor-1248	0.5	0.5	--	--	--	--	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254	0.5	0.5	--	--	--	--	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260	0.5	0.5	--	--	--	--	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volatile Organic Compounds												
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	44	41	47	39	25
1,1-Dichloroethylene	524	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	16	19	14	15	7.2
1,2,3-Trichlorobenzene	81.8	5	--	--	--	--	--	5.0 U	14	--	--	--
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	57	480	5.5	5.5	26
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J	5.0 U				
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	5.0 U	5.0 U	5.0 U	5.0 U	1.3 J	5.0 U	5.0 U	5.0 U	5.0 U	7.3
Acetone	45,600	4,000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	8.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	5.0 U	5.0 U	5.0 U	5.0 U	3.6 J	5.0 U				
Chloroethane	29,200	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	65	56	51	48	38

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	MW-11 (cont'd)					MW-12				
			09/10/08	02/20/09	09/30/09	02/17/10	08/12/10	02/07/07	07/25/07	03/06/08	09/09/08	02/19/09
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	10 U	10 U	10 U	10 U	--	10 U	--	10 U	10 U	10 U
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	250	260	300	200	170
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	56	76	66	37	32
Trichlorofluoromethane	2,000	2,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	330	200	260	180	100
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1,860	5	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--	5.0 U	5.0 U	5.0 U
Xylene (total)	10,000	10,000	--	--	--	--	5.0 U	15 U	5.0 U	--	--	--
Petroleum Products												
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	200	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRSS	MW-12 (cont'd)			MW-12D	MW-13	RW-1			
			09/30/09	02/17/10	08/13/10	08/13/10	08/12/10	03/05/08	09/09/08	02/19/09	09/29/09
Polychlorinated Biphenyls											
Aroclor-1016	3.7	0.5	0.5 U	0.5 U	1.2 U	0.12 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221	0.5	0.5	0.5 U	0.5 U	1.2 U	0.12 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	0.5	0.5	0.5 U	0.5 U	12	3.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	0.5	0.5	4.4	4.2	1.2 U	0.12 U	0.50 U	0.5 U	11	7.0	8.3
Aroclor-1248	0.5	0.5	0.5 U	0.5 U	1.2 U	0.12 U	0.50 U	11	0.5 U	0.5 U	0.5 U
Aroclor-1254	0.5	0.5	0.5 U	0.5 U	1.2 U	0.12 U	0.50 U	4.9	3.8	0.5 U	3.6
Aroclor-1260	0.5	0.5	0.5 U	0.5 U	1.2 U	0.12 U	0.50 U	0.5 U	0.5 U	2.9	0.5 U
Volatile Organic Compounds											
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	28	14	19	18	5.0 U	5.0 U	10	5.0 U	5.0 U
1,1-Dichloroethylene	524	7	11	5.0 U	9.2	9.6	5.0 U				
1,2,3-Trichlorobenzene	81.8	5	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	70	70	480	38	730	260	5.0 U	10	5.0	5.0 U	19
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U	1.8 J	1.8 J	1.5 J	5.0 U	5.0 U	5.0 U	7.3
1,2-Dichloroethane	5	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U	2.5 J	0.81 J	3.9 J	5.0 U	5.0 U	5.0 U	6.9
1,4-Dichlorobenzene	75	75	9.4	5.4	8.7	2.6 J	21	8.4	5.0 U	5.0 U	29
Acetone	45,600	4,000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	8.7	5.0	5.0 U	5.0 U	0.53 J	5.0 U	19	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	136	100	5.0 U	5.0 U	5.0 U	5.0 U	38	5.0 U	5.0 U	5.0 U	6.2
Chloroethane	29,200	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U	5.0 U	1.2 J	5.0 U				
cis-1,2-Dichloroethylene	1,000	70	48	32	41	38	5.0 U	5.0 U	12	5.0 U	5.0 U

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

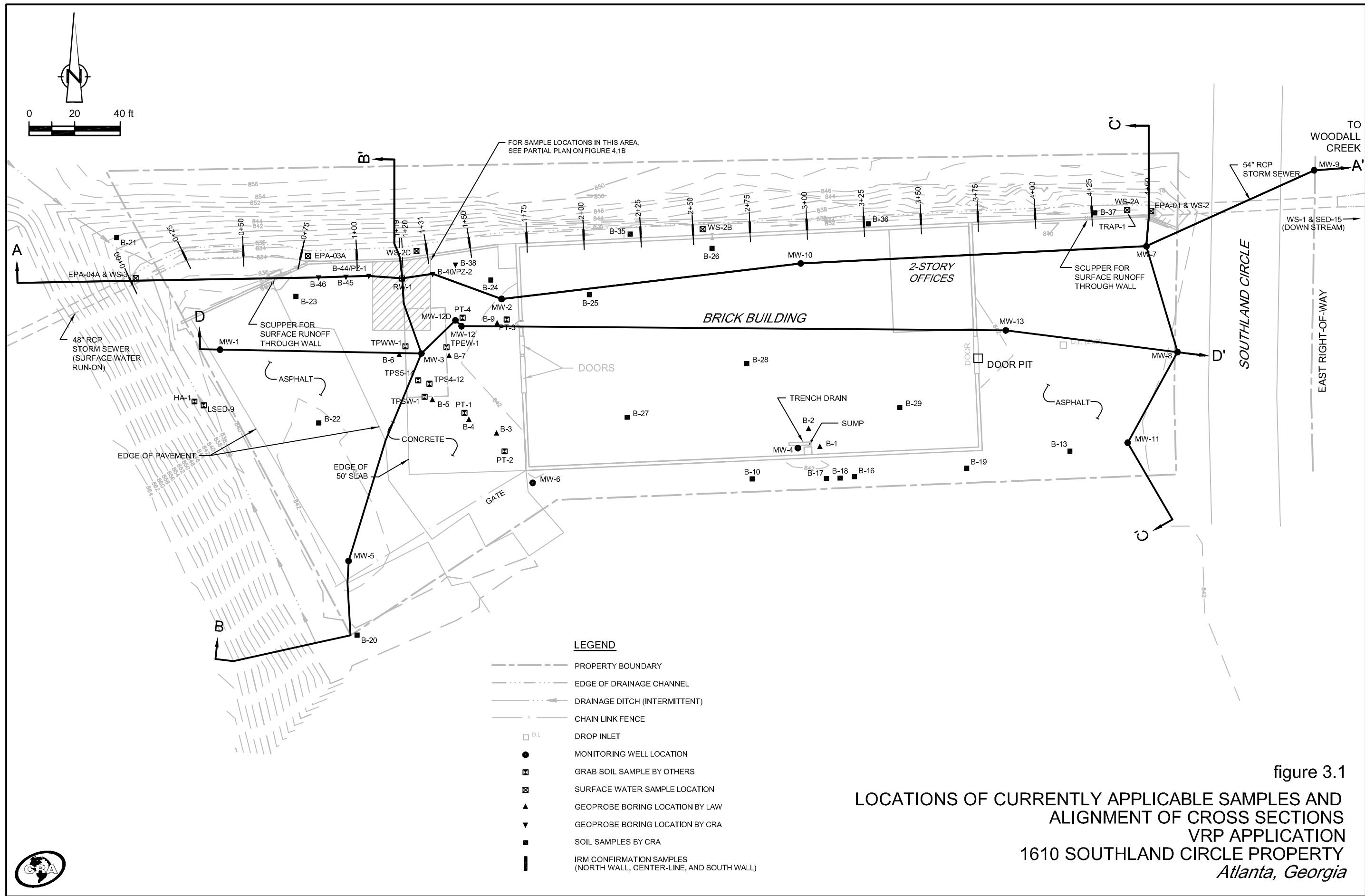
Parameter	Type 4 GW RRS	Type 1 GWRSS	MW-12 (cont'd)			MW-12D	MW-13	RW-1			
			09/30/09	02/17/10	08/13/10	08/13/10	08/12/10	03/05/08	09/09/08	02/19/09	09/29/09
Cyclohexane	17,500	5	5.0 U	5.0 U	5.0 U	5.0 U	8.6	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	7.8	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	1,050	5	5.0 U	5.0 U	5.0 U	5.0 U	19	5.0 U	5.0 U	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	10 U	10 U	--	--	--	10 U	10 U	10 U	10 U
Methyl cyclohexane	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	9.5	5.0 U	5.0 U	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U	3.0 J	5.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	220	140	280	220	5.0 U	16	55	5.0 U	9.8
Toluene	5,240	1,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	49	28	55	58	5.0 U	5.0 U	8.7	5.0 U	5.0 U
Trichlorofluoromethane	2,000	2,000	150	68	150	150	5.0 U	5.0 U	19	5.0 U	5.0 U
Vinyl chloride	3.3	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1,860	5	5.0 U	5.0 U	--	--	--	5.0 U	5.0 U	5.0 U	5.0 U
Xylene (total)	10,000	10,000	--	--	5.0 U	5.0 U	6.6	--	--	--	--
Petroleum Products			NS	NS	--	--	--	--	--	--	--
TPH - extractable (DRO)	NS	NS	--	--	--	--	--	--	--	--	--

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	RW-1 (cont'd)	
			02/17/10	08/12/10
<i>Polychlorinated Biphenyls</i>				
Aroclor-1016	3.7	0.5	0.5 U	0.50 U
Aroclor-1221	0.5	0.5	0.5 U	0.50 U
Aroclor-1232	0.5	0.5	0.5 U	0.50 U
Aroclor-1242	0.5	0.5	6.0	14
Aroclor-1248	0.5	0.5	0.5 U	0.50 U
Aroclor-1254	0.5	0.5	2.5	2.7
Aroclor-1260	0.5	0.5	0.5 U	1.2
<i>Volatile Organic Compounds</i>				
1,1,1-Trichloroethane	13,600	200	5.0 U	5.0 U
1,1-Dichloroethane	4,000	4,000	5.0 U	1.9 J
1,1-Dichloroethylene	524	7	5.0 U	5.0 U
1,2,3-Trichlorobenzene	81.8	5	--	--
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U
1,2-Dichlorobenzene	600	600	5.0 U	5.0 U
1,2-Dichloroethane	5	5	5.0 U	5.0 U
1,3-Dichlorobenzene	600	600	5.0 U	5.0 U
1,4-Dichlorobenzene	75	75	5.0 U	5.0 U
Acetone	45,600	4,000	50 U	50 U
Benzene	8.7	5.0	5.0 U	5.0 U
Chlorobenzene	136	100	5.0 U	5.0 U
Chloroethane	29,200	10	10 U	10 U
Chloroform	100	100	5.0 U	5.0 U
cis-1,2-Dichloroethylene	1,000	70	5.0 U	2.4 J

TABLE 3.3
Groundwater Monitoring Data
1610 Southland Circle, Atlanta, Georgia

Parameter	Type 4 GW RRS	Type 1 GWRRS	RW-1 (cont'd)	
			02/17/10	08/12/10
Cyclohexane	17,500	5	5.0 U	5.0 U
Dibromochloromethane	100	100	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U
Isopropyl benzene	1,050	5	5.0 U	5.0 U
m&p-Xylene	10,000	10,000	10 U	--
Methyl cyclohexane	NS	NS	5.0 U	5.0 U
Methyl-t-butyl ether	NS	NS	5.0 U	5.0 U
Tetrachloroethylene	5.0	5.0	9.3	10
Toluene	5,240	1,000	5.0 U	5.0 U
trans-1,2-Dichloroethylene	161	100	5.0 U	5.0 U
Trichloroethylene	37.7	5.0	5.0 U	5.0 U
Trichlorofluoromethane	2,000	2,000	5.0 U	3.0 J
Vinyl chloride	3.3	2.0	2.0 U	2.0 U
o-Xylene	1,860	5	5.0 U	--
Xylene (total)	10,000	10,000	--	5.0 U
Petroleum Products				
TPH - extractable (DRO)	NS	NS	--	--



