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NOV 30 2011

Response and Remediation Program

Ms. Carolyn L. Daniels
Response and Remediation Program
Georgia Environmental Protection Division
2 Martin Luther King Jr. Drive, Suite 1462 East Tower
Atlanta, Georgia 30334

Dear Ms. Daniels:

Re: Response to Comment Letter (July 5, 2011)
Voluntary Investigation and Remediation Plan
1610 Southland Circle, Atlanta, Georgia

Conestoga-Rovers & Associates (CRA), on behalf of CBS Corporation (CBS), is submitting this response to comment letter from Georgia Environmental Protection Division (EPD) concerning the Voluntary Investigation and Remediation Plan (VIRP) for the above-referenced facility (Southland Circle) (Site) dated July 5, 2011. This response addresses EPD comments as outlined in the referenced correspondence and provides currently available information requested by EPD. This response addresses the comments structured in a response to comments format. In addition to providing responses to EPD's specific comments, the VIRP has been revised based on the comments. CBS believes that the revised VIRP and responses to comments will provide the historical background of the Site, the current Site conditions and the plan for Site remediation and maintenance moving forward.

Application/Checklist

Comment 1: ***Qualifying Property/Contact Information***: *The current telephone number for the property owner was not provided on the VRP Application Form as required. Please revise the application accordingly.*

Response:

The property owners' telephone number is (404) 874 7529.

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Conceptual Site Model (CSM)

Comment 2: ***Regulated Substances Released****: All regulated substances historically detected in soil, sediment (including in the onsite sediment trap), groundwater, and/or surface water at the qualifying property as well as known breakdown products must be evaluated as constituents of concern (COCs) in the conceptual site model (CSM). Section 3.1 (Existing Site Conditions) of the VIRP indicates only polychlorinated biphenyls (PCBs) and various chlorobenzenes were released to the environment at the qualifying property. Also, it appears that analytical results for several historical environmental samples (soil, sediment, groundwater and surface water) were not summarized on tables and/or figures provided in the VIRP.*

a) ***Chlorinated Volatile Organic Compounds (VOCs):*** *Although EPD recognizes there may be potential upgradient sources for some of the chlorinated volatile organic compounds (VOCs; i.e., PCE, TCE, etc.) detected in one or more of the various environmental media at the site, EPD cannot concur that the qualifying property was not (or is not) a potential source of said substances due to:*

- *The common usage of chlorinated solvents as degreasers, and*
- *The detection of PCE in groundwater near known source areas for PCBs and chlorobenzenes (monitoring wells MW-3, MW-12 and MW-12D) at the qualifying property which are consistently greater than the PCE concentrations detected in monitoring wells MW-1 and MW-5.*

Therefore, it must be assumed that detected chlorinated VOCs have likely been released to the environment at the qualifying property sometime in the past and are subject to the Act.

b) ***Non-Chlorinated VOCs and Semi-Volatile Organic Compounds (SVOCs)****: Several additional regulated substances, including non-chlorinated VOCs (i.e., benzene, toluene, ethylbenzene, xylenes, naphthalene, etc.) and semi-volatile organic compounds (SVOCs) commonly associated with fuel oils (a source of PCBs detected at the qualifying property), have also been detected in historical environmental samples collected at the site, but are not included as released substances at the qualifying property. Said substances are also subject to the Act.*

Response:

Available historical Site data for soils, groundwater, surface water, and sediment are presented in Section 3.3 of the revised VIRP. The sample locations for each environmental media are provided on Figures 3.3 through 3.5 and historical analytical results are summarized on Tables 3.3 through 3.6. Historical and current analytical results are summarized and compared to Type 1 risk reduction standards (RRS) on Tables 3.3A, 3.4A, 3.7A and 3.8A for soil and groundwater samples. Type 4 RRS comparisons are provided on Tables 3.3B, 3.4B, 3.7B and 3.8B for the respective sample media.

Comment 3: The VIRP must be revised to include: 1) tables summarizing all regulated substances released to all environmental media impacted and 2) figures showing the locations of all sample locations in relation to current and historical site features and source locations. Other figures, including cross sections, and tables must be revised to include all historical and current analytical results for pre- and post-excavation samples and the most recent analytical results for groundwater and surface water samples collected at the qualifying property. The CSM for the qualifying property is not complete without the requested tables and figures. References within the VIRP to tables and/or figures in previous submittals (which are not up-to-date or complete) in lieu of providing the referenced tables and figures are not an acceptable response to this comment even when electronic copies of the past submittals (Appendix C of the current VIRP) are provided within the VIRP.

Response:

Available historical and current tables and figures showing sample locations are revised to show all regulated compounds for each environmental media. Soil, groundwater, surface water and sediment sample locations are presented on Figures 3.3, 3.4 and 3.5 respectively. Tables 3.7 (A and B), 3.8 (A and B), 3.9 and 3.10 summarize current Site conditions in regards to soil, groundwater, surface water and sediment respectively.

Available pre- and post-excavation soil and groundwater samples are presented on respective figures and tables. Only soil sample locations which exceeded the Type 1 (delineation standard) and/or Type 4 (cleanup standard) RRS are shown on respective figures and cross-sections. Groundwater analytical results from the most recent sampling event (August 2011) are presented on the cross-sections and Figures 3.7 and 3.7A through 3.7C.

Comment 4: *Since they are not subject to delineation and/or cleanup requirements, please remove all references to substances not regulated by the Rules (i.e., methylcyclohexane, total petroleum hydrocarbons (TPH), total recoverable petroleum hydrocarbons (TRPH), etc.] in the VIRP. Please note that although the presence of TPH or TRPH may be indicative of the potential presence of oil/petroleum released at the site, their presence or absence cannot be used to confirm the presence or absence of PCBs.*

Response:

All non-regulated compounds have been removed from each summary table for each sample media.

Comment 5: ***Contaminant Source(s):***

a) *EPD cannot concur there is an upstream source for PCBs observed in the sediment trap located in the onsite surface water body on the qualifying property as suggested by Section 3.3 of the VIRP. Upstream potential sources are not supported by the sediment analytical data summarized on Table 3.2 of the VIRP nor indicated by the figures summarizing soil/sediment analytical results. Please remove the reference to an upstream source of PCBs in sediment or provide information/documentation (i.e., sediment and/or surface water analytical data, etc.) to support said reference.*

b) *EPD cannot concur that upgradient sources are the sole source of VOCs (other than chlorobenzenes) detected in environmental media at the qualifying property based on documentation provided to date (see Comment 2).*

c) *All sources of regulated substances released to the environment at the qualifying property must be clearly identified with labels on figures depicting site conditions, including cross sections. Several sources at the qualifying property referenced in Section 2.0 of the VIRP were not shown or labeled on the figures. Those sources not marked or shown on figures include: locations of former underground storage tanks (UST), the "50-ft slab" reportedly formerly used as a temporary storage location for electrical apparatus, the "48-inch" drainage trench, the location of the former oil/water separator, etc.*

Response:

Revision to the potential source of PCBs in soil/sediment is provided in Section 3.8 of the revised VIRP. Locations of potential source areas are shown on revised Figures 2.2 and 3.5.

Comment 6: ***Release, Response, and Remedial Action History****: Section 2.0 of the VIRP does not include specific references to release response activities, including environmental sampling and analyses, conducted by EPA in July 1993 and February 1994 in response to the discovery of PCB-containing oil in a former UST at the site. Please revise the site history narrative to include said activities. EPA environmental sample locations should also be indicated on a site figure and associated sample results should be summarized in tabular format in a revised VIRP.*

Response:

Historical Site investigations including environmental sampling and analyses conducted by EPA in July 1993 and February 1994 are presented in Sections 2.2, 3.7 and 3.8 of the revised VIRP. Available historical sample locations are shown on Figures 3.3 and 3.8 and analytical data summaries of all sample media are provided on Tables 3.3 through 3.11.

Comment 7: **Site Map**: Please provide a figure showing, with labels, all historical and/or recent: 1) contaminant source areas/features, 2) excavation areas, 3) environmental media sampling locations (including release discovery, due diligence investigation, and EPA sampling locations), and 4) onsite surface water bodies at the qualifying property. None of the figures provided in the VIRP appear to include all of the referenced information.

Response:

Figures 2.2 and 3.3 present and locations of former excavation areas, potential source areas and on-Site surface water (stormwater channel) and all available historical and current environmental sample locations.

Comment 8: ***Site Stratigraphy****: The CSM must include a description of site stratigraphy (soil types and lithologies, if rock was encountered during investigative and/or remedial actions) and how it relates to the water table and contaminants released to the environment. Please clearly identify and depict observed soil and rock types (i.e., silt, clay, schist, etc.) and contacts on all cross sections provided using standard descriptive terms [i.e., the Unified Soil Classification System (USCS), etc.] based on visual observations and/or geotechnical test results. Note that terms such as "Fill" and "Native", which indicate origin, not soil or rock type, as shown on Figure 3.4 of the VIRP are not sufficient to describe site stratigraphy. The VIRP should also include a description of the relationship between site stratigraphy and detected contamination.*

Response:

The Conceptual Site Model (CSM) presented in Section 3.0 has been revised to include available stratigraphic descriptions of soils and rock encountered during previous investigations. The cross sections (Figures 3.10 through 3.15) have been revised to show available Site stratigraphic data and correlations. Stratigraphic descriptions of some of the soil borings could not be located.

Comment 9*:* ***Soil/Sediment Conditions****: Please revise the VIRP to include:*

a) A table or tables summarizing all historical and recent soil/sediment analytical results (including all analytical parameters with the exception of substances not regulated by the Rules) from the time of the initial release discovery forward, including pre- and post-excavation/remedial action samples and samples collected by initial responders (private and public, including EPA personnel). Analytical

results for sediment samples collected from the sediment trap located in the northern onsite surface water bodies must also be summarized on a table within the revised VIRP.

b) *The site map requested in Comment 7 above. Effectiveness of past remedial actions and current site conditions cannot be evaluated without the requested table and figure.*

c) *Site maps summarizing analytical results for all regulated substances detected in soil/sediment samples collected at the site since release discovery. Please include sample depths, collection dates, contaminant concentrations, and contaminant isoconcentration contours showing the extent of each regulated substance (or group of regulated substances) greater than the proposed delineation standards and cleanup standards. EPD must be able to distinguish between the contour lines denoting delineation and cleanup standards. Multiple figures rather than a single figure may be required to address this comment. Figure 3.6 (Areas of Impacted Soil and Figure 3.7 (2003 Excavation Locations) of the VIRP as presented are not sufficient to address this comment since much of the information required above is missing.*

d) *Sample locations representing excavated material and samples collected below the water table should be clearly identified on all of the above requested tables and figures. If an analyte/parameter was not analyzed in a particular sample, it must be clearly indicated as such in the associated table and figures or a separate table summarizing sample analytical parameters at each location during each sampling event should be submitted. Absence of summarized data on tables or figures cannot be assumed to indicate absence of analysis.*

Response:

The VIRP has been revised to include tables summarizing all available historical and current analytical results of regulated compounds in each environmental media, updated Site map, Site maps showing summary of analytical results (data boxes) and available sample locations at the pre- and post-excavation areas.

Tables 3.3A, 3.4A and 3.6 summarize historical analytical data compared to the Type 1 RRS (delineation standard) for soil, groundwater and sediment samples, respectively. Tables 3.3B and 3.4B provide summary of historical analytical data for soil and groundwater as compared to the Type 4 RRS (clean up standard). Available historical surface water analytical results are presented on Table 3.5 compared to the In-stream water quality standard (ISWQS). All historical soil gas data collected from the Site are summarized on Table 3.11.

Tables 3.7 (A and B), 3.8 (A and B), 3.9 and 3.10 present the current Site conditions with respect to soil, groundwater, surface water and sediment respectively.

Historical and current sample locations for all environmental media are provided on Figure 3.3.