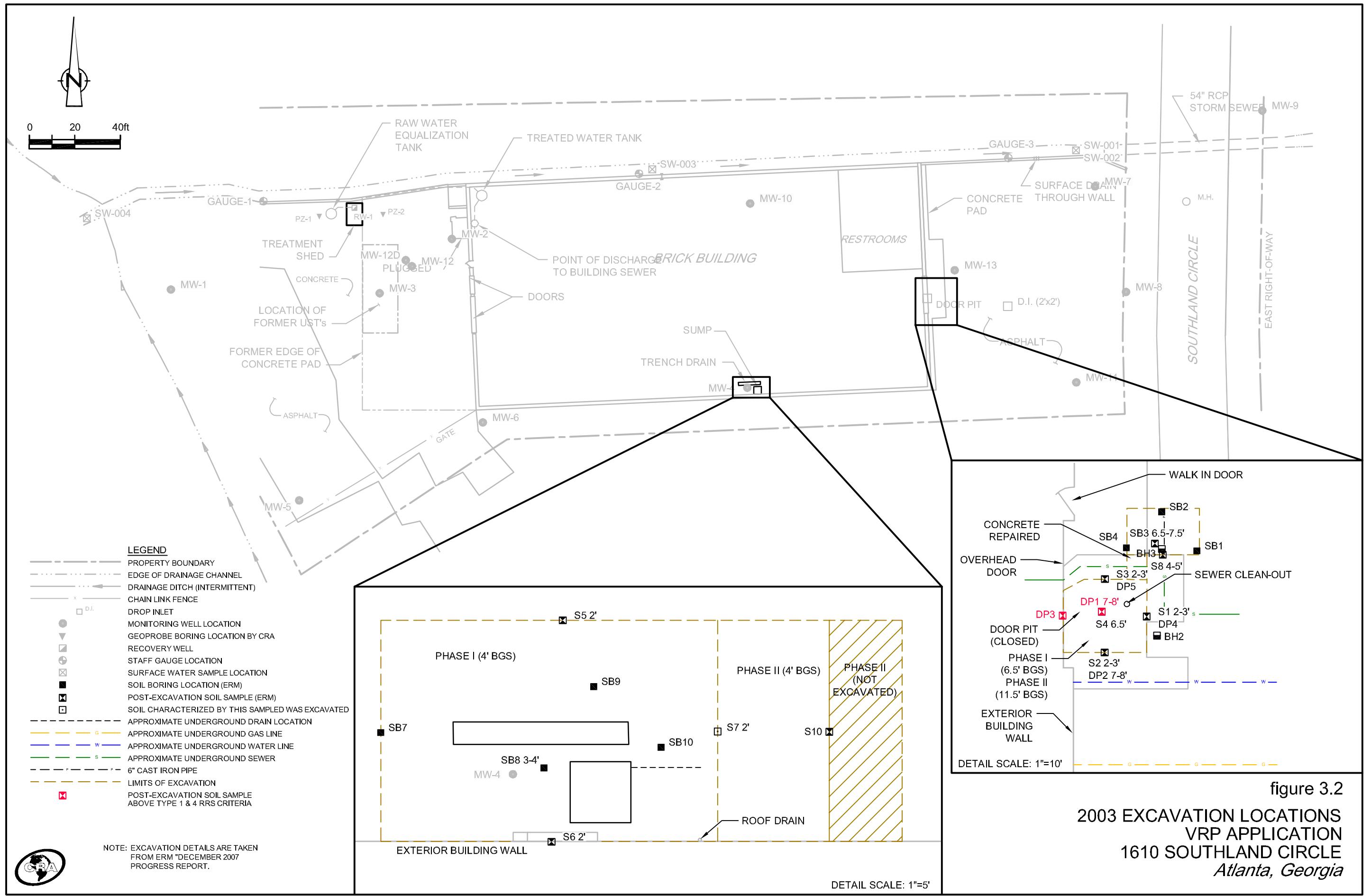
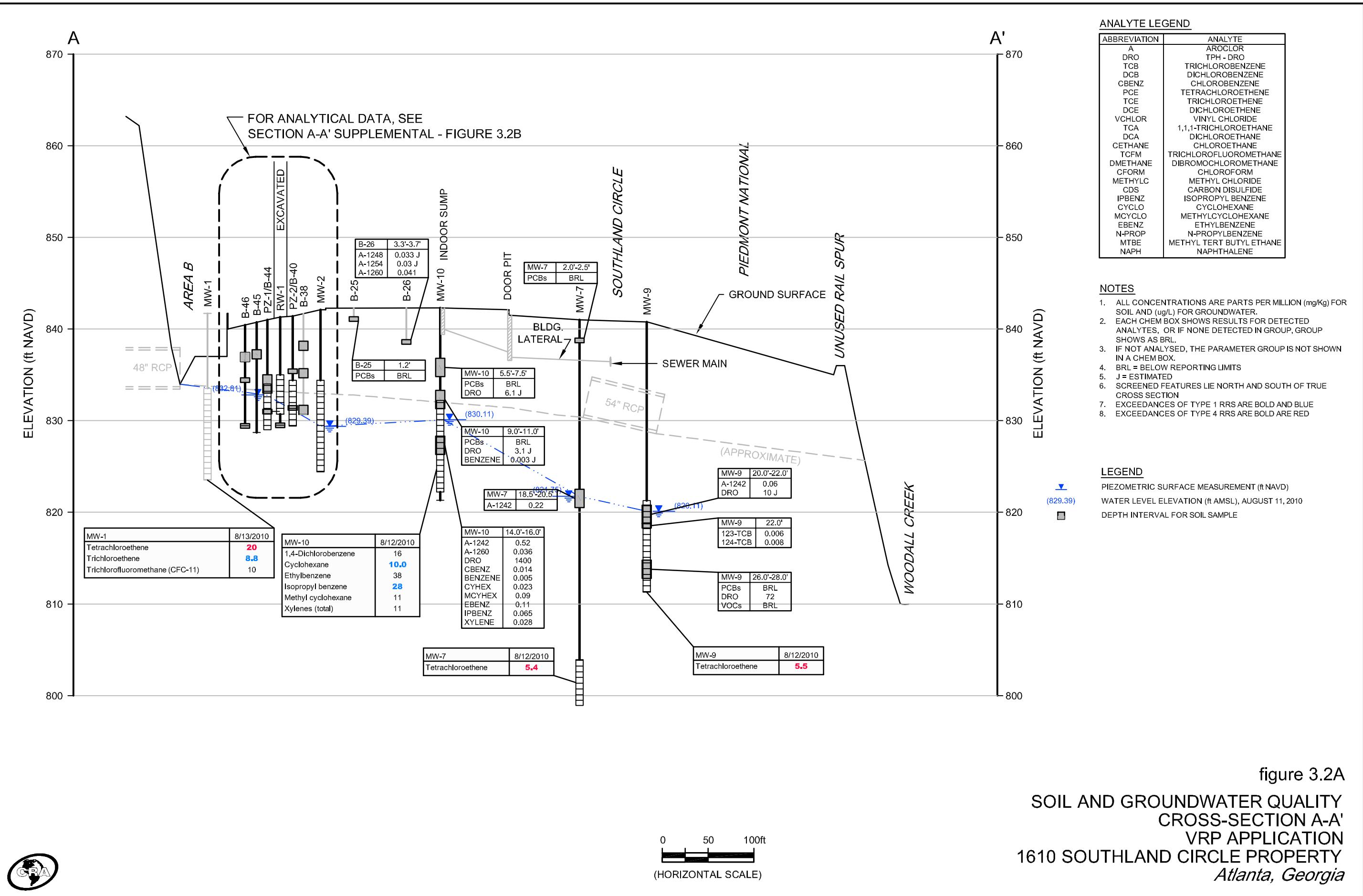
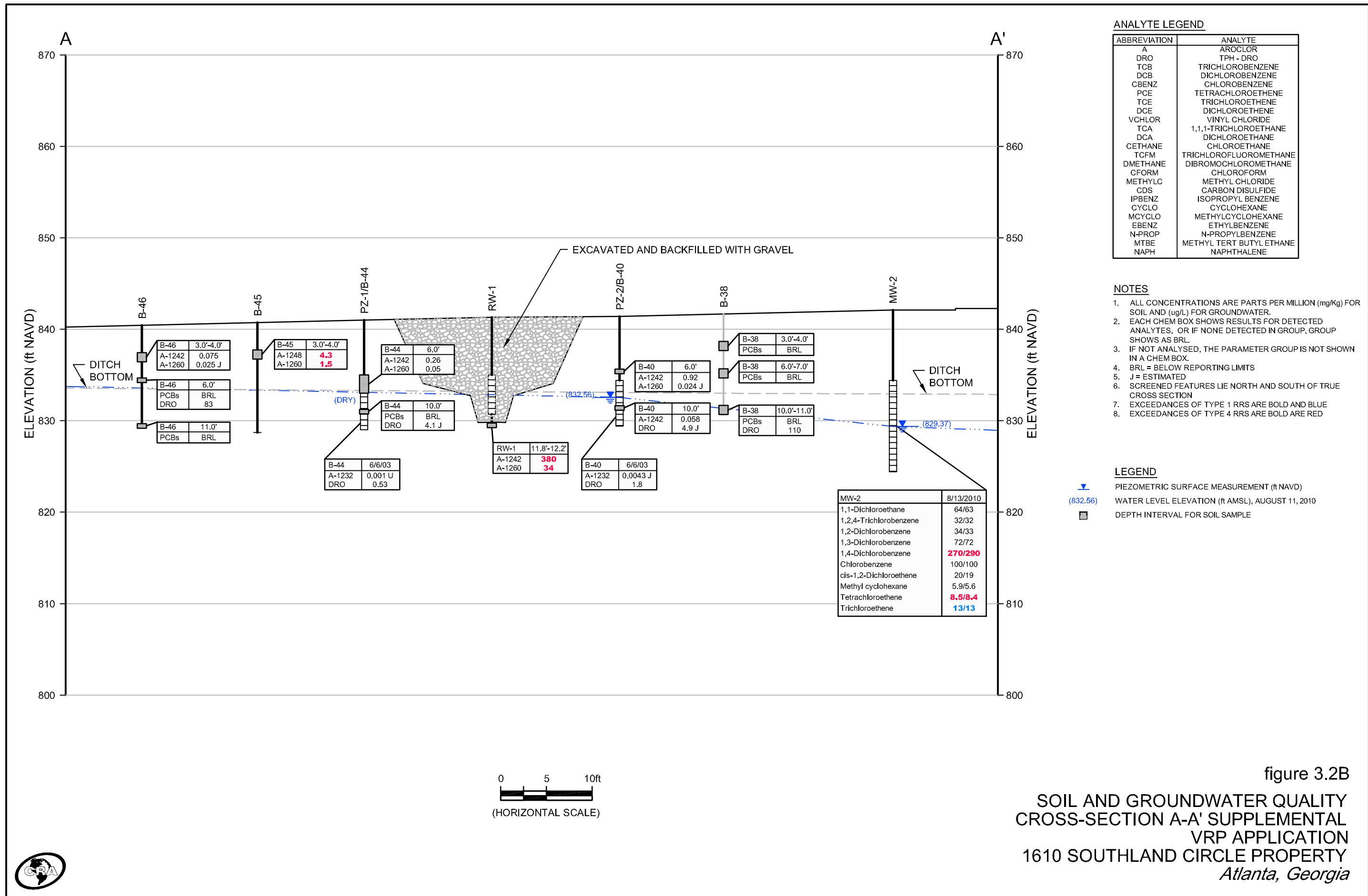


figure 3.2





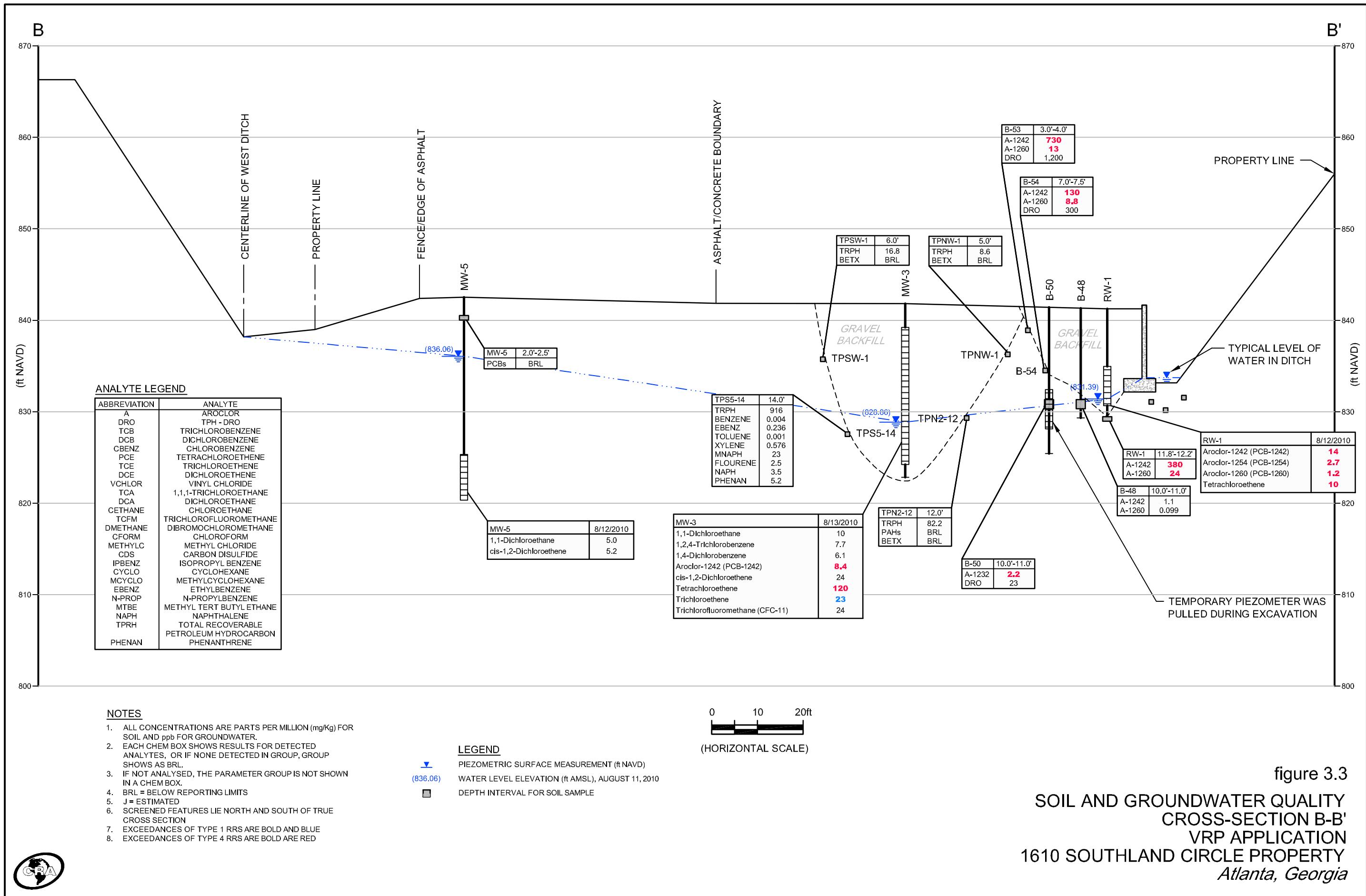


figure 3.3

SOIL AND GROUNDWATER QUALITY CROSS-SECTION B-B'