Comment 10: ***Groundwater Conditions:***

a) ***Groundwater Depths and Potentiometric Surface Map****:*

i. A table summarizing historical and recent depths to groundwater measurements and groundwater elevations relative to mean sea level must be provided. A similar table was provided in the March 31, 2011 progress report; however, EPD is unsure that all historical measurements were included.

ii. A recent potentiometric surface map must be provided to document groundwater flow paths. Groundwater elevations measured in shallow (at or near the water table) and deeper-screened (10 or more feet below the water table) monitoring wells should not be combined for use in constructing isopotential contours.

b) ***Groundwater Analytical Results****:*

i. Groundwater samples were collected and analyzed for select parameters/analytes in August 2010 and during the February 2011 monitoring event documented in the March 31, 2011 progress report. However, it does not appear that all groundwater samples collected were analyzed for all COCs detected in environmental media at the site. A comprehensive groundwater sampling event must be conducted and all COCs (see Comment 2 above) must be analyzed to establish current site conditions.

ii. Table 3.3, which summarizes analytical results for groundwater samples must include all historical sample results acquired from the date of release discovery through the most recent sampling/monitoring event. In addition, the most recent groundwater sampling results (at the time of submittal of the revised VIRP) must be summarized on a site figure in tabular format adjacent to the appropriate sampling locations. Analytical results must be clearly identified according to aquifer zone monitored either by notations on a single figure or by depiction of the data from each zone on separate figures. Note that Figure 3.8 in the current VIRP does not include actual groundwater analytical results, nor does it indicate the aquifer zones represented by the data.

Response:

The well construction details and select historical and recent depth to groundwater measurements and groundwater elevations relative to NAVD are provided on Table 3.2A and a surface water table, Table 3.2B, summarizes surface water elevations at the three staff gauge locations. Representative groundwater measurements starting October 2003 are summarized on Table 3.2A.

Figures 3.1 and 3.2 provide the June 2005 and September 2011 groundwater elevation contour maps respectively. As described in Section 3.2 of the revised VIRP, groundwater in the shallow surficial and saprolite units is hydraulically connected and wells screened in the two units monitor the connected units even though the screen depths vary by 10 feet or more. Monitoring well MW-12D installed in the bedrock unit, is not considered in generating the groundwater elevation contours.

The semi-annual monitoring event is conducted based upon the conditionally approved December 2005 Corrective Action Plan (CAP) via a letter dated September 18, 2006. During the semi-annual groundwater monitoring of Site monitoring wells, VOCs are analyzed for all monitoring wells and PCBs are analyzed at select monitoring wells at or around the former 50-foot slab (MW-2, MW-3, MW-12, MW-12D and RW-1), at the former sump and trench drain (MW-4) and at the eastern property boundary (MW-8 and MW-11).

Groundwater analytical summary Table 3.4A and 3.4B include all historical groundwater analytical results compared to the Type 1 and 4 RRS. Detected regulated compounds in groundwater during the most recent (August 2011) monitoring event are presented on Figure 3.7 (data boxes) and Figure 3.7A, 3.7B and 3.7C (isopleths for PCBs, select chlorinated VOCs (PCE, TCE and chlorobenzenes) and benzene respectively). Current groundwater conditions in comparison to previous events are described in Section 3.6 of the revised VIRP.

Comment 11: ***Surface Water Conditions:***

a) *The onsite stream/drainage channel paralleling the northern boundary of the qualifying property is known to have been impacted by the release of regulated substances, including light non-aqueous phase liquids and surface water samples have been collected during various investigations/monitoring events. Therefore, all historical surface water sampling locations and associated analytical data must be summarized in tabular format with the most recent analytical results summarized on a figure. Said results may be summarized on a figure with the recent groundwater analytical results to assist in assessing the impact of the groundwater contaminant plume on the surface water body.*

b) *Surface water samples have historically been collected from the onsite stream/storm water channel flowing parallel to the northern boundary of the qualifying property for analysis near the discharge point of the concrete culvert on the western edge of the property, immediately north of the main onsite building, and near the downstream property boundary during recent semi-annual groundwater monitoring events. At a minimum, a sampling location located immediately north of recovery well RW-1 must be added to the surface water monitoring network to monitor conditions immediately adjacent to the main onsite contaminant source area in addition to the current sampling locations.*

Said additional monitoring location is necessary to assist in evaluating potential current and ongoing impact of the release at the qualifying property on the referenced surface water body.

c) *In addition to collection of surface water samples, surface water elevations have been measured at gauging stations located along the stream/storm water channel. Please summarize historical stream elevation measurements in tabular format and include the most recent measurements on the required potentiometric surface map and revised cross sections since it is assumed that waters within the surface water body are in communication with groundwater at the site. Surface water elevation data may be included on the required table of groundwater elevation measurements.*

Response:

All available historical and current surface water sample locations are provided on Figure 3.5 and the analytical results are summarized on Tables 3.5 and 3.9 and on Figure 3.8 as data boxes.

Recent surface water elevations are summarized on Table 3.2B and shown on Figure 3.2 with the most recent groundwater elevations.

A surface water sampling location immediately north of RW-1 will be added during the next semi-annual monitoring event (February 2012)

Comment 12: ***Cross Sections****: A total of five cross sections were submitted as Figures 3.2a through 3.5 with Figure 3.1 a site map showing the locations of the cross sections provided within the VIRP. The following comments are specific to said cross sections:*

i. *Past remedial activities at the site included excavation of soil/sediment impacted by the release of regulated substances in several locations at the site including the onsite streambed. Two of the excavated areas, the door pit area, and the trench drain area near monitoring well MW-4 adjacent to the southern wall of the main onsite building, are not included on any of the cross sections. Please revise the VIRP to include two additional cross sections roughly parallel to Cross Sections B-B' (Figure 3.3) and C-C' (Figure 3.4) and extending from the southern boundary to the northern boundary of the qualifying property. Figure 3.1 should also be revised to show the limits of all past excavations conducted in response to the release of regulated substances at the site.*

ii. *The locations of all historical soil sampling locations associated with the release at the qualifying property that lie within or immediately adjacent to the plane of a line of cross section must be shown on the appropriate cross section along with associated analytical results. For instance, apparent soil sampling locations B-6, PT-4, B-9, PT-3, etc. were not included on*

Cross Section D-D' although they appear to be located within the plane of the cross section, or immediately adjacent to it. Please note that both pre- and post-excavation soil sample locations (and associated analytical results) should be included to assist EPD in evaluating the effectiveness of past remedial actions. Samples representing excavated material should be clearly identified as such on the cross sections.

iii. *Observed soil and/or rock types must be shown on the referenced cross sections. Please see Comment 8 above for further explanation.*

iv. *To expedite EPD review and reduce potential confusion, please indicate the sample media for which analytical results are reported on the cross sections with the summarized results. Sample collection dates should also be included with the soil sample depths (shown on the current figures) and analytical results.*

v. *Please indicate the extent of impacts to soil/sediment, groundwater and surface water above applicable delineation standards and cleanup standards on the cross sections using contour lines. Contour lines used to indicate the extent of each COC (or group of COCs) in the various media must be distinguishable from each other.*

vi. *EPD noted several apparent errors and/or discrepancies on the referenced cross sections and/or the figure showing the locations of the lines of cross section (Figure 3.1). For example:*
- *The construction (total depth and screened intervals) for monitoring well MW-8 is shown to be different on Cross Sections C-C' (Figure 3.4) and D-D' (Figure 3.5).*
- *Cross Section A-A' (Figure 3.2) depicts monitoring well MW-1; however, Figure 3.1 does not indicate monitoring well MW-1 is included on the referenced cross section.*
- *The "Door Pit" is shown on Cross Section A-A'; however, the corresponding line of cross section on Figure 3.1 is not shown to intersect the Door Pit area.*
- *Typically, arrows at the end of cross sections point toward the location of the viewer. The arrows at the end of the lines of cross sections on Figure 3.1 appear to point away from the viewer based on review of the corresponding cross sections in Figures 3.2a through 3.5.*
- *Several projected soil sampling locations/borings shown on the cross sections are not indicated as projected points on the lines of cross sections shown on Figure 3.1. For instance, soil sampling points B-25, B-26, or B-38 are depicted on Cross Section A-A'; however, they are not shown on the associated line of cross section, neither are said locations shown as projections onto the line of cross section on Figure .1.*
- *Soil sampling locations TPN2-12, TPNW-1, B-54 or B-53 (labeled as both), B-50, B-48, and three soil/sediment sampling locations (apparently identified by surveyed locations) beneath the northern base of the northern onsite stream/drainage channel shown on Cross Section B-B' (Figure 3-3) do not appear to be shown on Figure 3.1.*
- *It appears that monitoring well locations MW-12 and MW-12D appear to have been reversed on Cross Section D-D' (Figure 3.4) based on Figure 3.1.*

- *Figure 4.1B referenced on Figure 3.1 as a partial plan depicting a "close-up view" of the area surrounding recovery well RW-1, was not provided in the VIRP or was possibly incorrectly referenced on Figure 3.1.*

Response:

Section 3.4 of the revised VIRP has been updated to show changes and additions on the cross sections. Cross sections have been revised to show two west-east and four south-north sections and to address the above comments. Figure 3.9 shows the locations and alignments of the cross sections on a Site Map.

Figures 3.10A (A-A'), 3.10B (A-A' supplemental) and 3.11 (B-B') depict the west-east (horizontal) sections including the monitoring wells and soil borings along the sections and the two excavation areas. Figures 3.12 (C-C'), 3.13 (D-D'), 3.14 (E-E') and 3.15 (F-F') show the south-north (vertical) sections on the west, center and east portion of the Site.

All available stratigraphic and analytical data have been used to update the cross sections. Several historical soil boring logs could not be located to be included on the cross sections.

Comment 13: ***Contaminant Delineation:***

a) ***Soil/Sediment****: EPD will defer an evaluation of soil/sediment contamination delineation efforts until comments regarding: 1) site-specific COCs, 2) proposed delineation standards/criteria and cleanup standards, 3) sample location/depth selection, and 4) revised figures (including cross sections) and tables have been adequately addressed.*

b) ***Groundwater****: EPD cannot fully evaluate groundwater delineation efforts until: 1) site-specific COCs, 2) proposed delineation standards/criteria and cleanup standards and 3) revised figures (including cross sections) and tables have been adequately addressed. However, based on a preliminary review of the VIRP and March 311 2011 progress report:*

   i. *It appears there may be up to three aquifer zones monitored by currently existing monitoring/recovery wells at the site based on monitoring well screen intervals: 1) a zone at or immediately below the water table within shallow soil (monitoring wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-9, MW-11, MW-13, and RW-1), 2) a deeper zone within residual/saprolitic soils more than 10 ft below the water table (MW-5 through MW-7, and MW-12), and 3) bedrock (monitoring well MW-12D). Groundwater in all of the zones appears to have been impacted by the release of regulated substances at the qualifying property. Contamination within each zone must be horizontally delineated using groundwater samples*

collected from appropriately screened monitoring wells. For instance, groundwater analytical results acquired from monitoring well MW-7 (with the top of screen more than 10 ft below the water table) cannot be used to horizontally delineate contamination detected in groundwater at monitoring well MW-10, which is screened across or immediately below the water table. Therefore, groundwater contamination does not appear to have been horizontally delineated to Type 1 RRS in any direction at the site in any of the referenced aquifer zones.

ii. *It cannot be assumed that the surface water body located parallel to the northern property boundary provides a hydraulic barrier for migration of contaminants to the north based on data acquired to date. In fact, ditch bottom and/or stream elevations (symbols not clearly defined) indicated on several of the cross sections would indicate the stream is not a barrier. Therefore, delineation efforts must be extended to the north of the stream/drainage channel. Since surface topography may prohibit the installation of groundwater monitoring wells on that area of the qualifying property, monitoring wells may need to be installed further to the north.*

iii. *It is EPD's understanding that access for groundwater contamination investigation activities on the potentially impacted adjacent properties to the east and south has been denied to CBS in the past. EPD encourages CBS to continue their attempts to gain access to said properties and other properties necessary to complete delineation activities in a timely manner. Note that horizontal delineation of the release and associated constituents of concern on property where access is unavailable at the time of enrollment must be achieved within the first 24 months of enrollment into the VRP. Horizontal contaminant delineation will not be considered complete without analytical results for groundwater samples collected from appropriately screened monitoring wells on the referenced properties. Furthermore, it is also EPD's understanding that CBS (or their representative) contacted Certex Superior Rope and Sling (Certex), lessors of the property to the south, for access to conduct contaminant delineation activities and was denied access by Certex. In the future, all access inquiries should be directed to the owners of the properties for which access is required.*

iv. *Vertical delineation of the groundwater plume has not been achieved based on the analytical results for the groundwater samples collected in August 2010 and February 2011 from monitoring well MW-12D, which is screened within bedrock.*

c) ***Surface Water**: EPD will defer a full evaluation of surface water delineation efforts until comments regarding site-specific COCs and proposed delineation standards/criteria and cleanup standards have been adequately addressed and surface water analytical tables and figures have been provided. Please note that although EPD concurs that the surface water body has been impacted by VOCs from upstream sources, onsite sources for detected VOCs in surface water cannot be eliminated based on the surface water sampling locations included in the current monitoring network (see Comment 20.c.).*

Response:

Soil/sediment delineation criteria and all available historical and current data are presented in Sections 3.4, 3.5 and 3.8. Historical soil analytical data are summarized on Tables 3.3 (A and B) and sediment on Table 3.6 compared to the Type 1 (delineation criteria) and Type 4 (clean up criteria) RRS. Tables 3.7 (A and B) and 3.9 present the current Site conditions with respect to soils and sediments.