VRP APPLICATION

1610 SOUTHLAND CIRCLE PROPERTY

Atlanta, Georgia



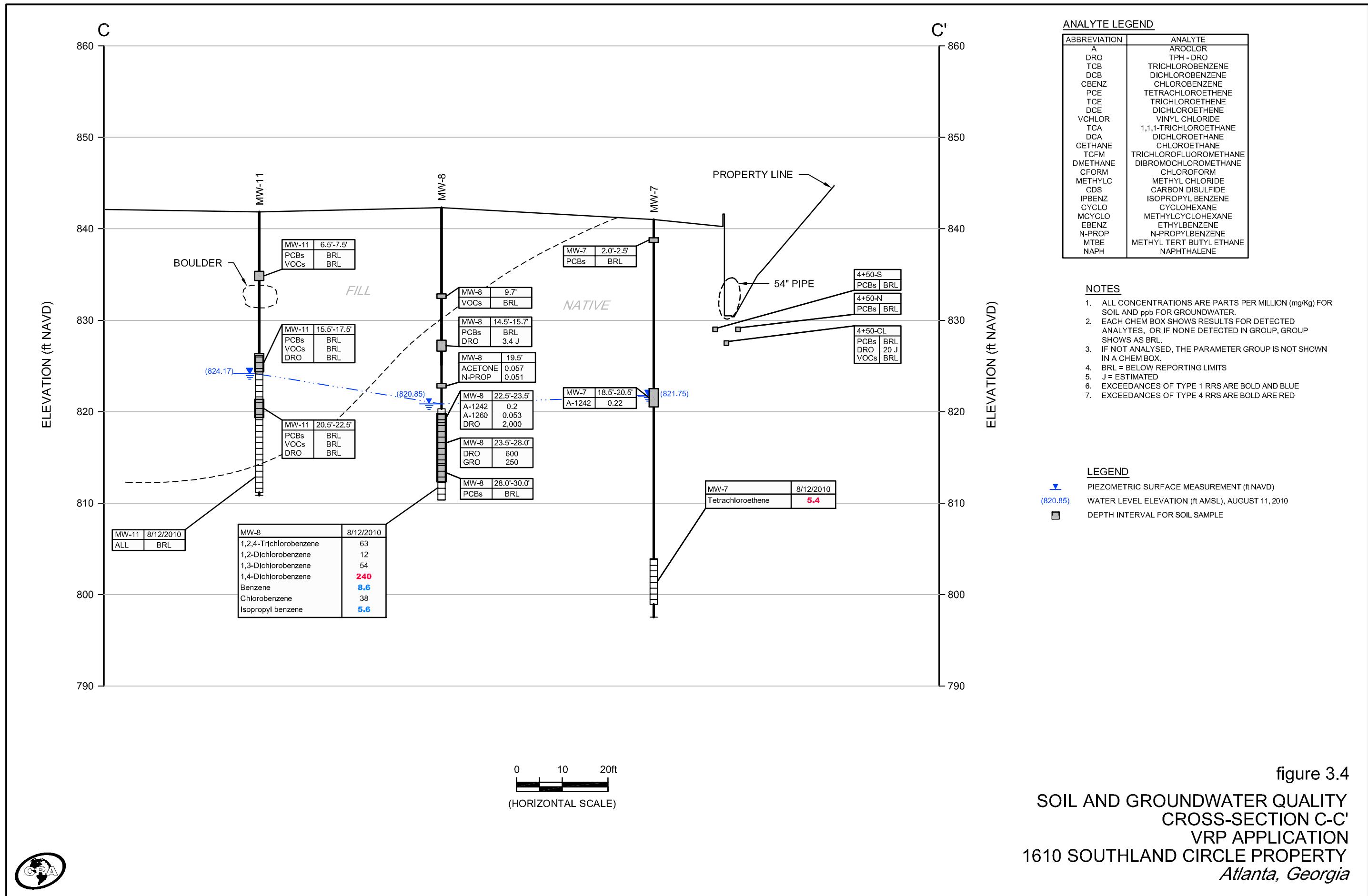


figure 3.4

SOIL AND GROUNDWATER QUALITY
CROSS-SECTION C-C'
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia



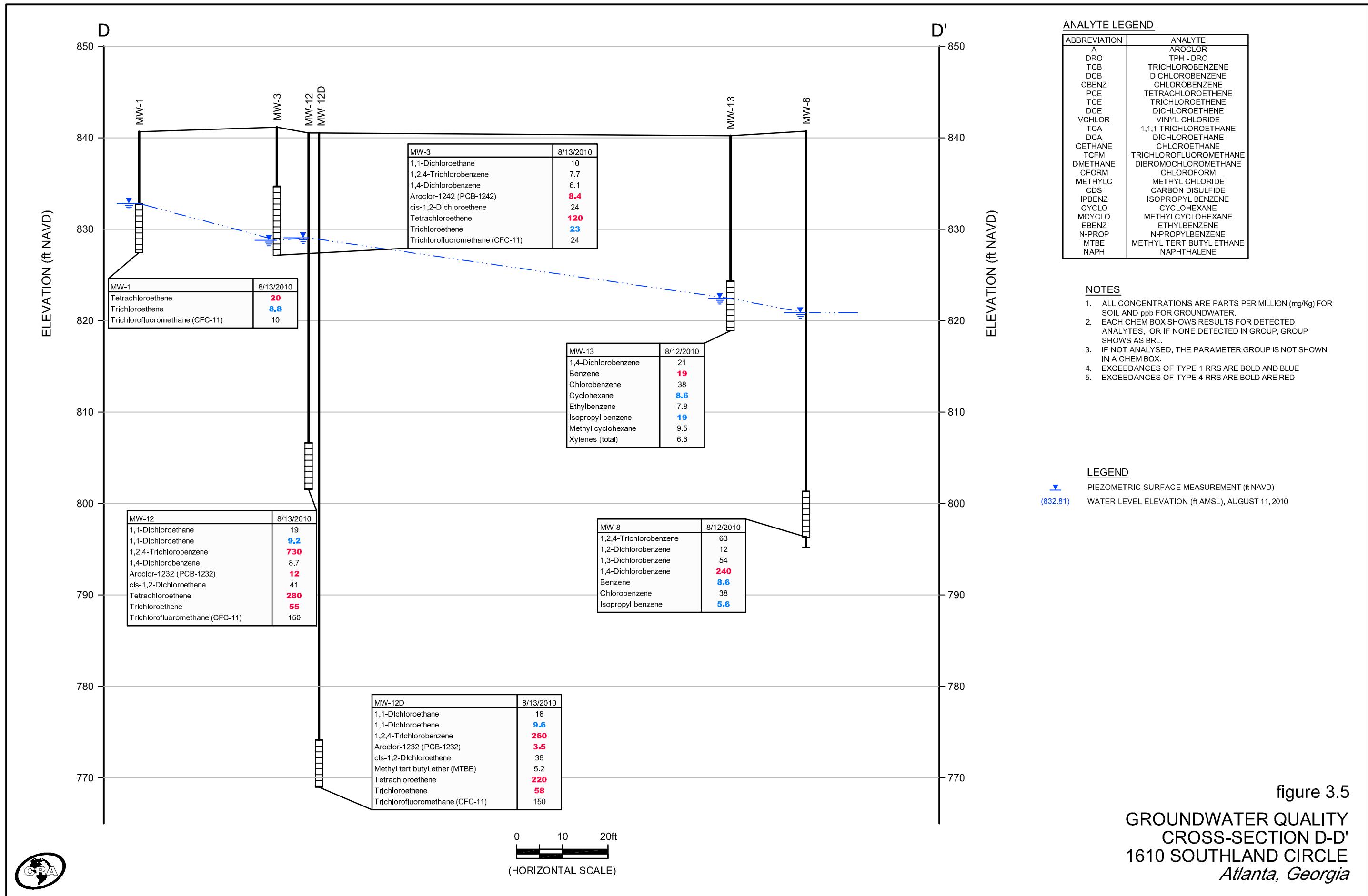
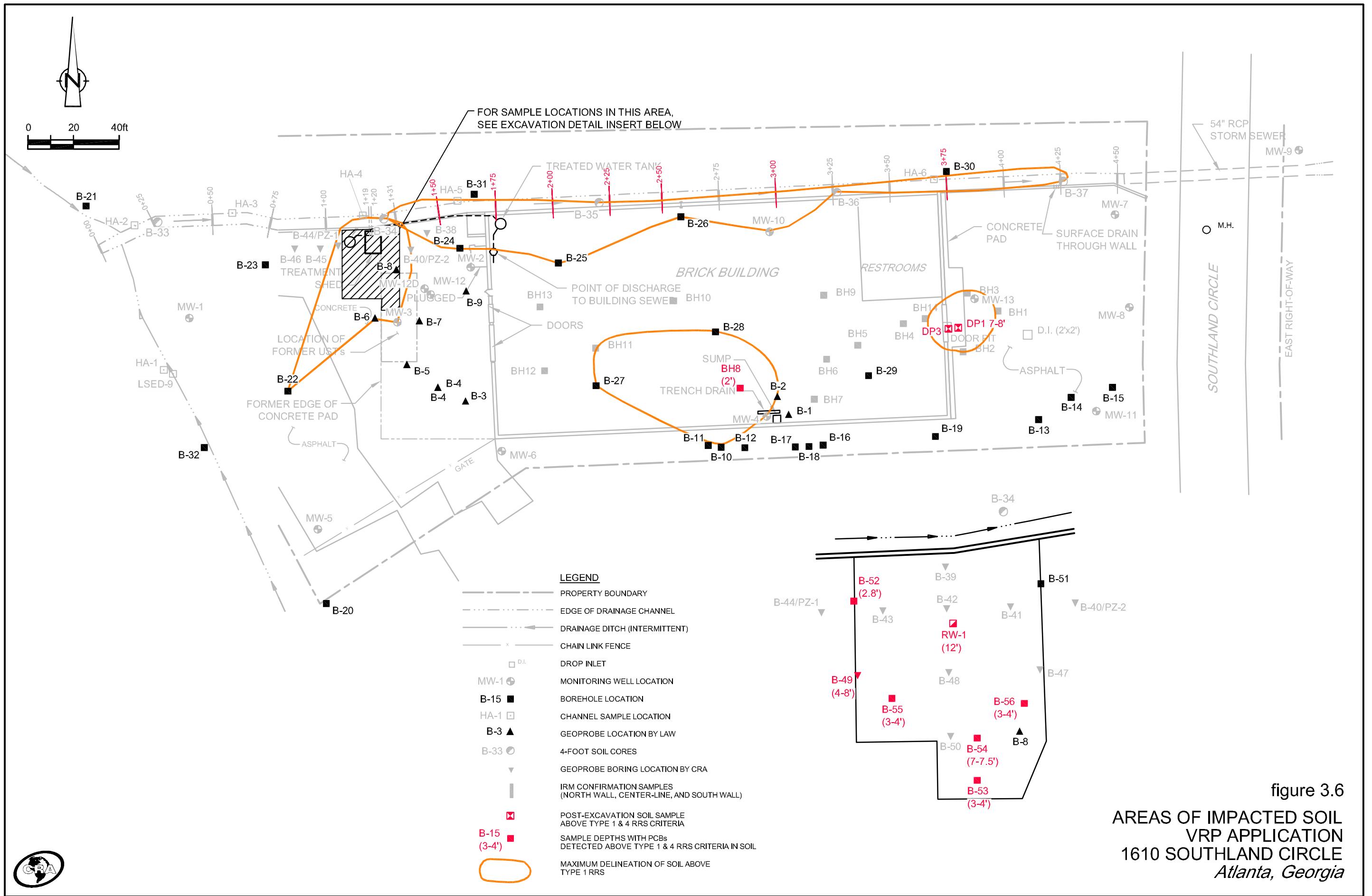
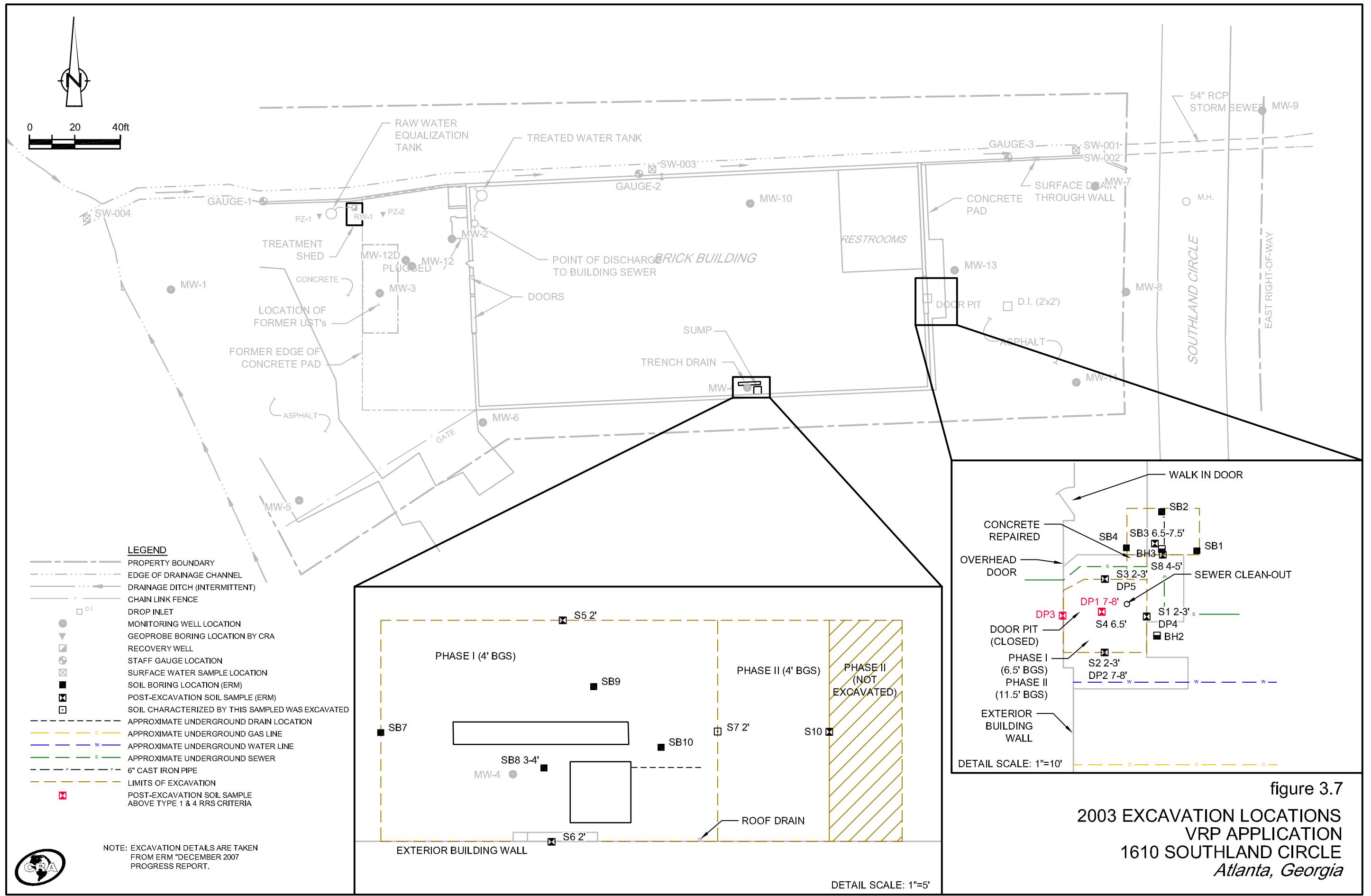


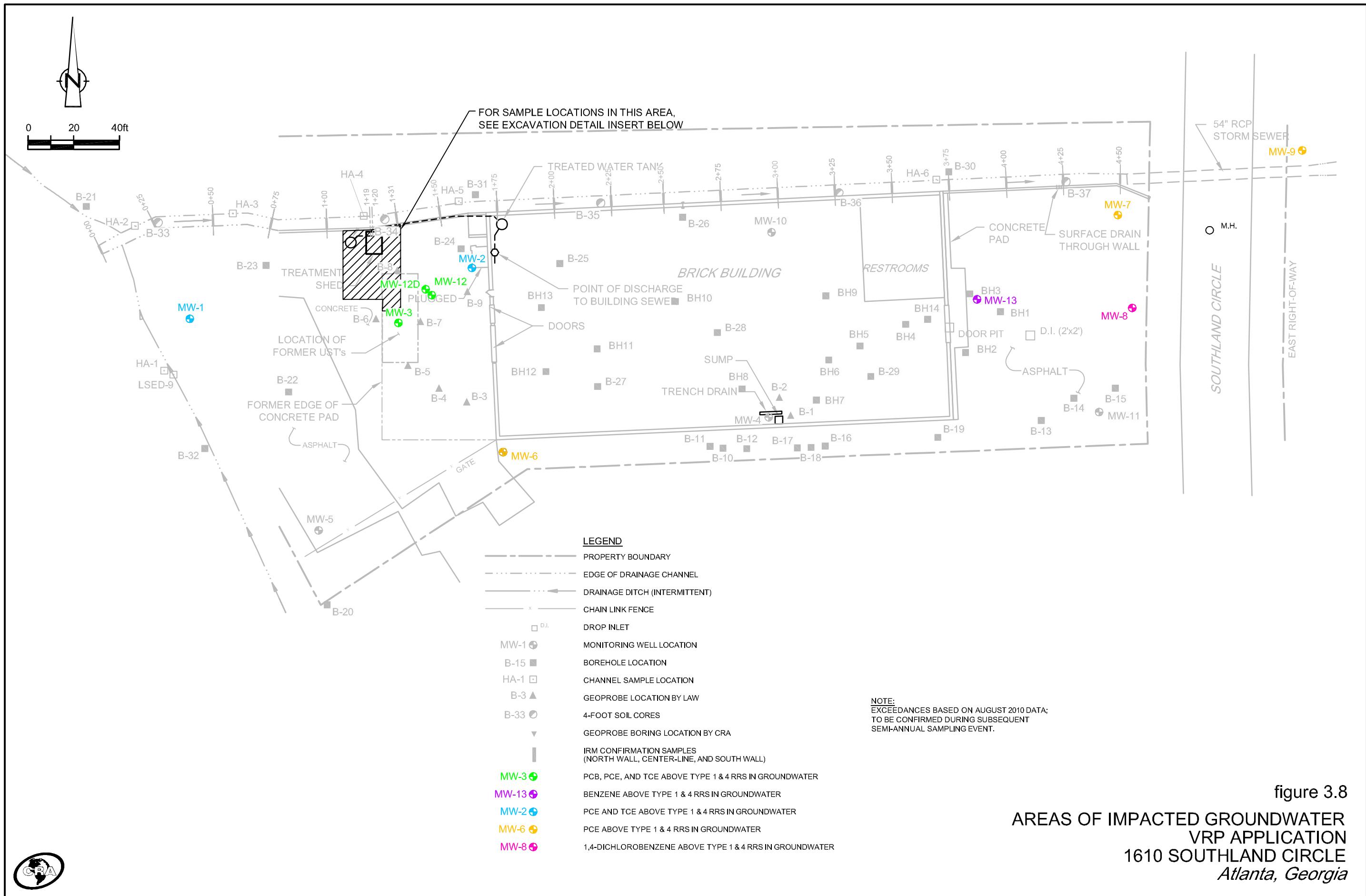
figure 3.5

GROUNDWATER QUALITY
CROSS-SECTION D-D'
1610 SOUTHLAND CIRCLE
Atlanta, Georgia









After Recording Return to:
William H. Dodson, II, Esq.
6000 Lake Forrest Drive, Suite 300
Atlanta, GA 30328
08-055

COPY

STATE OF GEORGIA

COUNTY OF FULTON

L i m i t e d W a r r a n t y D e e d

THIS INDENTURE made this 17th day of November, in the year, Two Thousand-Eight, between GUY T. GUNTER, JR., Individually, as party of the first part, hereinafter called Grantor, and G. T. G. PROPERTIES, LLC, a Georgia limited liability company, as party of the second part, hereinafter collectively called Grantee (the words "Grantor" and "Grantee" to include their respective heirs, successors and assigns where the context requires or permits);

WITNESSETH that: Grantor, for and in consideration of the sum of Ten Dollars and other good and valuable consideration (\$10.00) in hand paid at and before the sealing and delivery of these presents, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, conveyed and confirmed, and by these presents does grant, bargain, sell, alien, convey and confirm unto the said Grantee, the following described property:

All that tract or parcel of land lying and being in Land Lot 192 of the 17th District of Fulton County, Georgia being more particularly described as shown on Exhibit "A" attached hereto and made a part hereof, together with and subject to restrictions and easements of record.

TO HAVE AND TO HOLD the said tract or parcel of land, with all and singular the rights, members and appurtenances thereof, to the same being, belonging, or in anywise appertaining, to the only proper use, benefit and behoof of the said Grantee forever in Fee Simple.

AND THE SAID Grantor will warrant and forever defend the right and title to the above described property unto the said Grantee against the claims of all persons whomsoever claiming by and through the Grantor.

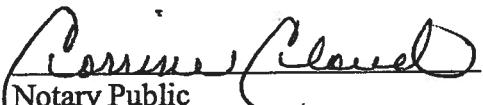
[SIGNATURE APPEARS ON FOLLOWING PAGE]

IN WITNESS WHEREOF, Grantor has hereunto set Grantor's hand and seal this day and year first above written.

Signed, sealed and delivered
in the presence of:



Unofficial Witness



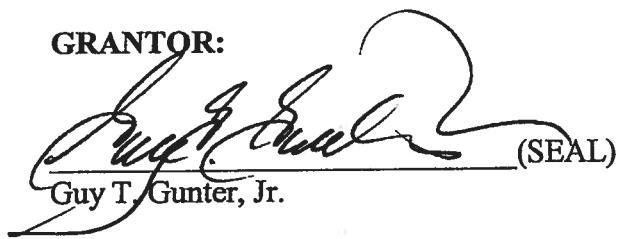
Notary Public

My Commission Expires:

[NOTARIAL SEAL]



GRANTOR:



Guy T. Gunter, Jr. (SEAL)

Exhibit "A"

ALL THAT TRACT OF LAND in Land Lot 192 of the 17th District, Fulton County, Georgia, described as follows:

BEGINNING at an iron pin found on the west right-of-way line of Southland Circle (60 foot right-of-way) which iron pin found is located 172.0 feet south along the west right-of-way line of Southland Circle from the intersection of the west right-of-way line of Southland Circle and the south right-of-way line of Carroll Drive (60 foot right-of-way); thence continuing along the west right-of-way line of Southland Circle South 01 degrees 03 minutes 25 seconds West 106.53 feet to a point; thence along said right- of-way an arc distance of 34.40 feet, said arc being defined by a chord having a bearing of South 01 degree 30 minutes 45 seconds East and a distance of 34.40 feet, to an iron pin set; thence leaving said right- of- way line, South 80 degrees 48 minutes 19 seconds West 274.33 feet to a point; thence South 57 degrees 51 minutes 34 seconds West 108.23 feet to an iron pin set; thence North 26 degrees 39 minutes 14 seconds West 230.0 feet to an iron pin set; thence South 89 degrees 50 minutes 02 seconds East 470.15 feet to the POINT OF BEGINNING, said tract containing approximately 1.52 acres as shown on plat prepared for Mark Swecichowski by Solar Land Surveying Company (John W. Stanzilis, Jr., R. P. L. S. No. 2109), dated July 21, 1997.

cc/whdii
11/14/08

Report for Tax Digest 2008

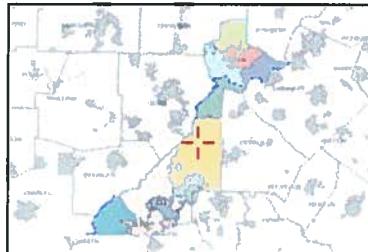
Tax Digest 2008 ▾

Tax Digest 2008
Parcel Id Number 17 -0192- LL-051-6
Property Address 1610 SOUTHLAND CIR NW
Owner Name SIXTEEN TEN SOUTHLAND CIRCLE
Mailing Address 1610 SOUTHLAND CIR NW ATLANTA GA 30318

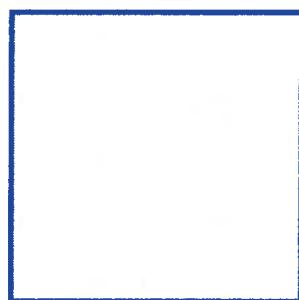
Tax Digest Not Yet Complete
Try earlier Digests for more info

Tax District 05 (Atlanta)
Market Value \$ 979,700
Assessment \$ 391,880
City of Atlanta Exemption Code
Fulton County Exemption Code
Land Assessment \$ 229,080
Improvement Assessment \$ 162,800
Land Size (acres) 1.414
Property Class I3
Landuse Class 398

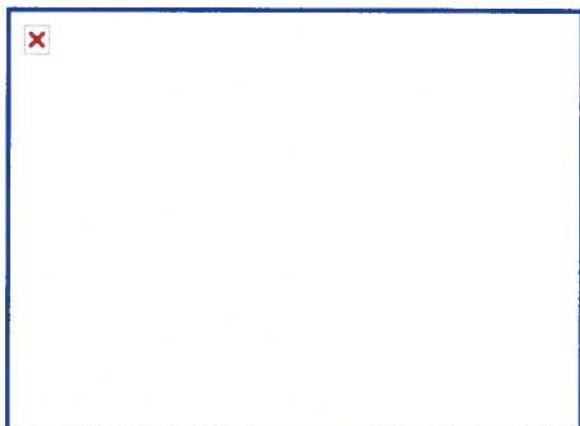
[More info from www.fultonassessor.org](http://www.fultonassessor.org)