Section 3.2 of the revised VIRP has been amended to describe the different water bearing (aquifer) zones on the Site. The shallow surficial soil and the saprolite zone immediately below the shallow zone are hydraulically connected. The monitoring wells screened in the shallow and saprolite zones are monitoring the connected zone. The bedrock zone below the saprolite is the second water bearing unit, the fractures acting as preferential pathways for vertical flow.

Results of the November 2000 soil gas data indicate that there were very few VOC compounds detected above their respective reporting limits in the borehole locations along the northern perimeter of the Site. Section 3.9 of the VIRP presents the findings and Table 3.11 summarizes the analytical data.

CBS will continue to gain access to said properties and other properties necessary to complete groundwater delineation activities in a timely manner. On-site vertical delineation of groundwater in the bedrock aquifer will be assessed after the next semi-annual groundwater monitoring event.

All available historical and current surface water data are presented in Sections 2.2 and 3.7. Historical analytical data are summarized on Table 3.5 and current surface water conditions are provided on Table 3.10. The analytical data are compared to the ISWQS, which was used as both the delineation and clean up criteria.

Comment 14: ***Potential Receptors/Exposure Pathways***:

a) *As part of the documentation defining potential human or environmental receptors please provide a figure or figures depicting:*

   i. *Groundwater and surface water usage, including drinking, irrigation, recreational, and fishing, etc., within the area of release at the qualifying property and 1,000 ft downgradient, as measured from the downgradient edge of the groundwater contaminant plume or surface water/sediment contamination. Groundwater wells and surface water bodies, including the onsite surface water body and immediately downgradient surface water bodies, within the above-defined area of concern must be clearly identified with labels or symbols defined in the*

legends on the figure(s). In the absence of currently active drinking water wells within the area of concern, a hypothetical drinking water supply well must be shown as a potential receptor 1,000 ft downgradient of the edge of the groundwater contaminant plume. If groundwater wells are not located within the specified distance, the location of a hypothetical drinking water well must be shown and labeled on the figure as a potential POE for groundwater contamination.

ii. *Onsite and adjacent property usage. The locations of occupied structures potentially located adjacent to or underlain by environmental media impacted by the release must be clearly identified on the required figure(s). EPD notes that there are occupied single-family residences and/or commercial buildings located on most of the properties surrounding the qualifying property in addition to the onsite commercial building.*

b) *Several potential exposure pathways at the site cannot currently be eliminated from consideration until comments regarding: 1) contaminant delineation, 2) groundwater contaminant fate and transport modeling/and vapor intrusion assessment, and 3) nearby surface water body locations have been adequately addressed. The following potential points of exposure (POEs) and receptors must be considered at a minimum (other POEs or receptors may exist) in addition to those discussed in Section 3.3 of the VIRP:*

i. ***Human Receptors**:*

- ***Ingestion of Groundwater:** Pursuant to §12-8-102(11) of the Act, if cleanup standards for soil or groundwater are based on Type 2, 4, or 5 RRS, a hypothetical drinking water supply well located 1,000 ft hydraulically downgradient of the delineated site contamination must be considered as a potential point of exposure.*

- ***Vapor Intrusion**: EPD has noted an occupied commercial building located onsite, one commercial building located immediately downgradient of the qualifying property which must be considered as current and/or future human exposure points for indoor vapors unless eliminated based on the results of groundwater contaminant fate & transport modeling results combined with vapor intrusion modeling results that have been properly calibrated and validated. Other occupied buildings must also be considered as potential human exposure points for indoor vapors if the VOC contaminant plume is found to be located beneath them or projected to migrate beneath in the future.*

- ***Direct Contact/Ingestion of Soil/Sediment**: EPD does not concur that current or planned engineering/institutional controls will eliminate potential exposure of onsite workers, which include future construction workers; and/or trespassers due to the proximity of residential properties. Note that lack of visual evidence of trespassers in the past is not sufficient evidence that trespassers are not potential receptors.*

ii. ***Surface Water/Ecological***: *Several surface water bodies are known to be located within 1,000 ft downgradient of the onsite groundwater contaminant plume and its source, including an onsite water body that has been impacted in the past the release the qualifying property. The referenced surface water bodies cannot be eliminated as potential receptors [sic] until comments regarding: 1) groundwater contaminant delineation, 2) contaminant fate and transport modeling 3) surface water cleanup standards, and 4) and an ecological risk assessment are adequately addressed. (Technical guidance for ecological risk assessments is available online at http://www.gaepd.org/Documents/hsraguideCSRRRS.html*

Response:

The Potential Receptors and Exposure Pathways section of the VIRP (Section 4.0) has been revised to identify potential receptors and exposure pathways on Site and downgradient of the Site.

Groundwater and surface water use downgradient of the Site and vapor intrusion assessment at the on-Site building and any potentially impacted off-Site occupied buildings will be assessed. Groundwater use and vapor intrusion assessment plans are included in Sections 4.2 and 4.3, respectively.

Comment 15: ***Contaminant Fate and Transport Modeling***:

a) ***Groundwater:*** *Since it appears that the applicant is proposing to remediate impacted soil/sediment and groundwater contamination to Type 5 RRS, groundwater fate and transport modeling of the contaminant plume is required to determine if the groundwater contaminant plume poses an unreasonable risk to receptors and POEs. Said model(s) must be property calibrated and validated using site specific analytical results and hydraulic/aquifer properties. Results of groundwater contaminant fate and transport modeling must also be used to determine appropriate locations and maximum acceptable groundwater contaminant levels for point of determination (POD) monitoring wells that will be protective of human and ecological receptors, including the hypothetical drinking water supply well. Note that a POD well must be proposed/selected for each complete exposure pathway and impacted aquifer zone and must be clearly identified (labeled) on figures depicting the extent of groundwater contamination.*

b) ***Source Material***: *It must be demonstrated that source material (i.e., soil, sediment, LNAPL, etc.) remaining in-situ will not result in unacceptable groundwater contaminant levels at POEs and receptors.*

Response:

Groundwater contaminant fate and transport modeling will be conducted using available site-specific data from soils and groundwater to assess the potential risk posed by the groundwater plume at the applicable on and off-Site points of exposure (POE).

Comment 16: ***Vapor Intrusion Assessment***: *A vapor intrusion assessment must be conducted for those occupied buildings currently, or predicted by fate and transport modeling, located above or immediately adjacent to soil or groundwater impacted at concentrations greater than Type 1 RRS. Corrective action must include vapor mitigation as necessary to protect potential receptors. The VIRP must include plans to conduct the required vapor intrusion assessment.*

Response:

A vapor intrusion assessment will be conducted at the on-Site building and any potentially impacted downgradient occupied building based on groundwater delineation results. A Vapor Intrusion Assessment section (Section 4.2) has been included in the revised VIRP.

Investigation and Remediation Plan:

Comment 17: ***Site-Specific Contaminant Delineation Criteria***: *The VIRP does not clearly identify proposed site-specific delineation criteria for each environmental media (sic) impacted by the release of regulated substances at the qualifying property pursuant to §12-8-108(1)(A) through (E) of the Act. Neither was a table submitted summarizing proposed site-specific delineation standards provided as required by Item #5 of the Application Checklist. Note that although Table 3.1 appears to summarize proposed 1) Type 1/3, and 4 RRS for groundwater, 2) Type 4 RRS for soil/sediment, and 3) Georgia In-Stream Water Quality Standards (ISWQS) (labeled as surface water RRS on the table), it (or other tables within the VIRP) does not clearly identify the specific delineation criteria, or specific standards to be applied to the various impacted environmental media at the site since contamination concentrations at the site are consistently compared to both Type 1/3 and Type 4 RRS. Note that pursuant to §12-8-108(1)(A) through (E) of the Act; Type 2, 3, or 4 RRS are not acceptable delineation criteria.*

Response:

Type 1 RRS was used as delineation criteria in soil, groundwater and sediment media and Type 4 RRS was used as cleanup criteria for groundwater. Type 5 (risk based) RRS is proposed for Site soil and sediment beneath asphalt and concrete cover.

ISWQS (surface water RRS) were used as both delineation and clean up standards for surface water. Table 3.1 summarizes the RRS (Type 1 and 4) and the ISWQS and the RRS generation tables are provided in Appendix C of the revised VIRP.

Comment 18: ***Cleanup Criteria and Standards***: *Please specify the criteria and specific cleanup standards to which the applicant intends to certify impacted environmental media at the qualifying property [i.e., approved Type l, 2, 3, or 4 RRS or other Risk-Based standard (Type 5 RRS) pursuant to §12-8-108(5) and (6) of the Act] and summarize in tabular format according to impacted environmental media.*

a) *The remediation plan in the VIRP relies on engineering and/or institutional controls to limit receptor exposure to environmental media impacted by regulated substances at concentrations greater than Type 1 RRS. Therefore, alternate risk-based cleanup standards (Type 5 RRS) must be specified and summarized in the VIRP based on the results of: 1) a revised risk assessment, 2) associated results from vapor intrusion assessment/modeling (if necessary), and 3) a properly calibrated (and later validated) groundwater contaminant fate and transport model.*

b) *In addition to the Type 5 cleanup standards referenced above, maximum acceptable concentrations of COCs in groundwater at each approved POD well that will "trigger" additional corrective measures to prevent unacceptable exposure for receptors must also be summarized in tabular format.*

c) ***Risk Reduction Standards (RRS)***: *Since the VIRP compares soil/sediment and groundwater contaminant concentrations with multiple proposed RRS types, EPD has reviewed: 1) the proposed RRS summarized on Table 3.1 and 2) the associated table and calculations provided in Appendix D and has the following comments specific to them:*

   i. ***Type 1 Soil/Sediment RRS***: *Please see Comment 17 above.*

   ii. ***Toxicity Factors and Chemical-specific Parameters***: *The toxicity and chemical specific parameter values provided in Appendix D, Table 2 and Tables 3A-3C of the VIRP appear to have been obtained from a version of the Regional Screening Levels Table (RSLT, December 2009) that has been superceded (sic). Prior to submittal of the October 2010 VIRP, EPA released an updated version of the RSLT and has more recently released another version in November 2010 (2. U.S. EPA (November 2010). Regional Screening Level Summary Table (RSLT). Available online at: http://www.epa.gov/reg3hwmd/risk/human/rbconcentration_table/Generic_Tables/index.htm.) EPD previously informed the applicant of EPA's proposed semi-annual updates to the RSLT in Comment Nos.13a and 13c of EPD's Response to Comments letter dated April 30, 2010; which: "Please note that EPA updates the RSLT periodically (with intended updates about every six months) and it is the responsibility of the facility to ensure*

that the most current toxicity factors [and chemical specific parameter] are used in the RRS calculations at the time the report is written and submitted to EPD." Therefore, all toxicity factors and chemical specific parameter values used in the RRS calculations must be reviewed to determine if they are consistent with those listed in the most recent version of the RSLT (at the time of submittal to EPD) and calculations and resultant proposed RRS values revised accordingly.

iii. ***Soil Leachability Calculations (Criterion d.1)**: It appears that column headers on Table 3A of Appendix D in the VIRP reference Type 2 groundwater RRS as the groundwater standards used to calculate soil leachability values (Criterion d.1) rather than the higher of the proposed Type 3 or Type 4 groundwater RRS that should have been used and appear to be listed on the table. Please revise the referenced column header so that it references the actual groundwater criteria (proposed Type 3 or 4 RRS) apparently used in the soil leachability calculations for proposed Type 4 soil RRS.*

iv. ***1,2,3- Trichlorobenzene**: The Type 3 and 4 soil RRS provided in Appendix D of the VIRP for 1,2,3-trichlorobenzene are incorrect. Since 1,2,3-trichlorobenzene is regulated as Chlorinated Benzenes Not Otherwise Specified (N.O.S.) in the Rules, the Type 3 and 4 soil RRS for this substance should be based on the Appendix I notification concentration (NC) for Chlorinated Benzenes N.O.S and not 1,2,4-trichlorobenzene. Therefore, the correct soil Type 3 and 4 RRS for this substance is 25 mg/kg.*

d) ***Surface Water**: A number of the "RRS" for surface water listed in Table 3.1 are incorrect. Although the footnote to the table references the February 2009 version of the Georgia Water Quality Control Rules, the values appear to be based on the November 2005 version. All Georgia In-Stream Water Quality Standards (ISWQS) must be updated (sic) in accordance with Section 391-3-6-.03(5)(e)(iv) of the Georgia Water Quality Control Rules (amended January 2009, effective February 18, 2009). This comment has been previously relayed to CBS. EPD will defer further comments regarding cleanup standards until deficiencies regarding: 1) contaminant delineation, 2) vapor intrusion modeling, 3) exposure pathways/receptors (including potential ecological receptors), 4) groundwater contaminant fate and transport modeling and 5) proposed RRS and associated calculations have been adequately addressed.*

Response:

Type 4 RRS will be used as clean up criteria for Site groundwater and Type 5 RRS (risk-based cleanup standards) are proposed for Site soils and sediment under the on-Site building and concrete cover. The Type 5 RRS may be revised based on the results of vapor intrusion assessment, groundwater contaminant fate and transport model and a risk assessment, if necessary. A soil management plan is included in Section 5.5 of the revised VIRP.