Red markers indicate location of property in Fulton County



*Information provided by the
Fulton County Board of Assessors*



click image to enlarge

TABLE 1
GENERIC HSRA RISK REDUCTION STANDARDS (RRS)
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

<i>Regulated Substances</i>	<i>Type 1/3 RRS for Groundwater</i> (mg/L)	<i>Type 4 RRS for Groundwater</i> (mg/L)	<i>Type 3 RRS for Soil</i> (mg/kg)	<i>Type 4 RRS for Soil</i> (mg/kg)	<i>RRS for Surface Water (1)</i> (mg/L)
<u>VOCS</u>					
1,1,1-Trichloroethane	2.00E-01	1.36E+01	2.00E+01	2.00E+01	NV
1,1,2-Trichloroethane	5.00E-03	4.64E-02	5.00E-01	5.00E-01	4.20E-02
1,1-Dichloroethane	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
1,1-Dichloroethene	7.00E-03	5.24E-01	7.00E-01	7.00E-01	3.20E-03
1,2-Dichloroethane	5.00E-03	5.00E-03	5.00E-01	5.00E-01	9.90E-02
Acetone	4.00E+00	4.56E+01	4.00E+02	4.00E+02	NV
Benzene	5.00E-03	8.72E-03	5.00E-01	5.00E-01	7.10E-02
Bromomethane (methyl bromide)	1.00E-02	1.32E-02	1.00E+00	1.00E+00	4.00E+00
Carbon disulfide	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
Chlorobenzene	1.00E-01	1.36E-01	1.00E+01	1.00E+01	2.10E+01
Chloroethane	1.00E-02	2.92E+01	1.00E+00	8.31E+00	NV
Chloroform	1.00E-01	1.00E-01	1.00E+01	1.00E+01	0.47
Chloromethane (methyl chloride)	3.00E-03	2.63E-01	3.00E-01	3.00E-01	NV
cis-1,2-Dichloroethene	7.00E-02	1.02E+00	7.00E+00	7.00E+00	NV
Cyclohexane	5.00E-03	1.75E+01	2.00E+01	2.00E+01	NV
Dibromochloromethane	1.00E-01	1.00E-01	1.00E+01	1.00E+01	3.40E-02
Ethylbenzene	7.00E-01	7.00E-01	7.00E+01	7.00E+01	2.90E+01
Isopropylbenzene (cumene)	5.00E-03	1.05E+00	2.19E+01	2.19E+01	NV
m-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Methylene chloride	5.00E-03	1.19E-01	5.00E-01	5.00E-01	1.60E+00
o-Xylene	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
p-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Tetrachloroethene	5.00E-03	5.00E-03	5.00E-01	5.00E-01	8.85E-03
Toluene	1.00E+00	5.24E+00	1.00E+02	1.00E+02	2.00E+02
trans-1,2-Dichloroethene	1.00E-01	1.61E-01	1.00E+01	1.00E+01	1.40E+02
Trichloroethene	5.00E-03	3.77E-02	5.00E-01	5.00E-01	8.10E-02
Trichlorofluoromethane	2.00E+00	2.00E+00	2.00E+02	2.00E+02	NV
Vinyl chloride	2.00E-03	3.27E-03	2.00E-01	2.00E-01	5.25E+02
Xylenes (Total)	1.00E+01	1.00E+01	1.00E+03	1.00E+03	NV
<u>SVOCs</u>					
1,2,3-Trichlorobenzene	5.00E-03	8.18E-02	1.08E+01	1.08E+01	NV
1,2,4-Trichlorobenzene	7.00E-02	7.00E-02	1.08E+01	1.08E+01	9.40E-01
1,2-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	1.70E+01
1,3-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	2.60E+00
1,4-Dichlorobenzene	7.50E-02	7.50E-02	7.50E+00	7.50E+00	2.60E+00
Fluorene	1.00E+00	4.09E+00	3.60E+02	3.60E+02	1.40E+01
Naphthalene	2.00E-02	2.00E-02	1.00E+02	1.00E+02	NV
Phenanthrene	1.00E-02	1.00E-02	1.10E+02	1.10E+02	NV
<u>PCBs</u>					
Aroclor-1016	5.00E-04	3.72E-03	1.55E+00	1.55E+00	1.70E-07
Aroclor-1221	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1232	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1242	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1248	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1254	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1260	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07

Notes:

NV - No value established.

(1) GEPD Rule 391-3-6-.03(5), In-Stream Water Quality Criteria (February 2009).

TABLE 3A
CALCULATION OF SOIL LEACHING CRITERION (CRITERION d.1) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Soil Leaching Criterion (Criterion d.1); USEPA, 1996 = $C_w \times [K_d + (O_w + O_a \times H)/P_b]$

where :

<i>C_w</i>	chemical specific	
<i>K_d</i>	chemical specific	= <i>K_{oc}</i> × <i>F_{oc}</i> ; where <i>F_{oc}</i> = 0.002 (0.2%)
<i>O_w</i>	0.3	
<i>O_a</i>	<i>n</i> - <i>O_w</i>	0.13
<i>n</i>	1-(<i>P_b</i> / <i>P_s</i>)	0.43
<i>P_b</i>	1.5	
<i>P_s</i>	2.65	
<i>H</i>	chemical specific	

USEPA, 1996: Soil Screening Level Partitioning Equation for Migration to Ground Water, Equation 10, Soil Screening Guidance, 9355.4-23, July 1996.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for ***K_{oc}*** or ***K_d*** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for ***K_{oc}*** or ***K_d*** were taken from RAIS Website (<http://rais.ornl.gov/>)

	<i>Soil Leaching Criterion d.1</i>	<i>GW RRSs (default Type 2)</i>	<i>Partition Coefficient (I)</i>	<i>K_{oc} (I)</i>	<i>Henry Law's Constant dimensionless</i>
	mg/kg	mg/L	L/kg	L/kg	
<u>VOCS</u>					
1,1,1-Trichloroethane	4.78E+00	1.36E+01	8.78E-02	4.39E+01	7.05E-01
1,1,2-Trichloroethane	1.50E-02	4.64E-02	1.21E-01	6.07E+01	3.38E-02
1,1-Dichloroethane	1.14E+00	4.00E+00	6.36E-02	3.18E+01	2.30E-01
1,1-Dichloroethene	1.88E-01	5.24E-01	6.36E-02	3.18E+01	1.07E+00
1,2-Dichloroethane	1.42E-03	5.00E-03	7.92E-02	3.96E+01	4.84E-02
Acetone	9.35E+00	4.56E+01	4.73E-03	2.36E+00	1.44E-03
Benzene	4.47E-03	8.72E-03	2.92E-01	1.46E+02	2.28E-01
Bromomethane	3.36E-03	1.32E-02	2.64E-02	1.32E+01	3.01E-01
Carbon disulfide	1.19E+00	4.00E+00	4.39E-02	2.19E+01	5.90E-01
Chlorobenzene	9.26E-02	1.36E-01	4.68E-01	2.34E+02	1.28E-01
Chloroethane	8.31E+00	2.92E+01	4.39E-02	2.19E+01	4.55E-01
Chloroform	2.77E-02	1.00E-01	6.36E-02	3.18E+01	1.50E-01
Chloromethane (methyl chloride)	6.80E-02	2.63E-01	2.64E-02	1.32E+01	3.62E-01
cis-1,2-Dichloroethene	3.01E-01	1.02E+00	7.92E-02	3.96E+01	1.67E-01
Cyclohexane	1.82E+01	1.75E+01	2.92E-01	1.46E+02	6.15E+00
Dibromochloromethane	2.67E-02	1.00E-01	6.36E-02	3.18E+01	3.21E-02
Ethylbenzene	7.85E-01	7.00E-01	8.92E-01	4.46E+02	3.23E-01
Isopropylbenzene (cumene)	1.72E+00	1.05E+00	1.40E+00	6.98E+02	4.72E-01
m-Xylenes	1.82E+00	1.86E+00	7.51E-01	3.75E+02	2.94E-01
Methylene chloride	3.06E-02	1.19E-01	4.39E-02	2.19E+01	1.33E-01
o-Xylene	1.83E+00	1.86E+00	7.66E-01	3.83E+02	2.12E-01
p-Xylenes	1.81E+00	1.86E+00	7.51E-01	3.75E+02	2.83E-01
Tetrachloroethene	2.27E-03	5.00E-03	1.90E-01	9.49E+01	7.26E-01
Toluene	3.63E+00	5.24E+00	4.68E-01	2.34E+02	2.72E-01
trans-1,2-Dichloroethene	4.75E-02	1.61E-01	7.92E-02	3.96E+01	1.67E-01
Trichloroethene	1.35E-02	3.77E-02	1.21E-01	6.07E+01	4.04E-01
Trichlorofluoromethane	1.29E+00	2.00E+00	8.78E-02	4.39E+01	3.98E+00
Vinyl chloride	1.13E-03	3.27E-03	4.35E-02	2.17E+01	1.14E+00
Xylenes (Total)	9.85E+00	1.00E+01	7.66E-01	3.83E+02	2.12E-01

TABLE 3A
CALCULATION OF SOIL LEACHING CRITERION (CRITERION d.1) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Soil Leaching Criterion (Criterion d.1); USEPA, 1996 = $C_w \times [K_d + (O_w + O_a \times H)/P_b]$

where :

C_w	chemical specific	
K_d	chemical specific	= $K_{oc} \times F_{oc}$; where $F_{oc} = 0.002$ (0.2%)
O_w	0.3	
O_a	$n \cdot O_w$	0.13
n	$1 - (P_b/P_s)$	0.43
P_b	1.5	
P_s	2.65	
H	chemical specific	

USEPA, 1996: Soil Screening Level Partitioning Equation for Migration to Ground Water, Equation 10, Soil Screening Guidance, 9355.4-23, July 1996.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for **Koc** or **Kd** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **Koc** or **Kd** were taken from RAIS Website (<http://rais.ornl.gov/>)

	<i>Soil Leaching Criterion d.1</i>	<i>GW RRSs (default Type 2)</i>	<i>Partition Coefficient (I)</i>	<i>Koc (I)</i>	<i>Henry Law's Constant dimensionless</i>
	mg/kg	mg/L	L/kg	L/kg	
<u>SVOCs</u>					
1,2,3-Trichlorobenzene	2.42E-01	8.18E-02	2.76E+00	<u>1.38E+03</u>	<u>5.11E-02</u>
1,2,4-Trichlorobenzene	2.04E-01	7.00E-02	2.71E+00	1.36E+03	5.82E-02
1,2-Dichlorobenzene	5.84E-01	6.00E-01	7.66E-01	3.83E+02	7.87E-02
1,3-Dichlorobenzene	5.76E-01	6.00E-01	7.50E-01	<u>3.75E+02</u>	<u>1.08E-01</u>
1,4-Dichlorobenzene	7.20E-02	7.50E-02	7.51E-01	3.75E+02	9.88E-02
Fluorene	7.57E+01	4.09E+00	1.83E+01	9.16E+03	3.94E-03
Naphthalene	6.58E-02	2.00E-02	3.09E+00	1.54E+03	1.80E-02
Phenanthrene	3.36E-01	1.00E-02	3.34E+01	<u>1.67E+04</u>	<u>1.73E-03</u>
<u>PCBs</u>					
Aroclor-1016	3.55E-01	3.72E-03	9.54E+01	4.77E+04	8.20E-03
Aroclor-1221	8.50E-03	5.00E-04	1.68E+01	8.40E+03	3.02E-02
Aroclor-1232	8.50E-03	5.00E-04	1.68E+01	8.40E+03	3.02E-02
Aroclor-1242	7.82E-02	5.00E-04	1.56E+02	7.81E+04	7.79E-03
Aroclor-1248	7.66E-02	5.00E-04	1.53E+02	7.65E+04	1.80E-02
Aroclor-1254	1.31E-01	5.00E-04	2.61E+02	1.31E+05	1.16E-02
Aroclor-1260	3.50E-01	5.00E-04	6.99E+02	3.50E+05	1.38E-02