The toxicity and chemical specific parameter values have been revised from the most recent available version of the Regional Screening Levels (RSL) during the calculation of the revised RRS for soil, groundwater and sediment media.

The column header on Table C-6 of Appendix C has been corrected so that it references the actual groundwater criteria (proposed Type 3 or 4 RRS) used in the soil leachability calculations for proposed Type 4 soil RRS.

The soil Type 3 and 4 RRS for 1,2,3-trichlorobenzene is changed to reflect the correct NC criteria (25 mg/kg) for chlorinated benzene N.O.S.

The surface water RRS values (ISWQS) provided on Table 3.1 have been updated based on the May 16, 2011 amendment of the Georgia Water Quality Control Rules Section 391-3-6-03(5)(e)(iv).

Comment 19: *The VIRP has proposed remedial actions at the qualifying property to address potential exposure to subsurface soils and/or groundwater impacted by PCBs and chlorobenzenes through the use of institutional and/or engineering controls. EPD offers the following preliminary comments regarding proposed corrective actions are as follows:*

a) *The potential for migration of the groundwater contaminant plume onto adjacent non-qualifying properties from the qualifying property exists based on a review of analytical results for groundwater samples collected during the March 2011 monitoring event at concentrations exceeding Type 1 RRS at or near the eastern and southern boundaries of the qualifying property. Remedial and/or control measures (which could include the use of an environmental covenant) must be included in the revised VIRP if confirmed by required delineation investigations. Please note that based on CBS's inability to access adjacent non-qualifying properties for investigative activities in the past, EPD has concerns regarding the ability to obtain property owner agreement to environmental covenants on said properties in the future should they become necessary as institutional controls to limit exposure to environmental receptors.*

b) *Please clearly identify (label) those monitoring wells to be used as POD wells on figures summarizing the extent of groundwater contamination. Section 3.3.4 of the VIRP references certain monitoring wells as plume delineation wells, but does not specify them as POD wells for future monitoring events. Note that POD wells are to be monitored specifically for the protection of potential receptors and not necessarily to monitor/delineate the contaminant plume. POD well location/and screen interval should be based on: 1) contaminants of concern, 2) cleanup standards, 3) extent of groundwater contamination, 4) complete exposure pathways/receptors (including potential*

ecological receptors), 5) vapor intrusion assessment/modeling results, and 6) groundwater contaminant fate and transport modeling results at a minimum.

c) *Please note that calculation of the flux of groundwater to the storm water channel and the associated mass flux of Site-related COCs to the northern onsite stream/storm water channel as described in Section 4.2 of the VIRP is not sufficient to demonstrate that groundwater discharge from the site will not impact the stream above Georgia ISWQS (or other applicable cleanup standards; see Comment 18.d.). Said conclusion must be confirmed through the use of analytical results for surface water samples collected immediately north of recovery well RW-1 (and other likely locations of impact such as LNAPL seep areas, etc.).*

d) *Evaluation of P&T system effectiveness should be consistent with those methods described in EPA Superfund Publications - Methods for Monitoring Pump-and-Treat Performance (Parts 1 and 2) (The referenced document may be accessed online at:http://cfpub.epa.gov/superapps/index.cfm/fuseaction/pubs.viewPub/pub_id/530/viewPub.cfm.) Please note that documentation of the removal of large volumes of groundwater and visual observation of seepage areas is not sufficient in and of itself to demonstrate the effectiveness of a P&T system as a control measure for migration of groundwater contamination (specifically LNAPL seepage to surface water). At a minimum, the following items must be included in a revised VIRP when evaluating the effectiveness of the P&T system as a control measure limiting migration of contaminants in groundwater:*

- *Calculation of mass contaminant removed from the subsurface by the existing P& T system to date and during recent operation of the P&T system as has been requested by EPD in the past. Said calculations must be conducted to determine if the system is recovering contaminated groundwater effectively. Since effluent sampling and analysis is assumed to be required in order to discharge recovered groundwater to the on site sewer connection and CBS has been reporting recovered groundwater volumes, EPD assumes that CBS has sufficient data available to conduct said calculations. Please note that without effluent analytical data and/or the above calculations, there is no supporting documentation that the P&T system is recovering contaminated groundwater.*

- *An evaluation of zone of influence/capture zone for the P&T extraction wells. Please note that although potentiometric surface maps previously submitted in past progress reports and the March 2011 progress report indicate potential "cones of depression" around operating extraction wells, said "cones of depression" are solely based on groundwater elevations measured in the extraction wells. Note that groundwater elevations measured within extraction wells are typically lower than those measured in the adjacent aquifer due to well inefficiency and well losses and actual extents of capture zones cannot be confirmed without groundwater elevations measured within the estimated capture zones (i.e., nested piezometers).*

e) *Please ensure that the proposed environmental covenant restricting the future uses of the qualifying (and impacted non-qualifying properties, if applicable) that conforms to O.C.G.A. §44-16-1, et. seq., the Georgia Uniform Environmental Covenants Act. A model environmental covenant that conforms to the above standard may be accessed online at: http://www.gaepd.org/Files_DOC /forms/hwb/modelcovenant.doc.*

- *Pursuant to §391-3-19-.07(10) of the Georgia Hazardous Site Response Rules and Condition 8 of the model covenant referenced above, EPD will require the installation and maintenance of a permanent marker on each side of the site, which delineates the area to be restricted by the proposed environmental covenant. Disturbance or removal of the required markers after installation and enactment of the covenant is prohibited. The VIRP must be revised to include the installation of the required markers, which should include signage indicating their purpose.*

- *A draft copy of the proposed covenant must be submitted to EPD for review no less than 60 days prior to submittal of the required compliance status report to allow sufficient review time and revisions as necessary.*

Response:

CBS proposes to use monitoring wells MW-7, MW-8 and MW-11 as POD wells as they are located at or close to the property boundary along Southland Circle.

An additional surface water sample (in addition to the existing three locations) will be collected at a location immediately north of recovery well RW-1 at the proposed sediment sample location during the next semi-annual sampling event.

The Pump and Treat system was designed to control groundwater (hydraulic) flow not for mass removal. The total mass of dissolved VOCs and PCBs removed through the system is less than a pound (1 lb) although the P&T system has extracted and treated more than 1.1 million gallons of groundwater to date.

An Environmental Covenant pursuant to Georgia Uniform Environmental Covenants Act will be executed between the appropriate parties. Section 5.6 of the VIRP explains the details of the Environmental Covenant.

EPD will defer further comments regarding proposed corrective actions until deficiencies regarding: 1) contaminants of concern, 2) cleanup standards, 3) contaminant delineation, 4) exposure pathways/receptors (including potential ecological receptors), 5) vapor intrusion assessment/modeling, 6) contaminant fate and transport modeling, etc. have been adequately addressed.

Miscellaneous Comments

Comment 20: *Figures, tables, and other documentation used to support the CSM presented in a VIRP must be comprehensive in nature and submitted as part of the VIRP itself. Reliance solely on references to data in past submittals, which may be incomplete or not comprehensive, is not acceptable as support for the CSM presented in the VIRP. Note that figures may require a larger format (greater than 11 inches by 14 inches) to maintain legibility.*

Comment 21: *All symbols and abbreviations/acronyms used on each figure and/or table provided in future reports/plans must be defined within the legend or notes of each applicable figure or table. For instance, the symbol "⊠" (in red), used to denote the location of soil sampling location RW-1 on Figure 3.6, is not defined in the legend of same figure. In addition, please remove symbols, abbreviations, etc. from figure legends that are not used in the associated figures. For instance, EPD cannot locate the symbol defined as "IRM confirmation samples" shown in the legend for Figure 4.1.*

Comment 22: *Based upon information in the VIRP, and other reports, EPD cannot determine if groundwater samples are representative or if previous groundwater sampling events were performed in accordance with US EPA Region 4 Field Branches Quality System and Technical Procedures (FBQSTP) Groundwater Sampling Operating Procedure document (SESDPROC-301-R1, dated November 1, 2007).(The referenced guidance document and other EPA Region 4 SESD field guidance/standard operating procedure documents may be accessed at http//www.epa.gov/region04/sesd/fbqstp/.) Field logs and a detailed description must be provided of the sampling procedures used during the most recent groundwater sampling events conducted in August 2010 and February 2011 along with calibration procedures used to measure stabilization parameters during purging. Please refer to Comment #24 of the April 30, 2010 EPD letter addressed to Mr. Leo Brausch of the Environmental Remediation Department of CBS for additional details regarding applicable groundwater purging/sampling procedures and required associated documentation.*

Comment 23: *In future submittals, a well construction table must be provided for all existing and abandoned monitoring wells at the site. All historical wells that have been abandoned or destroyed (including temporary wells) should be included with applicable notations. This is necessary for reviewing potentiometric surface maps and/or adequacy of groundwater contaminant delineation efforts and should be provided within the revised VIRP and in all submittals documenting groundwater conditions at the qualifying property.*

Response:

The VIRP and all associated attachments (figures, tables and appendices) have been updated to address the above miscellaneous comments (Comments 20 through 23 inclusive).

Section 3.6 of the revised text describes the groundwater sampling procedures and presents the groundwater low-flow purging records in Appendix D.

Please contact me at (770) 441 0027 if you have any comments or suggestions on the above.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Terefe Mazengia, P.G.

TM/tb/01
Encl.

cc: Leo Brausch, CBS
R. T. (Bob) Pyle, CRA

This document provided to EPD on two compact disks (CDs) is a Revised Voluntary Investigation & Remediation Program (VIRP) Application, HSI Site No. 10077, which includes the following components, Conceptual Site Model and Preliminary Remediation Plan, Figures, Tables and Appendices. The content of the CDs are in Portable Document Format (PDF) which are identical to the hard copy and is free of computer viruses, Symantec Anti virus was used to check and scan for any viruses.

I certify that the CDs are virus-free, and the documents are accurate and complete.

_____

Terefe Mazengia

REVISED VOLUNTARY INVESTIGATION AND REMEDIATION PROGRAM 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:
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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 Investigation and Remediation Program (VIRP) 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 VIRP Application Form and Checklist (submitted on October 29, 2010). 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 Potential Receptors and Exposure Pathways.**
- **Section 5 Site Remediation Plan:** the Preliminary Remediation Plan for the Site.
- **Section 6 Milestone Schedule**.

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

1.2 VIRP APPLICANT

CBS is the corporate successor to Westinghouse Electric Corporation (Westinghouse), which occupied the Site from 1965 to 1971.[1] 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 1971, and several industrial and commercial activities have been conducted at the property. CBS vacated the premises 40 years ago. 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: GTG Properties LLC

The Parcel Id Number is: 17-0192-LL-051-6

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 5.6).

[1] CBS Corporation is also the successor, by corporate name change, to Viacom Inc. For simplicity in this report, references to recent (post-2000) actions undertaken by "CBS" include actions by its predecessors.

2.0 SITE BACKGROUND

2.1 SITE HISTORY

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 1971. Westinghouse did not own the property, but instead leased the space from Southeastern Facilities Company. The Site Location Map is provided on the USGS topographic map on Figure 2.1 and the Site Layout is provided on Figure 2.2.

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.[2] 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 trichlorobenzene.[3] 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.

[2] 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.

[3] A common PCB product class used in transformers was Askarel. The most common transformer Askarels were 60 percent Aroclor 1260 and 40 percent trichlorobenzene (Type A) and 70 percent Aroclor 1254 and 30 percent trichlorobenzene (Type C).