TABLE 3B
CALCULATION OF VOLATILIZATION FACTOR (VF) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

$$VF \left(\frac{m^3}{kg} \right) = \frac{(LS \times V \times DH)}{A} \times \frac{\left(3.14 \times \alpha \times T \right)^{1/2}}{\left(2 \times D_{ei} \times E \times K_{as} \times 10^3 \frac{kg}{g} \right)}$$

where:

$$\alpha \left(\frac{cm^2}{s} \right) = \left(D_{ei} \times E \right) / \left(E + [p_s(1-E)/K_{as}] \right)$$

$$LS / \text{length of side of contaminated area (m}^2\text{)} = 4.50E+01$$

$$V / \text{wind speed in mixing zone (m/s)} = 2.25E+00$$

$$DH / \text{diffusion height (m)} = 2.00E+00$$

$$A / \text{area of contamination (cm}^2\text{)} = 2.03E+07$$

$$T / \text{exposure interval (s)} = 7.88E+08 \quad (= 25 \text{ yrs})$$

$$p_s / \text{density of soil solids (g/cm}^3\text{)} = 2.65E+00$$

$$OC / \text{soil organic carbon content fraction (unitless)} = 2.00E-02$$

$$D_{ei} / \text{effective diffusivity (cm}^2/\text{s)} = D_i \times E^{0.33}$$

$$D_i / \text{Molecular Diffusivity (cm}^2/\text{s)} = \text{chemical specific}$$

$$E / \text{total soil porosity (unitless)} = 3.50E-01$$

$$K_{as} / \text{soil/ air partition coefficient (g soil/cm}^3 \text{ air)} = (H/K_d) \times 41$$

$$K_d / \text{soil-water partition coefficient (cm}^3/\text{g)} = Koc \times Foc; \text{ where } Foc = 0.02 \text{ (2\%)}$$

$$H / \text{Henry's Law Constant (atm-m}^3/\text{mol)} = \text{chemical specific}$$

$$Koc / \text{organic carbon partition coefficient (cm}^3/\text{g)} = \text{chemical specific}$$

Assumptions:

Uses default values from Rule 391-3-19 , Appendix III, Table 3.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for **D_i, H, Koc, and Kd** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **D_i, H, Koc, and Kd** were taken from RAIS Website (<http://rais.ornl.gov/>)

VOCS	Parameters	D _i ⁽¹⁾	D _{ei}	H ⁽¹⁾	Koc ⁽¹⁾	K _d	K _{as}	alpha	VF
1,1,1-Trichloroethane		6.50E-02	4.60E-02	1.72E-02	4.39E+01	8.78E-01	8.03E-01	6.45E-03	1.54E+03
1,1,2-Trichloroethane		6.70E-02	4.74E-02	8.24E-04	6.07E+01	1.21E+00	2.78E-02	2.66E-04	8.78E+03
1,1-Dichloroethane		8.40E-02	5.94E-02	5.62E-03	3.18E+01	6.36E-01	3.62E-01	4.07E-03	2.10E+03
1,1-Dichloroethene		8.60E-02	6.08E-02	2.61E-02	3.18E+01	6.36E-01	1.68E+00	1.55E-02	8.63E+02
1,2-Dichloroethane		8.60E-02	6.08E-02	1.18E-03	3.96E+01	7.92E-01	6.11E-02	7.46E-04	5.21E+03
Acetone		1.10E-01	7.78E-02	3.50E-05	2.36E+00	4.73E-02	3.04E-02	4.77E-04	6.56E+03
Benzene		9.00E-02	6.36E-02	5.55E-03	1.46E+02	2.92E+00	7.80E-02	9.93E-04	4.50E+03
Bromomethane		1.00E-01	7.07E-02	7.34E-03	1.32E+01	2.64E-01	1.14E+00	1.33E-02	1.02E+03
Carbon disulfide		1.10E-01	7.78E-02	1.44E-02	2.19E+01	4.39E-01	1.35E+00	1.67E-02	8.75E+02
Chlorobenzene		7.20E-02	5.09E-02	3.11E-03	2.34E+02	4.68E+00	2.73E-02	2.80E-04	8.56E+03
Chloroethane		1.00E-01	7.07E-02	1.11E-02	2.19E+01	4.39E-01	1.04E+00	1.23E-02	1.07E+03
Chloroform		7.70E-02	5.45E-02	3.67E-03	3.18E+01	6.36E-01	2.36E-01	2.50E-03	2.75E+03
Chloromethane (methyl chloride)		1.20E-01	8.49E-02	8.82E-03	1.32E+01	2.64E-01	1.37E+00	1.85E-02	8.30E+02
cis-1,2-Dichloroethene		8.80E-02	6.22E-02	4.08E-03	3.96E+01	7.92E-01	2.11E-01	2.56E-03	2.73E+03
Cyclohexane		8.00E-02	5.66E-02	1.50E-01	1.46E+02	2.92E+00	2.11E+00	1.70E-02	7.74E+02
Dibromochloromethane		3.70E-02	2.62E-02	7.83E-04	3.18E+01	6.36E-01	5.04E-02	2.65E-04	8.75E+03
Ethylbenzene		6.80E-02	4.81E-02	7.88E-03	4.46E+02	8.92E+00	3.62E-02	3.51E-04	7.63E+03
Isopropylbenzene (cumene)		6.00E-02	4.24E-02	1.15E-02	6.98E+02	1.40E+01	3.38E-02	2.89E-04	8.41E+03
m-Xylenes		6.80E-02	4.81E-02	7.18E-03	3.75E+02	7.51E+00	3.92E-02	3.80E-04	7.33E+03
Methylene chloride		1.00E-01	7.07E-02	3.25E-03	2.19E+01	4.39E-01	3.04E-01	4.11E-03	2.12E+03
o-Xylene		6.90E-02	4.88E-02	5.18E-03	3.83E+02	7.66E+00	2.77E-02	2.73E-04	8.66E+03
p-Xylenes		6.80E-02	4.81E-02	6.90E-03	3.75E+02	7.51E+00	3.77E-02	3.65E-04	7.48E+03
Tetrachloroethene		5.00E-02	3.54E-02	1.77E-02	9.49E+01	1.90E+00	3.82E-01	2.55E-03	2.65E+03
Toluene		7.80E-02	5.52E-02	6.64E-03	2.34E+02	4.68E+00	5.82E-02	6.45E-04	5.61E+03
trans-1,2-Dichloroethene		8.80E-02	6.22E-02	4.08E-03	3.96E+01	7.92E-01	2.11E-01	2.56E-03	2.73E+03
Trichloroethene		6.90E-02	4.88E-02	9.85E-03	6.07E+01	1.21E+00	3.33E-01	3.09E-03	2.43E+03
Trichlorofluoromethane		6.50E-02	4.60E-02	9.70E-02	4.39E+01	8.78E-01	4.53E+00	2.20E-02	5.05E+02
Vinyl chloride		1.10E-01	7.78E-02	2.78E-02	2.17E+01	4.35E-01	2.62E+00	2.70E-02	5.72E+02
Xylenes (Total)		8.50E-02	6.01E-02	5.18E-03	3.83E+02	7.66E+00	2.77E-02	3.37E-04	7.81E+03

TABLE 3B
CALCULATION OF VOLATILIZATION FACTOR (VF) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

$$VF \left(\frac{m^3}{kg} \right) = \frac{(LS \times V \times DH)}{A} \times \frac{\left(3.14 \times \alpha \times T \right)^{1/2}}{\left(2 \times D_{ei} \times E \times K_{as} \times 10^3 \frac{kg}{g} \right)}$$

where:

$$\alpha \left(\frac{cm^2}{s} \right) = \left(D_{ei} \times E \right) / \left(E + [p_s(1-E)/K_{as}] \right)$$

$$LS / \text{length of side of contaminated area } (m^2) = 4.50E+01$$

$$V / \text{wind speed in mixing zone } (m/s) = 2.25E+00$$

$$DH / \text{diffusion height } (m) = 2.00E+00$$

$$A / \text{area of contamination } (cm^2) = 2.03E+07$$

$$T / \text{exposure interval } (s) = 7.88E+08 \quad (= 25 \text{ yrs})$$

$$p_s / \text{density of soil solids } (g/cm^3) = 2.65E+00$$

$$OC / \text{soil organic carbon content fraction (unitless)} = 2.00E-02$$

$$D_{ei} / \text{effective diffusivity } (cm^2/s) = D_i \times E^{0.33}$$

$$D_i / \text{Molecular Diffusivity } (cm^2/s) = \text{chemical specific}$$

$$E / \text{total soil porosity (unitless)} = 3.50E-01$$

$$K_{as} / \text{soil/ air partition coefficient } (g \text{ soil/ cm}^3 \text{ air}) = (H/K_d) \times 41$$

$$K_d / \text{soil-water partition coefficient } (cm^3/g) = Koc \times Foc; \text{ where } Foc = 0.02 \text{ (2\%)} \quad H / \text{Henry's Law Constant } (atm \cdot m^3/mol) = \text{chemical specific}$$

$$Koc / \text{organic carbon partition coefficient } (cm^3/g) = \text{chemical specific}$$

Assumptions:

Uses default values from Rule 391-3-19 , Appendix III, Table 3.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for **D_i, H, K_{oc}, and K_d** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **D_i, H, K_{oc}, and K_d** were taken from RAIS Website (<http://rais.ornl.gov/>)

	Parameters	D _i ⁽¹⁾	D _{ei}	H ⁽¹⁾	K _{oc} ⁽¹⁾	K _d	K _{as}	alpha	VF
SVOCS									
1,2,3-Trichlorobenzene	3.95E-02	2.79E-02	1.25E-03	1.38E+03	2.76E+01	1.85E-03	1.05E-05	4.44E+04	
1,2,4-Trichlorobenzene	4.00E-02	2.83E-02	1.42E-03	1.36E+03	2.71E+01	2.15E-03	1.23E-05	4.10E+04	
1,2-Dichlorobenzene	5.60E-02	3.96E-02	1.92E-03	3.83E+02	7.66E+00	1.03E-02	8.25E-05	1.58E+04	
1,3-Dichlorobenzene	5.58E-02	3.95E-02	2.63E-03	3.75E+02	7.50E+00	1.44E-02	1.15E-04	1.34E+04	
1,4-Dichlorobenzene	5.50E-02	3.89E-02	2.41E-03	3.75E+02	7.51E+00	1.32E-02	1.04E-04	1.41E+04	
Fluorene	4.40E-02	3.11E-02	9.62E-05	9.16E+03	1.83E+02	2.15E-05	1.36E-07	3.90E+05	
Naphthalene	6.00E-02	4.24E-02	4.40E-04	1.54E+03	3.09E+01	5.84E-04	5.04E-06	6.42E+04	
Phenanthrene	NA	NA	4.22E-05	1.67E+04	3.34E+02	5.18E-06	NV	NV	
PCBs									
Aroclor-1016	NA	NA	2.00E-04	4.77E+04	9.54E+02	8.60E-06	NV	NV	
Aroclor-1221	5.80E-02	4.10E-02	7.36E-04	8.40E+03	1.68E+02	1.80E-04	1.50E-06	1.18E+05	
Aroclor-1232	5.80E-02	4.10E-02	7.36E-04	8.40E+03	1.68E+02	1.80E-04	1.50E-06	1.18E+05	
Aroclor-1242	NA	NA	1.90E-04	7.81E+04	1.56E+03	4.99E-06	NV	NV	
Aroclor-1248	NA	NA	4.40E-04	7.65E+04	1.53E+03	1.18E-05	NV	NV	
Aroclor-1254	NA	NA	2.83E-04	1.31E+05	2.61E+03	4.45E-06	NV	NV	
Aroclor-1260	NA	NA	3.36E-04	3.50E+05	6.99E+03	1.97E-06	NV	NV	

TABLE 1
GENERIC HSRA RISK REDUCTION STANDARDS (RRS)
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

<i>Regulated Substances</i>	<i>Type 1/3 RRS for Groundwater</i> (mg/L)	<i>Type 4 RRS for Groundwater</i> (mg/L)	<i>Type 3 RRS for Soil</i> (mg/kg)	<i>Type 4 RRS for Soil</i> (mg/kg)	<i>RRS for Surface Water (1)</i> (mg/L)
<u>VOCS</u>					
1,1,1-Trichloroethane	2.00E-01	1.36E+01	2.00E+01	2.00E+01	NV
1,1,2-Trichloroethane	5.00E-03	4.64E-02	5.00E-01	5.00E-01	4.20E-02
1,1-Dichloroethane	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
1,1-Dichloroethene	7.00E-03	5.24E-01	7.00E-01	7.00E-01	3.20E-03
1,2-Dichloroethane	5.00E-03	5.00E-03	5.00E-01	5.00E-01	9.90E-02
Acetone	4.00E+00	4.56E+01	4.00E+02	4.00E+02	NV
Benzene	5.00E-03	8.72E-03	5.00E-01	5.00E-01	7.10E-02
Bromomethane (methyl bromide)	1.00E-02	1.32E-02	1.00E+00	1.00E+00	4.00E+00
Carbon disulfide	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
Chlorobenzene	1.00E-01	1.36E-01	1.00E+01	1.00E+01	2.10E+01
Chloroethane	1.00E-02	2.92E+01	1.00E+00	8.31E+00	NV
Chloroform	1.00E-01	1.00E-01	1.00E+01	1.00E+01	0.47
Chloromethane (methyl chloride)	3.00E-03	2.63E-01	3.00E-01	3.00E-01	NV
cis-1,2-Dichloroethene	7.00E-02	1.02E+00	7.00E+00	7.00E+00	NV
Cyclohexane	5.00E-03	1.75E+01	2.00E+01	2.00E+01	NV
Dibromochloromethane	1.00E-01	1.00E-01	1.00E+01	1.00E+01	3.40E-02
Ethylbenzene	7.00E-01	7.00E-01	7.00E+01	7.00E+01	2.90E+01
Isopropylbenzene (cumene)	5.00E-03	1.05E+00	2.19E+01	2.19E+01	NV
m-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Methylene chloride	5.00E-03	1.19E-01	5.00E-01	5.00E-01	1.60E+00
o-Xylene	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
p-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Tetrachloroethene	5.00E-03	5.00E-03	5.00E-01	5.00E-01	8.85E-03
Toluene	1.00E+00	5.24E+00	1.00E+02	1.00E+02	2.00E+02
trans-1,2-Dichloroethene	1.00E-01	1.61E-01	1.00E+01	1.00E+01	1.40E+02
Trichloroethene	5.00E-03	3.77E-02	5.00E-01	5.00E-01	8.10E-02
Trichlorofluoromethane	2.00E+00	2.00E+00	2.00E+02	2.00E+02	NV
Vinyl chloride	2.00E-03	3.27E-03	2.00E-01	2.00E-01	5.25E+02
Xylenes (Total)	1.00E+01	1.00E+01	1.00E+03	1.00E+03	NV
<u>SVOCs</u>					
1,2,3-Trichlorobenzene	5.00E-03	8.18E-02	1.08E+01	1.08E+01	NV
1,2,4-Trichlorobenzene	7.00E-02	7.00E-02	1.08E+01	1.08E+01	9.40E-01
1,2-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	1.70E+01
1,3-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	2.60E+00
1,4-Dichlorobenzene	7.50E-02	7.50E-02	7.50E+00	7.50E+00	2.60E+00
Fluorene	1.00E+00	4.09E+00	3.60E+02	3.60E+02	1.40E+01
Naphthalene	2.00E-02	2.00E-02	1.00E+02	1.00E+02	NV
Phenanthrene	1.00E-02	1.00E-02	1.10E+02	1.10E+02	NV
<u>PCBs</u>					
Aroclor-1016	5.00E-04	3.72E-03	1.55E+00	1.55E+00	1.70E-07
Aroclor-1221	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1232	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1242	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1248	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1254	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1260	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07

Notes:

NV - No value established.

(1) GEPD Rule 391-3-6-.03(5), In-Stream Water Quality Criteria (February 2009).

TABLE 1
GENERIC HSRA RISK REDUCTION STANDARDS (RRS)
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

<i>Regulated Substances</i>	<i>Type 1/3 RRS for Groundwater</i> (mg/L)	<i>Type 4 RRS for Groundwater</i> (mg/L)	<i>Type 3 RRS for Soil</i> (mg/kg)	<i>Type 4 RRS for Soil</i> (mg/kg)	<i>RRS for Surface Water (1)</i> (mg/L)
<u>VOCS</u>					
1,1,1-Trichloroethane	2.00E-01	1.36E+01	2.00E+01	2.00E+01	NV
1,1,2-Trichloroethane	5.00E-03	4.64E-02	5.00E-01	5.00E-01	4.20E-02
1,1-Dichloroethane	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
1,1-Dichloroethene	7.00E-03	5.24E-01	7.00E-01	7.00E-01	3.20E-03
1,2-Dichloroethane	5.00E-03	5.00E-03	5.00E-01	5.00E-01	9.90E-02
Acetone	4.00E+00	4.56E+01	4.00E+02	4.00E+02	NV
Benzene	5.00E-03	8.72E-03	5.00E-01	5.00E-01	7.10E-02
Bromomethane (methyl bromide)	1.00E-02	1.32E-02	1.00E+00	1.00E+00	4.00E+00
Carbon disulfide	4.00E+00	4.00E+00	4.00E+02	4.00E+02	NV
Chlorobenzene	1.00E-01	1.36E-01	1.00E+01	1.00E+01	2.10E+01
Chloroethane	1.00E-02	2.92E+01	1.00E+00	8.31E+00	NV
Chloroform	1.00E-01	1.00E-01	1.00E+01	1.00E+01	0.47
Chloromethane (methyl chloride)	3.00E-03	2.63E-01	3.00E-01	3.00E-01	NV
cis-1,2-Dichloroethene	7.00E-02	1.02E+00	7.00E+00	7.00E+00	NV
Cyclohexane	5.00E-03	1.75E+01	2.00E+01	2.00E+01	NV
Dibromochloromethane	1.00E-01	1.00E-01	1.00E+01	1.00E+01	3.40E-02
Ethylbenzene	7.00E-01	7.00E-01	7.00E+01	7.00E+01	2.90E+01
Isopropylbenzene (cumene)	5.00E-03	1.05E+00	2.19E+01	2.19E+01	NV
m-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Methylene chloride	5.00E-03	1.19E-01	5.00E-01	5.00E-01	1.60E+00
o-Xylene	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
p-Xylenes	5.00E-03	1.86E+00	2.00E+01	2.00E+01	NV
Tetrachloroethene	5.00E-03	5.00E-03	5.00E-01	5.00E-01	8.85E-03
Toluene	1.00E+00	5.24E+00	1.00E+02	1.00E+02	2.00E+02
trans-1,2-Dichloroethene	1.00E-01	1.61E-01	1.00E+01	1.00E+01	1.40E+02
Trichloroethene	5.00E-03	3.77E-02	5.00E-01	5.00E-01	8.10E-02
Trichlorofluoromethane	2.00E+00	2.00E+00	2.00E+02	2.00E+02	NV
Vinyl chloride	2.00E-03	3.27E-03	2.00E-01	2.00E-01	5.25E+02
Xylenes (Total)	1.00E+01	1.00E+01	1.00E+03	1.00E+03	NV
<u>SVOCs</u>					
1,2,3-Trichlorobenzene	5.00E-03	8.18E-02	1.08E+01	1.08E+01	NV
1,2,4-Trichlorobenzene	7.00E-02	7.00E-02	1.08E+01	1.08E+01	9.40E-01
1,2-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	1.70E+01
1,3-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	2.60E+00
1,4-Dichlorobenzene	7.50E-02	7.50E-02	7.50E+00	7.50E+00	2.60E+00
Fluorene	1.00E+00	4.09E+00	3.60E+02	3.60E+02	1.40E+01
Naphthalene	2.00E-02	2.00E-02	1.00E+02	1.00E+02	NV
Phenanthrene	1.00E-02	1.00E-02	1.10E+02	1.10E+02	NV
<u>PCBs</u>					
Aroclor-1016	5.00E-04	3.72E-03	1.55E+00	1.55E+00	1.70E-07
Aroclor-1221	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1232	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1242	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1248	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1254	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07
Aroclor-1260	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.70E-07

Notes:

NV - No value established.

(1) GEPD Rule 391-3-6-.03(5), In-Stream Water Quality Criteria (February 2009).

<i>Type 4 RRS Target Concentrations (mg/kg)</i>
2.00E+01
5.00E-01
4.00E+02
7.00E-01
5.00E-01
4.00E+02
5.00E-01
1.00E+00
4.00E+02
1.00E+01
8.31E+00
1.00E+01
3.00E-01
7.00E+00
2.00E+01
1.00E+01
7.00E+01
2.19E+01
2.00E+01
5.00E-01
2.00E+01
2.00E+01
5.00E-01
1.00E+02
1.00E+01
5.00E-01
2.00E+02
2.00E-01
1.00E+03
1.08E+01
1.08E+01
6.00E+01
6.00E+01
7.50E+00
3.60E+02
1.00E+02
1.10E+02
1.55E+00

TABLE 3A
CALCULATION OF SOIL LEACHING CRITERION (CRITERION d.1) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Soil Leaching Criterion (Criterion d.1); USEPA, 1996 = $C_w \times [K_d + (O_w + O_a \times H)/P_b]$

where :

<i>C_w</i>	chemical specific	
<i>K_d</i>	chemical specific	= <i>K_{oc}</i> × <i>F_{oc}</i> ; where <i>F_{oc}</i> = 0.002 (0.2%)
<i>O_w</i>	0.3	
<i>O_a</i>	n- <i>O_w</i>	0.13
<i>n</i>	1-(<i>P_b</i> / <i>P_s</i>)	0.43
<i>P_b</i>	1.5	
<i>P_s</i>	2.65	
<i>H</i>	chemical specific	

USEPA, 1996: Soil Screening Level Partitioning Equation for Migration to Ground Water, Equation 10, Soil Screening Guidance, 9355.4-23, July 1996.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for **K_{oc}** or **K_d** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **K_{oc}** or **K_d** were taken from RAIS Website (<http://rais.ornl.gov/>)

	<i>Soil Leaching Criterion d.1</i> <i>mg/kg</i>	<i>GW RRSs (default Type 2)</i> <i>mg/L</i>	<i>Partition Coefficient (I)</i> <i>L/kg</i>	<i>K_{oc} (I)</i> <i>L/kg</i>	<i>Henry Law's Constant</i> <i>dimensionless</i>
<u>VOCS</u>					
1,1,1-Trichloroethane	4.78E+00	1.36E+01	8.78E-02	4.39E+01	7.05E-01
1,1,2-Trichloroethane	1.50E-02	4.64E-02	1.21E-01	6.07E+01	3.38E-02
1,1-Dichloroethane	1.14E+00	4.00E+00	6.36E-02	3.18E+01	2.30E-01
1,1-Dichloroethene	1.88E-01	5.24E-01	6.36E-02	3.18E+01	1.07E+00
1,2-Dichloroethane	1.42E-03	5.00E-03	7.92E-02	3.96E+01	4.84E-02
Acetone	9.35E+00	4.56E+01	4.73E-03	2.36E+00	1.44E-03
Benzene	4.47E-03	8.72E-03	2.92E-01	1.46E+02	2.28E-01
Bromomethane	3.36E-03	1.32E-02	2.64E-02	1.32E+01	3.01E-01
Carbon disulfide	1.19E+00	4.00E+00	4.39E-02	2.19E+01	5.90E-01
Chlorobenzene	9.26E-02	1.36E-01	4.68E-01	2.34E+02	1.28E-01
Chloroethane	8.31E+00	2.92E+01	4.39E-02	2.19E+01	4.55E-01
Chloroform	2.77E-02	1.00E-01	6.36E-02	3.18E+01	1.50E-01
Chloromethane (methyl chloride)	6.80E-02	2.63E-01	2.64E-02	1.32E+01	3.62E-01
cis-1,2-Dichloroethene	3.01E-01	1.02E+00	7.92E-02	3.96E+01	1.67E-01
Cyclohexane	1.82E+01	1.75E+01	2.92E-01	1.46E+02	6.15E+00
Dibromochloromethane	2.67E-02	1.00E-01	6.36E-02	3.18E+01	3.21E-02
Ethylbenzene	7.85E-01	7.00E-01	8.92E-01	4.46E+02	3.23E-01
Isopropylbenzene (cumene)	1.72E+00	1.05E+00	1.40E+00	6.98E+02	4.72E-01
m-Xylenes	1.82E+00	1.86E+00	7.51E-01	3.75E+02	2.94E-01
Methylene chloride	3.06E-02	1.19E-01	4.39E-02	2.19E+01	1.33E-01
o-Xylene	1.83E+00	1.86E+00	7.66E-01	3.83E+02	2.12E-01
p-Xylenes	1.81E+00	1.86E+00	7.51E-01	3.75E+02	2.83E-01
Tetrachloroethene	2.27E-03	5.00E-03	1.90E-01	9.49E+01	7.26E-01
Toluene	3.63E+00	5.24E+00	4.68E-01	2.34E+02	2.72E-01
trans-1,2-Dichloroethene	4.75E-02	1.61E-01	7.92E-02	3.96E+01	1.67E-01
Trichloroethene	1.35E-02	3.77E-02	1.21E-01	6.07E+01	4.04E-01
Trichlorofluoromethane	1.29E+00	2.00E+00	8.78E-02	4.39E+01	3.98E+00
Vinyl chloride	1.13E-03	3.27E-03	4.35E-02	2.17E+01	1.14E+00
Xylenes (Total)	9.85E+00	1.00E+01	7.66E-01	3.83E+02	2.12E-01

TABLE 3A
CALCULATION OF SOIL LEACHING CRITERION (CRITERION d.1) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Soil Leaching Criterion (Criterion d.1); USEPA, 1996 = $C_w \times [K_d + (O_w + O_a \times H)/P_b]$

where :

C_w	chemical specific	
K_d	chemical specific	= $K_{oc} \times F_{oc}$; where $F_{oc} = 0.002$ (0.2%)
O_w	0.3	
O_a	$n \cdot O_w$	0.13
n	$1 - (P_b/P_s)$	0.43
P_b	1.5	
P_s	2.65	
H	chemical specific	

USEPA, 1996: Soil Screening Level Partitioning Equation for Migration to Ground Water, Equation 10, Soil Screening Guidance, 9355.4-23, July 1996.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for **Koc** or **Kd** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **Koc** or **Kd** were taken from RAIS Website (<http://rais.ornl.gov/>)