In the sampling conducted as part of the tank removal project, PCBs were detected in a sample of free-phase oil collected from within the larger UST. The PCBs were reported as greater than 50 milligrams per kilogram (mg/kg), and the Site was referred to EPD. The Site was subsequently listed on EPD's Hazardous Site Inventory as Site No. 10077.

2.2 PRIOR SITE INVESTIGATION

Historical Site investigation dates back to 1993 when the United States Environmental Protection Agency (USEPA) National Response Center was notified about the PCB in one of the two USTs on March 24, 1993. A representative from the USEPA Air, Pesticides, and Toxics Management Division conducted sampling inspections at the Site on July 8 and 9, 1993 and February 3, 1994. Three grab soil samples were collected by USEPA from the stormwater channel: EPA-04B was collected near the outfall of the storm sewer at the western end of the Site, but was not analyzed; EPA-03B was collected approximately 70 feet downstream of the storm sewer outfall (near double pipe); and EPA-02 was collected in the channel adjacent to the northeast corner of the facility building. USEPA also collected three surface water grab samples from the stormwater channel: at the outfall of the storm sewer (EPA-04A); 70 feet downstream of the outfall (EPA-03A); and, at the inlet to the culvert under Southland Circle (EPA-01).

The two USTs were removed in July 1994 by Kiber Environmental Services, Inc (Kiber). The soil extending approximately 2 feet around both USTs was excavated and disposed of off Site. Kiber reported that the bottom of the excavation was between 12 feet and 14 feet below ground surface (ft bgs). Groundwater was encountered at a depth of approximately 12 ft bgs. Kiber collected four soil samples from the floor of the excavation and four from the sides (one in the middle of each wall). Two soil samples (PT-3 and PT-4) were also collected from the east-west piping trench that ran from the 6,000 gallon UST to just inside the west wall of the building. Two additional soil samples (PT-1 and PT-2) were collected from the piping trench from the 1,250-gallon UST to the exterior southwest corner of the building.

Various soil and groundwater 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 to approximately 7.5 ft bgs.
  - Installation of a recovery well (RW-1) at 11.6 ft bgs in the above "hot-spot" and a groundwater pump and treat system design to ensure hydraulic control of potentially impacted groundwater that could discharge to the stormwater drainage channel.
- 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).
- Implementation of semi-annual groundwater, surface water, and sediment monitoring beginning February 2007.

Details on the IRMs performed in 2003 are described in the 2005 updated 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.

3.0 CONCEPTUAL SITE MODEL

The Conceptual Site Model is developed based on data obtained from historical investigations and current Site conditions of soil, sediment, groundwater, and surface water.

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

Type 1 RRS criteria were used for delineation purposes; Type 4 RRS are the site cleanup standard.

3.1 SITE GEOLOGY

Surficial (shallow) soils overlay the bedrock to approximately 20 ft bgs, followed by a weathered bedrock (saprolite) zone ranging from approximately 22 to about 45 ft bgs. At most locations at the Site, soil and saprolite texture was silty sand or sandy silt. A seam of weathered feldspar was also noted in MW-1 at the bottom of the ditch excavation in the first 50 feet down channel from the storm sewer. Three borings at the Site have encountered partially to highly weathered rock (MW-6, MW-7, MW-12), and MW-12D is installed into the bedrock.

The bedrock is comprised of fine to medium-grained schist, greenish to dark gray, with minor banding/schistocity, highly weathered horizontal fractures with high fracture density. A 3.5-inch thick vein of plagioclase and quartz layer, white with thin banding, was identified at 53.0 ft bgs.

3.2 SITE HYDROGEOLOGY

Groundwater occurs in the shallow surficial soil and saprolite horizons, and within fractures of the bedrock. Based on the groundwater measurements and flow regime, the shallow and saprolite zones are hydraulically connected. The deeper the fracture in the bedrock, the lower the probability that it is directly connected to the shallow soil and saprolite zones that lie above. The transition zone between the saprolite and competent rock may be a preferential pathway for vertical groundwater flow.

Monitoring wells MW-1 through MW-5, MW-8 through MW-11, MW-13, PZ-1, PZ-2 and recovery wells RW-1 and MW-3 are installed in the shallow surficial aquifer with screen lengths ranging from 5 to 15 ft. Monitoring well MW-8 is the deepest well in the shallow aquifer with a depth of 30.48 ft bgs. Monitoring wells MW-6, MW-7 and MW-12 are installed in the saprolite aquifer immediately below the shallow aquifer. Monitoring wells in this zone are screened approximately between 30 ft bgs and 41.5 ft bgs. Monitoring well MW-12D is installed in the bedrock at approximately 70.5 ft bgs with screen length of 10 feet.

Groundwater elevations in the shallow and saprolite aquifer zones are hydraulically connected and generally stable with minimal elevation changes between sampling events. An average elevation change of less than one foot was measured between sampling events due to seasonal fluctuations. In February 2010, groundwater elevations were consistently higher than those observed in the prior and latter events, with an average elevation increase of 2.11 feet. These higher groundwater elevations may be associated with high rainfall conditions in the region in addition to the normal seasonal fluctuations. Based on current and earlier groundwater elevation determinations, groundwater flow at the Site is generally consistent from west to east, with the effects of groundwater pumping reflected by the potentiometric surface in the western portion of the Site. The hydraulic gradient, determined from all Site overburden and saprolite wells is 0.028 ft/ft and 0.029 ft/ft for June 2005 and September 2011, respectively. The overall horizontal gradient and groundwater flow direction remained consistent through the past several years. The vertical gradient between MW-12 (saprolite aquifer) and MW-12D (bedrock well) during the August 2010 and September 2011 monitoring events is between 0.0216 ft/ft and 0.0268 ft/ft with a downward flow direction.

Well construction details and groundwater elevation measurements since October 2003 are summarized in Table 3.2A, and Figures 3.1 and 3.2 provide the water table contour map for the June 2005 and September 2011 measurements, respectively. The groundwater flow direction in the shallow aquifer remained the same (towards the east) during the 2005 and 2011 monitoring events and is consistent with the results of all prior hydraulic monitoring events. There was approximately three to five feet elevation difference between the 2005 and 2011 monitoring events.

Hydraulic conductivities at the Site were determined through single-well response (slug) tests at five (MW-1, -2, -5, -6, and -7) monitoring wells in November 2000. Rising-head and falling-head tests were conducted on each well. Hydraulic conductivities were calculated with AQTESOLV® using the Bouwer and Rice (1976) straight-line analytical method. The calculated hydraulic conductivity values ranged from 4.6×10^{-5} to 2.0×10^{-3} centimeter per second (cm/s). The rising head (i.e., slug out) tests generate

data that better represent the true saturated formations; therefore, CRA used only those data in calculating a representative hydraulic conductivity value for the Site, which is 1.6×10^{-4} cm/s. This value is the geometric mean[4] of the values for MW-1, -2, -5, -6, and –7. This range of hydraulic conductivity values corresponds with the range of values typically associated with silty sand and silt (Freeze and Cherry, 1979).

Based on the measurements of the surface water elevations at the three staff gauges (Staff Gauge 1,2 and 3) on Table 3.2B, the surface water in the stormwater channel is between 2.8 feet (Gauge 1(upstream)) to 11 feet (Gauge 3 (downstream)) higher than the underlying groundwater confirming that the channel water is discharging into the groundwater.

3.3 HISTORICAL SITE DATA

The historical Site data for the soil, groundwater, surface water, and sediment are summarized on tables and figures which have been used to develop the CSM described herein. Pre-remediation data were considered to identify various historical sources and release points. The historical sample locations for each sample media (soil, groundwater, surface water and sediment) are provided on Figures 3.3 through 3.5. The historical analytical data are summarized on Tables 3.3 through 3.6 for each sample media in comparison to the Type 1 and 4 RRS.

Regulated Site COCs are compared to the established criteria (Type 1 and Type 4 RRS). Type 1 RRS were used as delineation criteria and Type 4 as remediation criteria for the soil, sediment and groundwater media. In-stream water quality standards (ISWQS) were used as the delineation/remediation criteria for surface water samples.

3.4 CURRENT SITE CONDITIONS

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. The current soil, groundwater, surface water, and sediment conditions are summarized in Sections 3.5 through 3.8, respectively. Section 3.9 presents the vadose-zone soil gas data completed at select locations of the Site. The current Site conditions for soil, groundwater, and sediment and surface water are presented on

[4] Geometric mean is used to evaluate hydraulic conductivity data, which typically covers several orders of magnitude. An arithmetic mean (average) is biased to a high result.

Figures 3.6 through 3.8 and the respective analytical data are summarized on Tables 3.7 through 3.10

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 also suspected of contributing to the presence of chlorinated volatile organic compounds (VOCs).

Impacted soils and sediments 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 trench. 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.

Cross-sections provide locations and results of currently applicable (above the RRS) soil and groundwater samples. Only soil samples that exceeded the RRS (Type 1 or 4) are presented on the cross sections to show the current site conditions. Figure 3.9 shows the locations and alignments of the cross-sections. Figures 3.10A, 3.10B and 3.11 present the west to east (A-A', A-A' Supplemental and B-B' respectively) stratigraphic cross sections with applicable historical soil data and the current (August 2011) groundwater data. Figures 3.12 (C-C'), 3.13 (D-D'), 3.14 (E-E') and 3.15 (F-F') provide the cross-sections from south to north at the western, central and eastern portion of the Site respectively. Applicable historical soil sample locations and results and the current groundwater analytical data are presented on each cross section. Where the stratigraphic descriptions for some of the soil boring locations could not be located, the soil descriptions in the cross-sections could not be correlated.

3.5 SITE SOILS

Investigations conducted at the Site to date have shown that soils generally comply with Type 1/4 RRS except for PCBs. PCB concentrations that exceed HSRA Type 1/4 RRS occur at various locations beneath and adjacent to the stormwater drainage channel; locations beneath the building footing (Stations 1+75, 2+00, 2+25, 2+50, 2+75, 3+00, 3+50, 3+75, 4+00, and 4+25); isolated locations beneath the west end of the Site (Stations 1+31, 1+50, B-38, B-43, B-45, B-49, and B-50); one location in the vicinity of the former indoor trench (BH-8); and near the east side of the building (DP1 7-8' and DP3 7-8'). These areas are further described below.

Majority of the impacted soil areas identified during previous investigations were excavated/removed; these locations are identified on analytical summary Tables 3.7A and B.

3.5.1 STORMWATER 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 1/4 RRS for PCBs were reported in some soils situated beneath the 3-foot limit of excavation. In addition, certain post-excavation confirmation samples were in excess of the Type 1/4 RRS, including locations that lie beneath the building footing on the south face of the channel excavation (Stations 1+31, 1+50, 1+75, 2+00, 2+25, 2+50, 2+75, 3+00, 3+50, 3+75, 4+00, and 4+25); refer to Figure 3.6 for soil sample locations and maximum exceedances from Type 1/4 RRS and Table 3.7A (Type 1 RRS) and 3.7B (Type 4 RRS) for details on analytical results. These locations are isolated beneath the building footing and secured laterally by the soil and riprap 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.

3.5.2 WEST END OF SITE

The September 2003 Soil Removal Program 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 some PCB impacted soil remained in place Confirmation soil samples from the western wall, B-49 (4 to 8 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 3.7A and 3.7B for analytical data).

3.5.3 ON-SITE BUILDING AND EAST END OF SITE

Previous soil samples collected in the area of interior trench drain and sump in the building had indicated PCB concentrations. Soil excavation was completed at the interior trench and sump area during the removal of the sump in November 2007. 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 3.6) exhibited PCB concentrations below the Type 1 and 4 RRS. One sample collected outside the excavation limits of the former trench and 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 collected directly below (collected at 5 feet bgs) had no detection of PCBs. The locations of BH-8 and excavation areas are illustrated on Figure 3.6.

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'), and 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 concentrations 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 (DP1 7-8' at 11 feet) and the western (DP 3) sidewall at 7 to 8 ft-bgs 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 3.6.

3.6 GROUNDWATER

The most recent semi-annual groundwater sampling was conducted on August 22 and 23, 2011. Groundwater sampling procedures were conducted in general accordance with the Environmental Protection Agency (EPA) Region IV, Field Branches Quality System and Technical Procedures (FBQSTP) guidance documents[5]. All samples were collected in laboratory supplied containers containing appropriate preservative, if required.

Prior to groundwater sampling, each monitoring well was purged using low-flow purging (LFP) techniques or removing three volumes based on drawdown observed. The LFP technique was performed using a peristaltic pump fitted with new disposable polyethylene tubing prior. During the LFP, the water level was monitored approximately every five minutes, or as appropriate. Field parameters (i.e., pH, conductivity, turbidity, temperature, dissolved oxygen [DO], and oxidation-reduction potential [ORP]) were measured every five minutes in a flow-through cell. Flow rates were monitored, and maintained within a certain range to minimize drawdown of the water column. Drawdown in some of the sampled monitoring wells was recorded above the standard draw down of 0.35 ft in which case three volume purging technique was implemented. Stabilization of parameters in the groundwater in the screened interval was evaluated using the real-time parameter data measured by the flow-through cell of a calibrated Horiba U-53 and was determined when three consecutive sets of parameter measurements were within specific ranges[6].

Following stabilization of parameters for LFP or after removing three volumes, the pumping was temporarily stopped and VOC samples were collected from the suction end of the polyethylene tubing utilizing the "soda straw" method. At select locations, remaining sample parameters (non-organic) were collected prior to VOC sample collection and from the discharge end of the silicon tubing while the pump was running. Purge waters were containerized and dumped into the on-Site Pump and Treat System. Appendix D provides summary of low flow measurements that were collected during purging activities for each monitoring well location.

[5] Science and Ecosystem Support Division (SESD) Guidance Numbers SESDPROC-105-R1 and SESDPROC- 301-R1

[6] pH ±0.1 pH units of the average value of the three readings; temperature ±3 percent of the average value of the three readings; conductivity ±0.005 milliSiemen per centimeter (mS/cm) of the average value of the three readings for conductivity <1 mS/cm and ±0.01 mS/cm of the average value of the three readings for conductivity >1 mS/cm; ORP ±10 millivolts (mV) of the average value of the three readings; DO ±10 percent of the average value of the three readings; and turbidity ±10 percent of the average value of the three readings or a final value of less than 5 NTU.

Site-wide depth to water measurements was conducted in September 2011. 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 by monitoring wells MW-5, MW-6 and MW-11 on the south; by monitoring wells MW-1 and MW-5 on the west/southwest; by monitoring wells MW-7, MW-8, and MW-11 on the east. Monitoring well MW-9 is an off-site well located northeast of MW-7. Groundwater sampling locations are illustrated on Figure 3.4.

Tetrachloroethylene (PCE) was sporadically detected in MW-1 above the groundwater Type 1 and Type 4 RRS since August 2003. Trichloroethylene (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 monitors groundwater entering the Site from the southwest.

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 RRS criteria. The TCE concentration in MW-12D is also above the Type 4 RRS. 1,2,4-trichlorobenzene was also detected in MW-12 and MW-12D above the Type 1 and Type 4 RRS criteria. PCBs were detected at MW-3, MW-12, MW-12D, and RW-1, above both Type 1 and Type 4 RRS. All four wells are located in close proximity to one another on the western side of the Site inside the former 50-ft slab in the vicinity of the former 48-inch trench.

During the most recent semi-annual groundwater sampling event, no regulated COCs were detected in MW-5 and MW-11. 1,1-dichloroethane (1,1-DCA) and cis-1,2-dichloroethylene (cis-1,2-DCE) were detected above their respective laboratory reporting limits but below the Type 1 and 4 RRS in MW-6. The southern limit will be assessed by continued semi-annual monitoring of the above three monitoring wells. PCE and 1,1-dichloroethylene (1,1-DCE) were detected in MW-6 in August 2010 slightly above the Type 1 RRS. Evaluation of the analytical data obtained through the years indicates that groundwater conditions at the Site are generally stable. The groundwater historical analytical data is summarized in Tables 3.4A and 3.4B in comparison to the Type 1 and Type 4 RRS, respectively.

The eastern limit of the plume is generally defined by monitoring wells MW-11, MW-8 and MW-7. None of the regulated Site COCs were detected at MW-7 and MW-11 during the recent (August 2011) groundwater monitoring event. A marginal exceedence of the Type 1 RRS was reported in MW-7 for TCE during the August 2010 sampling event. TCE had not been detected in MW-7 since 2004. 1,4-dichlorobenzene was detected at MW-8 above the Type 1 and 4 RRS during the recent and previous events. These

anomalies will be further assessed during the future semi-annual monitoring events and further investigations.

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.

None of the regulated Site COCs was detected in the off-Site monitoring well, MW-9, during the recent groundwater-monitoring event (August 2011). A trace concentration of PCE was reported in this well in August 2010, which represented the first such detection since monitoring started December 2003. No PCE, or any other VOC, has been detected in subsequent (February 2011 and August 2011) monitoring at MW-9. Groundwater monitoring at MW-9 will continue during the scheduled sampling event.

The groundwater analytical data, which show the current condition of the Site, are summarized on Table 3.8A and 3.8B in comparison to the Type 1 and 4 RRS respectively. The most recent groundwater analytical results are also presented on Figures 3.7 (data boxes), Figures 3.7A through 3.7C as isopleths for PCBs, chlorinated VOCs and benzene respectively.

3.7 SURFACE WATER

Surface water sampling from the storm water channel has been ongoing since July 1993 at various sample locations. USEPA collected three grab surface water samples from the ditch at the outfall of the storm sewer (EPA-4A), 70 feet downstream of the outfall adjacent to the outfall from the former oil-water separator (EPA-03A), and at the inlet to the culvert under Southland Circle (EPA-01). USEPA surface water sample locations are shown on Figure 3.5.

A surface water sampling program was implemented by establishing three surface water sampling locations (upstream, midstream and downstream). Surface water sampling has been conducted for more than ten years.

Surface water sampling showed a PCE concentration of 28 micrograms per liter (µg/L) at the upstream location (SW-1/WS-3), and 7.4 µg/L at midstream location (SW-2) during the August 2011 sampling event, both exceeding the ISWQS for PCE of 3.3 µg/L (Table 3.9). PCE was not detected at the downstream location (SW-3) during this event. Historically, PCE concentrations above the ISWQS have been reported from the upstream location. Historical surface water analytical data are summarized on Table 3.5. These observations are consistent with the observation of an upgradient source of chlorinated VOCs in shallow groundwater. No PCBs were detected in the three surface water sample locations: upstream, midstream or downstream.

Locations of all historical surface water and sediment sample locations are provided on Figure 3.5 and current surface water condition are presented on Figure 3.8.

3.8 SEDIMENT

Sediments/soils along the stormwater channel containing elevated PCB concentrations were removed during the 2003 IRM. Some post-excavation confirmation samples were in excess of the Type 1/4 RRS. PCBs in certain confirmation sample locations beneath the footing on the south face of the excavation, alongside the building were reported above the RRS. The February 2003 confirmation soil/sediment sample locations are shown on Figure 3.6.

CRA believes that the primary on-Site source of PCB releases to the stormwater channel was the former 48-inch trench west of the 50-foot concrete slab. Post-excavation confirmation samples upstream of this entry point had no detectable PCB concentrations. Prior to channel remediation, however, low concentrations of PCBs were found at several locations that were upstream of this entry point. The maximum concentration (69 mg/kg) was reported by USEPA in a soil sample (EPA-03B) collected 50 ft upstream, where storm runoff discharging from the former oil/water separator (Figure 3.3) landed on the soil, slightly above the wetted perimeter of the channel. Kiber's follow-up sampling in the same location detected 11 mg/kg PCBs. Kiber detected 2 and 2.8 mg/kg total PCBs in two shallow channel samples collected between the former oil/water separator and the entry point from the 48-inch trench. At the beginning of the 2003 channel remediation, CRA sampled a shallow stained zone upgradient of the Property at the northern edge of the channel, 10 feet east of the outlet of the storm sewer (approximately 0+10, see Figure 3.3). Although the petroleum hydrocarbon content was high, the total PCB concentration was low (1.1 mg/kg). All other pre-remediation upstream samples had less than 0.5 mg/kg PCBs.

The current stormwater runoff path from the southern half of the west yard converges at a swale at the southwestern corner of the property, then turns to the north northwest, flowing along a well-defined ditch just beyond the west property line until it joins the main east-west stormwater channel. Both the current and former runoff pathways for the southwestern part of the Site implicate runoff generated on properties to the south of the Site. The west ditch receives surface runoff from more than one property to the south.

Off-Site releases that may have contributed to soil impacts in the main stormwater channel include releases into the storm sewer that discharges onto the Site. The sewer drains an area between the Tilford Rail Yard and Marietta Boulevard where CSX is conducting active recovery of diesel fuel from atop the water table. CSX reported, in its HSRA notification, that the recovered groundwater contained vinyl chloride, 1,1-DCE, 1,1-DCA, *cis* and *trans* isomers of 1,2-dichloroethylene, benzene, ethylbenzene, and xylenes.

The on-Site sediment trap was cleaned out approximately four weeks before the August 2011 sediment sampling. During the sampling event, low levels of PCBs were detected in the sediment sample collected from the sediment trap previously installed during the IRM conducted in 2003. The PCB concentrations in this latest sampling were below the Type 1/4 soil RRS and continued to show a downward trend. These low PCB concentrations reflect the abatement of potential PCB sources to the on-Site storm water channel, including Site soils and sediment.

The locations of all historical sediment and surface water sample locations are presented on Figure 3.5 and current conditions are presented on Figure 3.8. Historical regulated compounds in Site sediment samples are summarized on Table 3.6 and more recent sediment data are presented on Table 3.10.

3.9 SOIL GAS

CRA conducted sampling of vadose zone soil gas as a means of assessing the presence or absence of VOCs in shallow groundwater at five locations around the perimeter of the Site in November 2000. The steep hillside north of the storm water ditch presented considerable physical difficulties for the installation of conventional groundwater monitoring wells. Therefore, passive gas collectors were used at three locations north of the channel (B-21, B-30, and B-31) at approximately 3.0 to 3.5 ft bgs. The historical soil gas sample locations are shown on Figure 3.16.

Sample location B-21 is along the overland flow path for run-on to the Site from northwest of the Site. Locations B-31 and B-30 are aligned with the northwest and northeast corners of the building, respectively. Collectors were also installed at B-32 (2.0 ft bgs) west of the Site and at B-20 (1.25 ft bgs) located at the southwest corner of the Property. For quality control purposes, a collector was installed at B-24 (3.6 ft bgs) (near MW-2), an area with known groundwater impacts from VOCs. The vadose zone gas monitoring was conducted in accordance with American Society for Testing and Materials (ASTM) D5314-93 (*Standard Guide for Soil Gas Monitoring in the Vadose Zone*), specifically Section 6.2.5 (*Sorbed Contaminants – Passive Approach*).

All collectors were retrieved on the same day, but not all access tubes were ready when the first collectors were installed. The number of days of exposure was 16 for B-20, B-21, B-30, B-31; 15 for B-32; and 11 for B-24, the field blank, and the trip blank. The collectors were sent for analysis to Environmental Services Network -Southeast (ESN-Southeast) in Kennesaw, Georgia. The ESN-Southeast laboratory thermally desorbed the samples and analyzed VOCs by SW-846 Method 8260B. The laboratory was requested to quantify as many of the TCL VOCs as its calibrations allowed and to specifically quantify all VOCs detected at the Site plus all di- and trichlorobenzenes.

All VOC compounds in vadose zone soil gas were reported below associated laboratory reporting values in samples collected from B-20, B-21 and B-32. Certain VOCs were detected above the laboratory reporting limits at B-30 and B-31. Several VOC compounds were detected above their respective reporting limits at B-24. B-24 is located near MW-2, an area with known groundwater VOC impacts. Detected VOC compounds in the vadose zone gas samples are summarized in Table 3.11.

4.0 POTENTIAL RECEPTORS AND EXPOSURE PATHWAYS

The extent of known soil, groundwater and sediment exceedances of the Type 1 and 4 RRS and surface water exceedances of the ISWQS are illustrated on Figures 3.6, 3.7 and 3.8, respectively. All regulated 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. Equipment would be required to breach the existing covers; therefore, the direct exposure pathway is not considered complete for trespassers, visitors, or occupants. This exposure pathway is considered complete for utility/construction workers and will be managed by existing engineering controls, the Restrictive Covenants and a Soil Management Plan.