	<i>Soil Leaching Criterion d.1</i>	<i>GW RRSs (default Type 2)</i>	<i>Partition Coefficient (I)</i>	<i>Koc (I)</i>	<i>Henry Law's Constant</i>
	mg/kg	mg/L	L/kg	L/kg	dimensionless
<u>SVOCs</u>					
1,2,3-Trichlorobenzene	2.42E-01	8.18E-02	2.76E+00	<u>1.38E+03</u>	<u>5.11E-02</u>
1,2,4-Trichlorobenzene	2.04E-01	7.00E-02	2.71E+00	1.36E+03	5.82E-02
1,2-Dichlorobenzene	5.84E-01	6.00E-01	7.66E-01	3.83E+02	7.87E-02
1,3-Dichlorobenzene	5.76E-01	6.00E-01	7.50E-01	<u>3.75E+02</u>	<u>1.08E-01</u>
1,4-Dichlorobenzene	7.20E-02	7.50E-02	7.51E-01	3.75E+02	9.88E-02
Fluorene	7.57E+01	4.09E+00	1.83E+01	9.16E+03	3.94E-03
Naphthalene	6.58E-02	2.00E-02	3.09E+00	1.54E+03	1.80E-02
Phenanthrene	3.36E-01	1.00E-02	3.34E+01	<u>1.67E+04</u>	<u>1.73E-03</u>
<u>PCBs</u>					
Aroclor-1016	3.55E-01	3.72E-03	9.54E+01	4.77E+04	8.20E-03
Aroclor-1221	8.50E-03	5.00E-04	1.68E+01	8.40E+03	3.02E-02
Aroclor-1232	8.50E-03	5.00E-04	1.68E+01	8.40E+03	3.02E-02
Aroclor-1242	7.82E-02	5.00E-04	1.56E+02	7.81E+04	7.79E-03
Aroclor-1248	7.66E-02	5.00E-04	1.53E+02	7.65E+04	1.80E-02
Aroclor-1254	1.31E-01	5.00E-04	2.61E+02	1.31E+05	1.16E-02
Aroclor-1260	3.50E-01	5.00E-04	6.99E+02	3.50E+05	1.38E-02

TABLE 3B
CALCULATION OF VOLATILIZATION FACTOR (VF) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

$$VF \left(\frac{m^3}{kg} \right) = \frac{(LS \times V \times DH)}{A} \times \frac{\left(3.14 \times \alpha \times T \right)^{1/2}}{\left(2 \times D_{ei} \times E \times K_{as} \times 10^3 \frac{kg}{g} \right)}$$

where:

$$\alpha \left(\frac{cm^2}{s} \right) = \left(D_{ei} \times E \right) / \left(E + [p_s(1-E)/K_{as}] \right)$$

$$LS / \text{length of side of contaminated area (m}^2\text{)} = 4.50E+01$$

$$V / \text{wind speed in mixing zone (m/s)} = 2.25E+00$$

$$DH / \text{diffusion height (m)} = 2.00E+00$$

$$A / \text{area of contamination (cm}^2\text{)} = 2.03E+07$$

$$T / \text{exposure interval (s)} = 7.88E+08 \quad (= 25 \text{ yrs})$$

$$p_s / \text{density of soil solids (g/cm}^3\text{)} = 2.65E+00$$

$$OC / \text{soil organic carbon content fraction (unitless)} = 2.00E-02$$

$$D_{ei} / \text{effective diffusivity (cm}^2/\text{s)} = D_i \times E^{0.33}$$

$$D_i / \text{Molecular Diffusivity (cm}^2/\text{s)} = \text{chemical specific}$$

$$E / \text{total soil porosity (unitless)} = 3.50E-01$$

$$K_{as} / \text{soil/ air partition coefficient (g soil/cm}^3 \text{ air)} = (H/K_d) \times 41$$

$$K_d / \text{soil-water partition coefficient (cm}^3/\text{g)} = Koc \times Foc; \text{ where } Foc = 0.02 \text{ (2\%)} \text{}$$

$$H / \text{Henry's Law Constant (atm-m}^3/\text{mol)} = \text{chemical specific}$$

$$Koc / \text{organic carbon partition coefficient (cm}^3/\text{g)} = \text{chemical specific}$$

Assumptions:

Uses default values from Rule 391-3-19 , Appendix III, Table 3.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for **D_i, H, Koc, and Kd** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **D_i, H, Koc, and Kd** were taken from RAIS Website (<http://rais.ornl.gov/>)

VOCS	Parameters	D _i ⁽¹⁾	D _{ei}	H ⁽¹⁾	Koc ⁽¹⁾	K _d	K _{as}	alpha	VF
1,1,1-Trichloroethane		6.50E-02	4.60E-02	1.72E-02	4.39E+01	8.78E-01	8.03E-01	6.45E-03	1.54E+03
1,1,2-Trichloroethane		6.70E-02	4.74E-02	8.24E-04	6.07E+01	1.21E+00	2.78E-02	2.66E-04	8.78E+03
1,1-Dichloroethane		8.40E-02	5.94E-02	5.62E-03	3.18E+01	6.36E-01	3.62E-01	4.07E-03	2.10E+03
1,1-Dichloroethene		8.60E-02	6.08E-02	2.61E-02	3.18E+01	6.36E-01	1.68E+00	1.55E-02	8.63E+02
1,2-Dichloroethane		8.60E-02	6.08E-02	1.18E-03	3.96E+01	7.92E-01	6.11E-02	7.46E-04	5.21E+03
Acetone		1.10E-01	7.78E-02	3.50E-05	2.36E+00	4.73E-02	3.04E-02	4.77E-04	6.56E+03
Benzene		9.00E-02	6.36E-02	5.55E-03	1.46E+02	2.92E+00	7.80E-02	9.93E-04	4.50E+03
Bromomethane		1.00E-01	7.07E-02	7.34E-03	1.32E+01	2.64E-01	1.14E+00	1.33E-02	1.02E+03
Carbon disulfide		1.10E-01	7.78E-02	1.44E-02	2.19E+01	4.39E-01	1.35E+00	1.67E-02	8.75E+02
Chlorobenzene		7.20E-02	5.09E-02	3.11E-03	2.34E+02	4.68E+00	2.73E-02	2.80E-04	8.56E+03
Chloroethane		1.00E-01	7.07E-02	1.11E-02	2.19E+01	4.39E-01	1.04E+00	1.23E-02	1.07E+03
Chloroform		7.70E-02	5.45E-02	3.67E-03	3.18E+01	6.36E-01	2.36E-01	2.50E-03	2.75E+03
Chloromethane (methyl chloride)		1.20E-01	8.49E-02	8.82E-03	1.32E+01	2.64E-01	1.37E+00	1.85E-02	8.30E+02
cis-1,2-Dichloroethene		8.80E-02	6.22E-02	4.08E-03	3.96E+01	7.92E-01	2.11E-01	2.56E-03	2.73E+03
Cyclohexane		8.00E-02	5.66E-02	1.50E-01	1.46E+02	2.92E+00	2.11E+00	1.70E-02	7.74E+02
Dibromochloromethane		3.70E-02	2.62E-02	7.83E-04	3.18E+01	6.36E-01	5.04E-02	2.65E-04	8.75E+03
Ethylbenzene		6.80E-02	4.81E-02	7.88E-03	4.46E+02	8.92E+00	3.62E-02	3.51E-04	7.63E+03
Isopropylbenzene (cumene)		6.00E-02	4.24E-02	1.15E-02	6.98E+02	1.40E+01	3.38E-02	2.89E-04	8.41E+03
m-Xylenes		6.80E-02	4.81E-02	7.18E-03	3.75E+02	7.51E+00	3.92E-02	3.80E-04	7.33E+03
Methylene chloride		1.00E-01	7.07E-02	3.25E-03	2.19E+01	4.39E-01	3.04E-01	4.11E-03	2.12E+03
o-Xylene		6.90E-02	4.88E-02	5.18E-03	3.83E+02	7.66E+00	2.77E-02	2.73E-04	8.66E+03
p-Xylenes		6.80E-02	4.81E-02	6.90E-03	3.75E+02	7.51E+00	3.77E-02	3.65E-04	7.48E+03
Tetrachloroethene		5.00E-02	3.54E-02	1.77E-02	9.49E+01	1.90E+00	3.82E-01	2.55E-03	2.65E+03
Toluene		7.80E-02	5.52E-02	6.64E-03	2.34E+02	4.68E+00	5.82E-02	6.45E-04	5.61E+03
trans-1,2-Dichloroethene		8.80E-02	6.22E-02	4.08E-03	3.96E+01	7.92E-01	2.11E-01	2.56E-03	2.73E+03
Trichloroethene		6.90E-02	4.88E-02	9.85E-03	6.07E+01	1.21E+00	3.33E-01	3.09E-03	2.43E+03
Trichlorofluoromethane		6.50E-02	4.60E-02	9.70E-02	4.39E+01	8.78E-01	4.53E+00	2.20E-02	5.05E+02
Vinyl chloride		1.10E-01	7.78E-02	2.78E-02	2.17E+01	4.35E-01	2.62E+00	2.70E-02	5.72E+02
Xylenes (Total)		8.50E-02	6.01E-02	5.18E-03	3.83E+02	7.66E+00	2.77E-02	3.37E-04	7.81E+03

TABLE 3B
CALCULATION OF VOLATILIZATION FACTOR (VF) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

$$VF \left(\frac{m^3}{kg} \right) = \frac{(LS \times V \times DH)}{A} \times \frac{\left(3.14 \times \alpha \times T \right)^{1/2}}{\left(2 \times D_{ei} \times E \times K_{as} \times 10^3 \frac{kg}{g} \right)}$$

where:

$$\alpha \left(\frac{cm^2}{s} \right) = \left(D_{ei} \times E \right) / \left(E + [p_s(1-E)/K_{as}] \right)$$

$$LS / \text{length of side of contaminated area } (m^2) = 4.50E+01$$

$$V / \text{wind speed in mixing zone } (m/s) = 2.25E+00$$

$$DH / \text{diffusion height } (m) = 2.00E+00$$

$$A / \text{area of contamination } (cm^2) = 2.03E+07$$

$$T / \text{exposure interval } (s) = 7.88E+08 \quad (= 25 \text{ yrs})$$

$$p_s / \text{density of soil solids } (g/cm^3) = 2.65E+00$$

$$OC / \text{soil organic carbon content fraction (unitless)} = 2.00E-02$$

$$D_{ei} / \text{effective diffusivity } (cm^2/s) = D_i \times E^{0.33}$$

$$D_i / \text{Molecular Diffusivity } (cm^2/s) = \text{chemical specific}$$

$$E / \text{total soil porosity (unitless)} = 3.50E-01$$

$$K_{as} / \text{soil/ air partition coefficient } (g \text{ soil/ cm}^3 \text{ air}) = (H/K_d) \times 41$$

$$K_d / \text{soil-water partition coefficient } (cm^3/g) = Koc \times Foc; \text{ where } Foc = 0.02 \text{ (2\%)} \quad$$

$$H / \text{Henry's Law Constant } (atm \cdot m^3/mol) = \text{chemical specific}$$

$$Koc / \text{organic carbon partition coefficient } (cm^3/g) = \text{chemical specific}$$

Assumptions:

Uses default values from Rule 391-3-19 , Appendix III, Table 3.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Table Chem Params, December 12, 2009

Exceptions: Values in bold font for **D_i, H, K_{oc}, and K_d** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **D_i, H, K_{oc}, and K_d** were taken from RAIS Website (<http://rais.ornl.gov/>)

	Parameters	D _i ⁽¹⁾	D _{ei}	H ⁽¹⁾	K _{oc} ⁽¹⁾	K _d	K _{as}	alpha	VF
SVOCS									
1,2,3-Trichlorobenzene	3.95E-02	2.79E-02	1.25E-03	1.38E+03	2.76E+01	1.85E-03	1.05E-05	4.44E+04	
1,2,4-Trichlorobenzene	4.00E-02	2.83E-02	1.42E-03	1.36E+03	2.71E+01	2.15E-03	1.23E-05	4.10E+04	
1,2-Dichlorobenzene	5.60E-02	3.96E-02	1.92E-03	3.83E+02	7.66E+00	1.03E-02	8.25E-05	1.58E+04	
1,3-Dichlorobenzene	5.58E-02	3.95E-02	2.63E-03	3.75E+02	7.50E+00	1.44E-02	1.15E-04	1.34E+04	
1,4-Dichlorobenzene	5.50E-02	3.89E-02	2.41E-03	3.75E+02	7.51E+00	1.32E-02	1.04E-04	1.41E+04	
Fluorene	4.40E-02	3.11E-02	9.62E-05	9.16E+03	1.83E+02	2.15E-05	1.36E-07	3.90E+05	
Naphthalene	6.00E-02	4.24E-02	4.40E-04	1.54E+03	3.09E+01	5.84E-04	5.04E-06	6.42E+04	
Phenanthrene	NA	NA	4.22E-05	1.67E+04	3.34E+02	5.18E-06	NV	NV	
PCBs									
Aroclor-1016	NA	NA	2.00E-04	4.77E+04	9.54E+02	8.60E-06	NV	NV	
Aroclor-1221	5.80E-02	4.10E-02	7.36E-04	8.40E+03	1.68E+02	1.80E-04	1.50E-06	1.18E+05	
Aroclor-1232	5.80E-02	4.10E-02	7.36E-04	8.40E+03	1.68E+02	1.80E-04	1.50E-06	1.18E+05	
Aroclor-1242	NA	NA	1.90E-04	7.81E+04	1.56E+03	4.99E-06	NV	NV	
Aroclor-1248	NA	NA	4.40E-04	7.65E+04	1.53E+03	1.18E-05	NV	NV	
Aroclor-1254	NA	NA	2.83E-04	1.31E+05	2.61E+03	4.45E-06	NV	NV	
Aroclor-1260	NA	NA	3.36E-04	3.50E+05	6.99E+03	1.97E-06	NV	NV	