Gauging data indicate that the water levels in the stormwater drainage channel are typically higher than the groundwater potentiometric surface all along the length of this channel at the Site. Accordingly, under most (if not all) climatic conditions, the surface water discharges to groundwater and there is no potential for groundwater discharge to surface water. As an added precaution, to provide definitive hydraulic control of the existing groundwater pump and treat system provides hydraulic control and limits the potential mobility of the impacted groundwater in the area of the former 48-inch trench. 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 from the sediment trap

may be from off-Site upstream sources, residue remaining following the channel remediation, or exfiltration of impacted groundwater or light non-aqueous phase liquid (LNAPL) through the retaining wall. To the extent that Site hydraulic conditions could allow discharge of groundwater to surface water, the potential for exfiltration of groundwater and LNAPL is eliminated as a 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.

Vapor intrusion is considered a potential exposure pathway for occupants of the existing on-Site building and any occupied downgradient structures that are determined to be within the limits of the groundwater plume (refer to Section 4.2). Although there are no known groundwater users on or immediately downgradient of the Site, exposure to groundwater will be assessed as a potential exposure pathway (refer to Section 4.3). Based on current and anticipated future use of these buildings, no other potential receptors are reasonably expected to be applicable for the Site.

4.1 POTENTIAL ROUTES OF MIGRATION

Potential migration routes of the Site COCs at the Site include surface water runoff, surface water infiltration, groundwater transport and vapor intrusion into any occupied buildings. The Site is mostly paved with storm water drainage inlets. Rainwater rate of migration into the subsurface is hindered by the concrete and asphalt cover on Site promoting surface water pooling and runoff. Surface water at the Site partially drains into the stormwater sewers on Site. In addition, surface water runoff flows via sheet flow directly into the drainage ditch.

Groundwater flows through the shallow water bearing and saprolite layers potentially discharging partially into the bedrock aquifer. Groundwater flows off-site to the east in the shallow and saprolite aquifer. Some Site data indicate that some downward migration of impacted groundwater into the bedrock aquifer may be occurring as seen at MW-12D.

The surface water in the on-Site storm water Channel flows west-east on the northern part of the Site at an elevation below the surface exposure of the groundwater. The

highest groundwater elevation in the shallow aquifer is approximately 2.8 ft below the surface water elevation west of the building and approximately 10 ft below surface water elevation east of the building. The groundwater pump and treat system installed at recovery wells MW-3 and RW-1 at the Site controls the hydraulic gradient and groundwater flow into the surface water.

4.2 VAPOR INTRUSION ASSESSMENT

Potential exposure routes to be addressed include inhalation of vapors attributable to vapor intrusion into the on-Site commercial building (warehouse) from impacted underlying soils or groundwater.

A vapor intrusion assessment will be conducted at the on-Site building and any potentially impacted off-Site occupied buildings based on the results of the downgradient groundwater delineation.

Groundwater contaminant fate and transport modeling will be conducted to assess if the groundwater plume poses a risk at the applicable points of exposure (POE) including any potential receptors in downgradient structures via vapor intrusion. The model will be calibrated using available site-specific hydraulic and analytical data from soils and groundwater.

4.3 GROUNDWATER USE

A groundwater use survey will be conducted in the immediate vicinity of the Site to assess groundwater extraction using private water wells or public water supply wells and to eliminate any potential exposure pathways. During the survey, the well owners will be asked to provide the following details: age of water well, water well construction details, use of groundwater, frequency of groundwater extraction, additional relevant information. Water wells in the immediate vicinity of the Site, if any, will be sampled for Site COCs. In the event that groundwater impact is identified in the sampled groundwater, EPD and residents will be immediately notified. Residents may also be advised to obtain water from the public water supply system. In the event no groundwater users are identified within 1,000 feet of the Site, a hypothetical point of exposure shall be assessed in accordance with the regulations.

5.0 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) Evaluation and, if needed, continued operation of the existing groundwater pump and treat system to provide hydraulic control as needed to reduce the exfiltration of groundwater, with the potential to convey Site COCs as well as LNAPL, 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 and sampling of sediment at upgradient location of the stormwater 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, 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.

5.1 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 5.1.

5.2 GROUNDWATER EXTRACTION SYSTEM

As previously noted, a groundwater pump and treat (P&T) 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 that groundwater cannot exfiltrate into the channel. The system has extracted in excess of 1,100,000 gallons of groundwater since being put into operation. The total mass of dissolved VOCs and PCBs removed through this recovery and treatment system, which is designed for hydraulic control and not mass removal, is calculated to be less than one pound. 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 has continued for the past several years. Based on the historical and recent measurements of groundwater at the recovery wells (RW-1 and MW-3) and surface water elevations at the staff gauges, the stormwater channel discharges into the groundwater. The highest groundwater elevation measurements during the October 2003 event in RW-1 and MW-3 were slightly below the overall surface water elevations. During occasional repair and maintenance of the P&T system, the system was shut down from one to several weeks. During the shut down periods, there was minimal increase of groundwater elevations which did not affect the surface water flow direction.

Accordingly, CRA proposes to shut the P&T system down for duration of one to three months and monitor the surface water (staff gauges 1,2 and 3) and groundwater elevations around the stormwater channel (RW-1, PZ-1, PZ-2, MW-2, MW-3 and MW-12) on a weekly basis.

5.3 SEDIMENT TRAP

The on-Site sediment trap was last cleaned out in July 2011, approximately four weeks before the August 2011 monitoring event. The sediment trap will be visually monitored quarterly and cleaned out semi-annually to remove accumulated sediment and rip rap. Accumulated sediment will be sampled semi-annually. Additional sediment samples at the on-Site upstream end of the channel will also be collected to assess sediment impacts attributable to sources located upstream of the Site.

5.4 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 nominal 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.

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 soil is 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.

5.5 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 the following:

- 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.
- 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.

5.5.1 MAINTENANCE OF CAPS AND COVERS

All caps and covers that overlie soils that exceed the Type 1 RRS will be inspected a minimum of quarterly. 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 quarterly inspection. The Soil Management Plan and associated inspection logs will be maintained in the pumphouse.

5.5.2 MANAGEMENT OF EXPOSED SOILS

As will be required by the proposed environmental covenants (refer to Section 5.6), 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.
- 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.
- 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.

5.6 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:

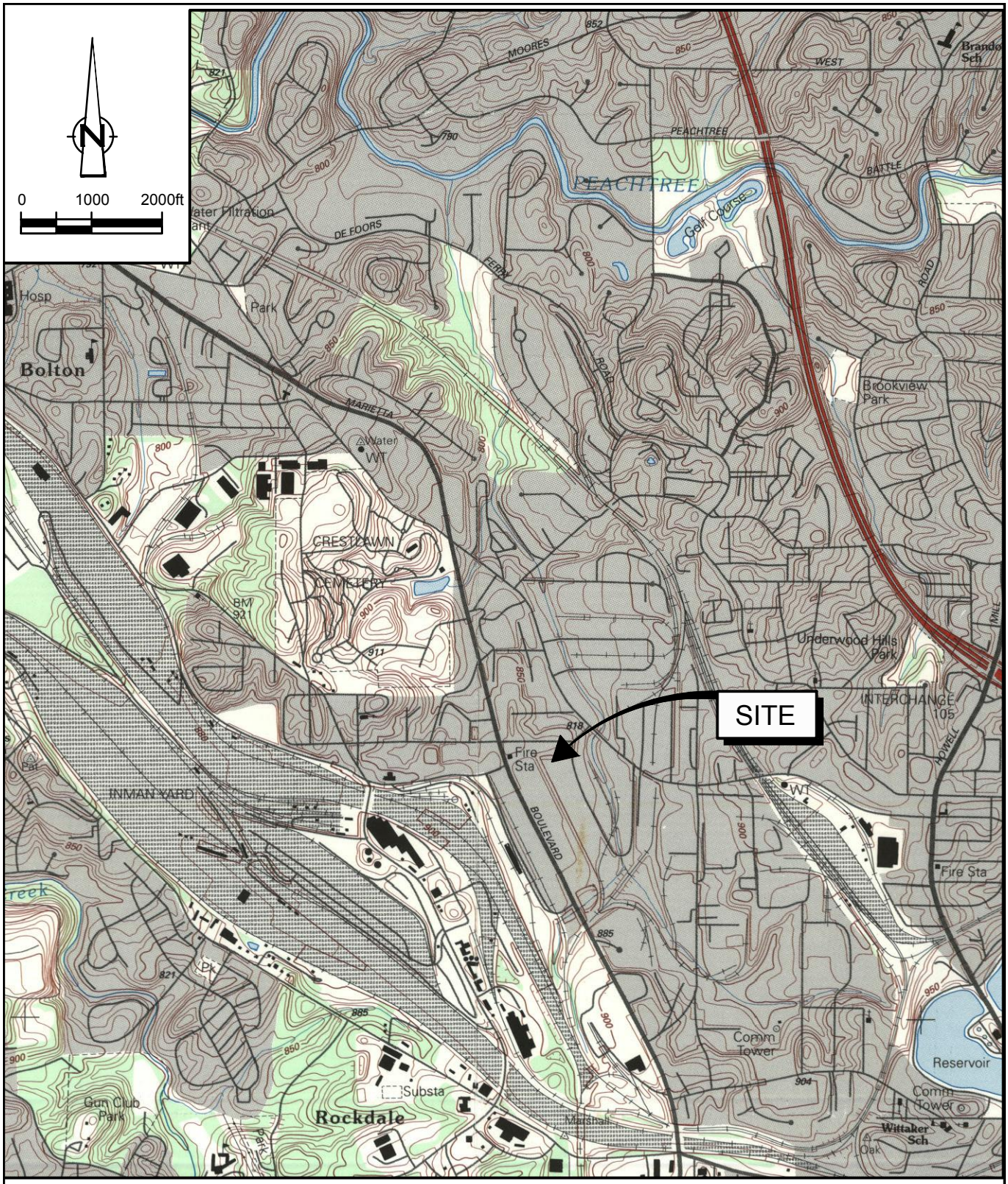
- The Property shall remain in non-residential use as defined in Georgia EPD Rule 391-3-19-.02(2) and the Property, in whole or in part, shall not be used for residential or agricultural purposes.
- There shall be no development or use of the Property or any other activity conducted thereon that causes 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.
- 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.

6.0 MILESTONE SCHEDULE

A milestone schedule is provided as Figure 6.1. Semi-annual monitoring (for on-Site groundwater, surface water, and sediment) performed pursuant to the 2005 CAP will continue as part of the VIRP remediation plan. The next semi-annual monitoring event is scheduled for February 2012. The first semi-annual VIRP progress report shall be submitted in May 2012 and shall supersede the previously submitted progress reports once the Site is enrolled in the VIRP.

FIGURES



SOURCE: USGS QUADRANGLE: NORTHWEST ATLANTA, GA (1993)

figure 2.1
SITE LOCATION MAP
1610 SOUTHLAND CIRCLE
Atlanta, Georgia

0 10 30ft

SEPTEMBER 2003 EXCAVATION LIMIT

P&T TREATMENT SHED

RAW WATER EQUALIZATION TANK

TREATED WATER TANK

SEDIMENT TRAP

54" RCP STORM SEWER

M.H.

SOUTHLAND CIRCLE

EAST RIGHT-OF-WAY

CONCRETE PAD

SURFACE DRAIN THROUGH WALL

BRICK BUILDING

2-STORY OFFICES

FORMER OIL-WATER SEPARATOR

RETAINING WALL

D.I. SURFACE DRAIN THROUGH WALL

POINT OF DISCHARGE TO BUILDING SEWER

PLUGGED DISCHARGE POINT

CONCRETE

DOORS

DOOR PIT

D.I. (2'x2')

48" RCP STORM SEWER (SURFACE WATER RUN-ON)

LOCATION OF FORMER UST's

FORMER 48-INCH TRENCH

JULY 1994 EXCAVATION LIMIT

SUMP

TRENCH DRAIN

NOVEMBER 2007 EXCAVATION LIMIT

ASPHALT

FORMER EDGE OF 50' SLAB

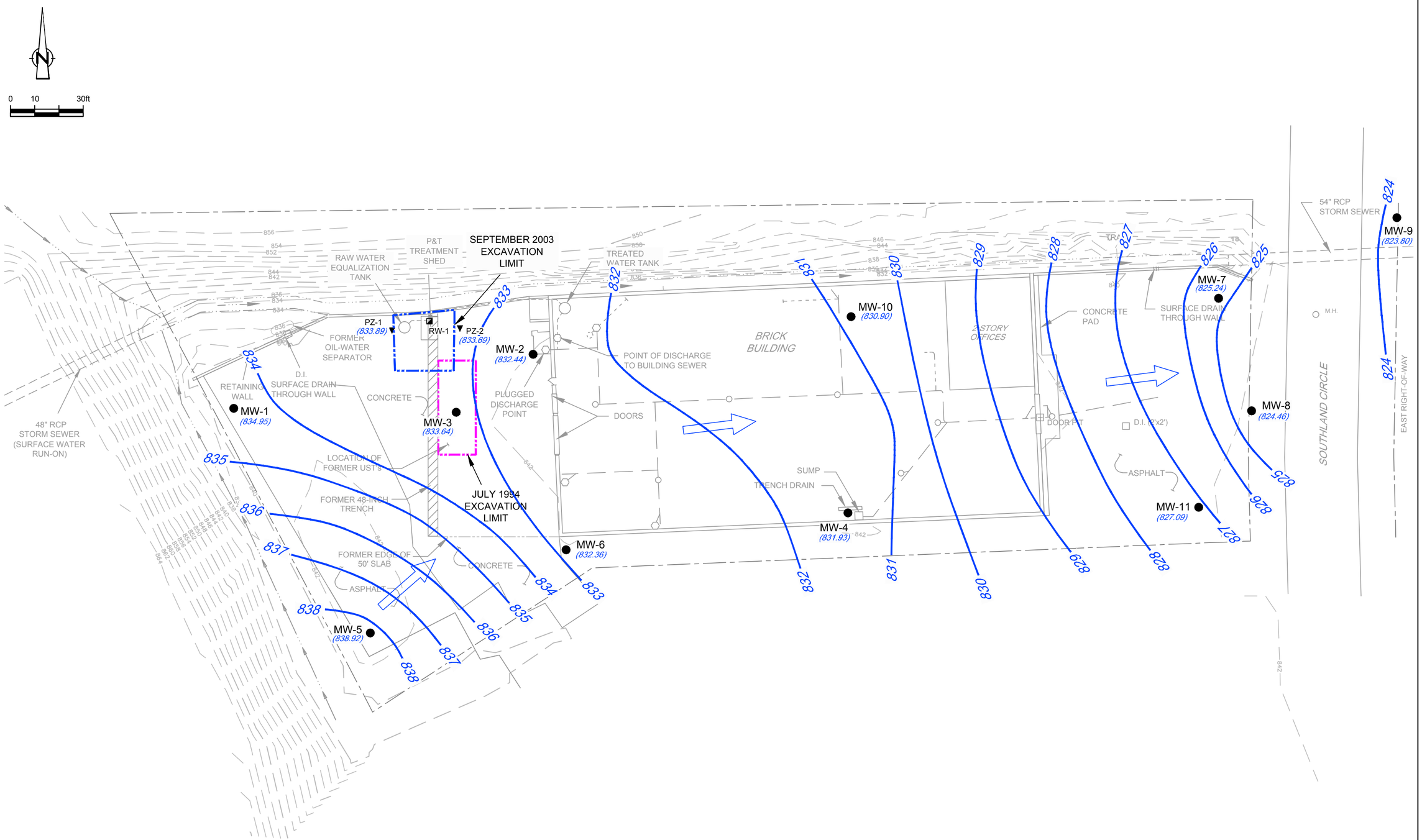
CONCRETE

ASPHALT

LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM

figure 2.2
SITE LAYOUT
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

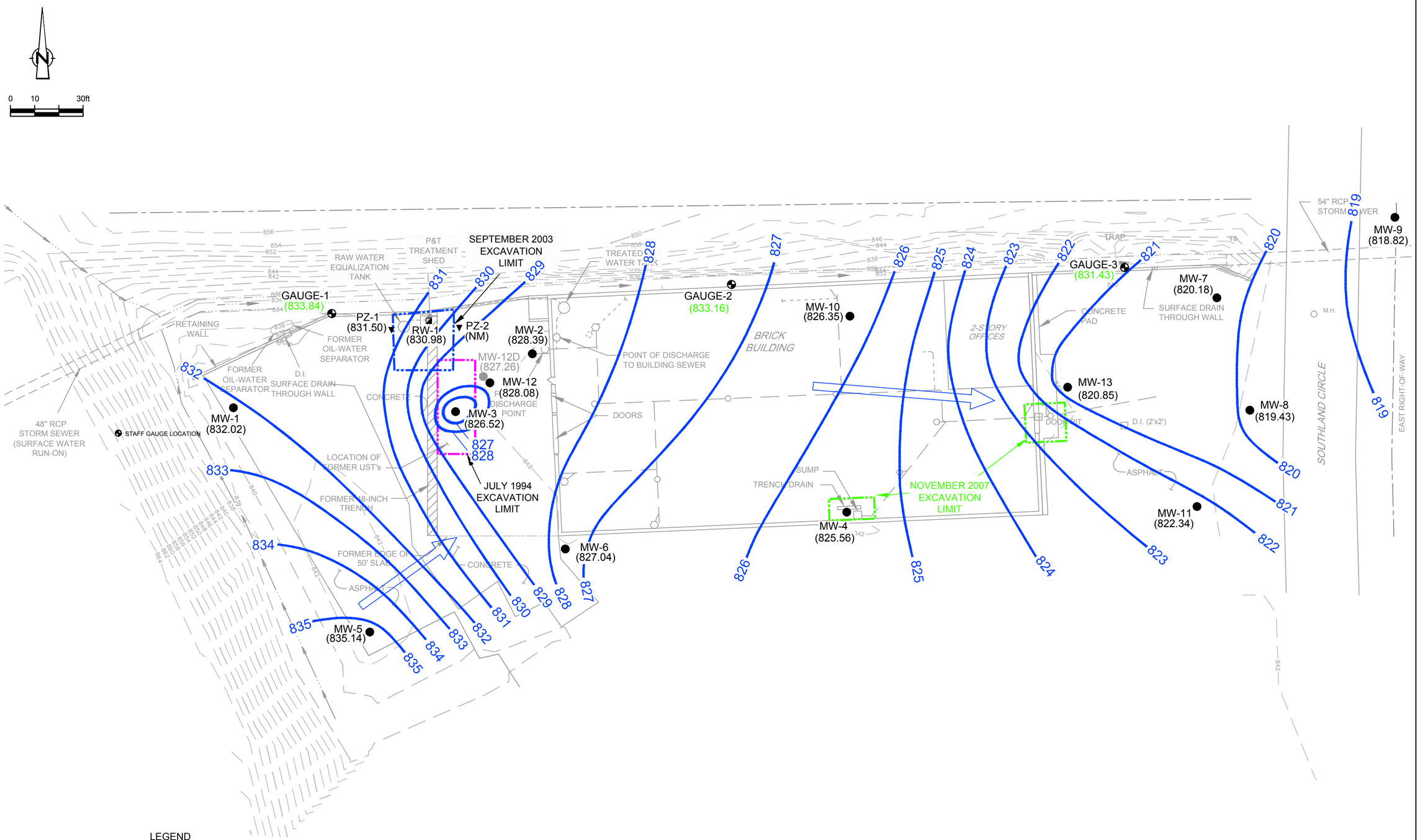


LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM
- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- RECOVERY WELL
- (838.92) GROUNDWATER ELEVATION (ft NAVD)
- 838 GROUNDWATER CONTOUR AND ELEVATION (ft NAVD)
- GROUNDWATER FLOW DIRECTION

figure 3.1
WATER TABLE MAP - JUNE 8, 2005
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR007 NOV 16/2011



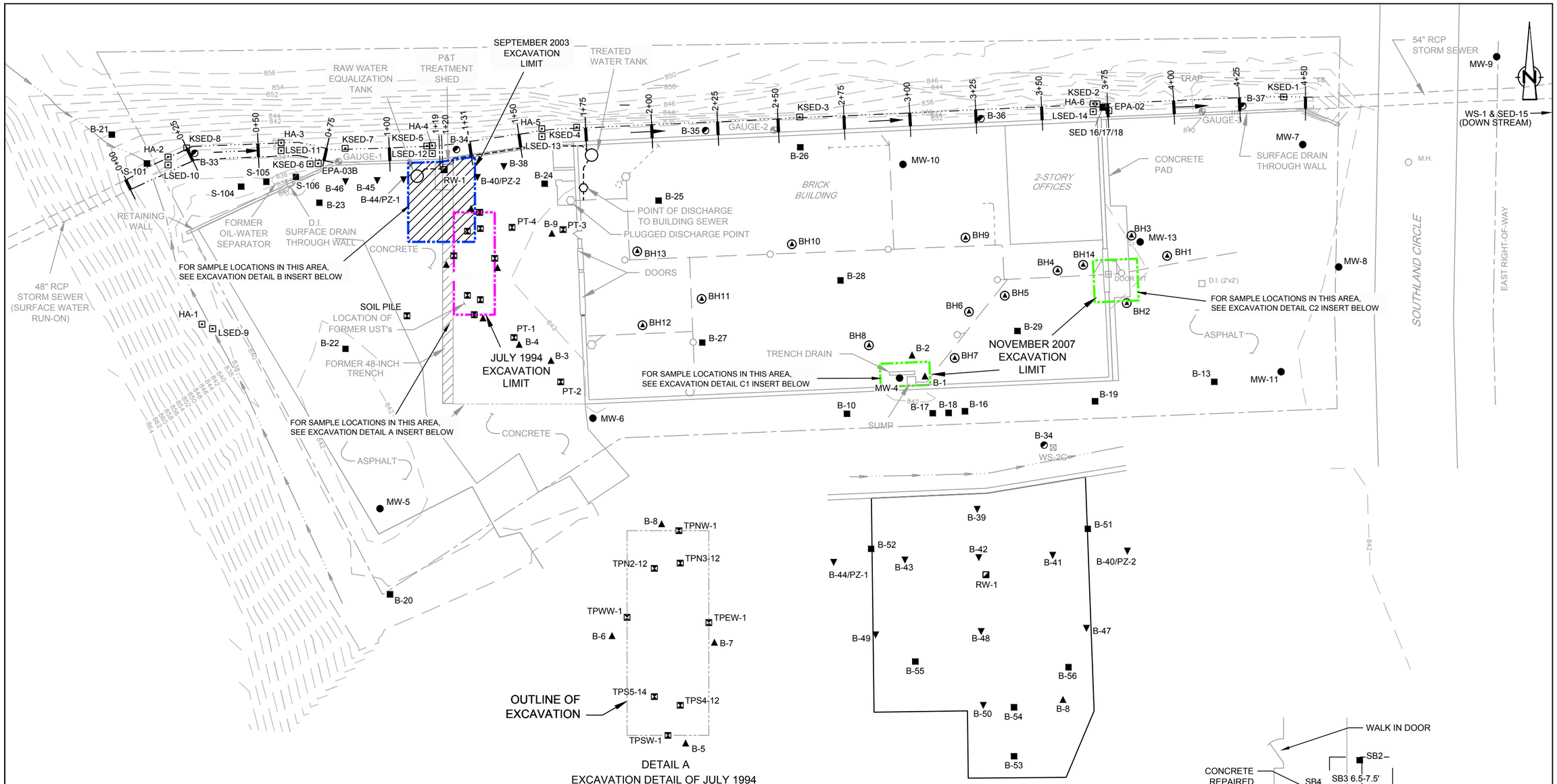
LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM

- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- RECOVERY WELL
- STAFF GAUGE LOCATION
- (833.84) STAFF GAUGE SURFACE WATER ELEVATION, (ft MSL)
- *(832.02)* GROUNDWATER ELEVATION (ft NAVD)
- *832* GROUNDWATER CONTOUR AND ELEVATION (ft NAVD)
- GROUNDWATER FLOW DIRECTION

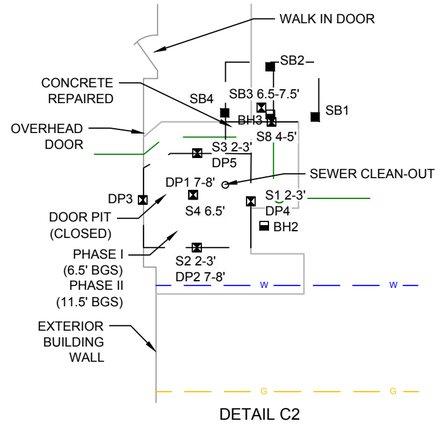
NOTES:
1. PZ-2 WAS NOT ACCESSIBLE, COVERED WITH PALLETS
2. RECOVERY WELLS RW-1 AND MW-3 WERE PUMPING DURING GROUNDWATER LEVEL MEASUREMENT.
3. MONITORING WELL MW-12D NOT USED TO DRAW GROUNDWATER CONTOURS BECAUSE IT IS A BEDROCK WELL.

figure 3.2
WATER TABLE MAP - SEPTEMBER 8, 2011
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

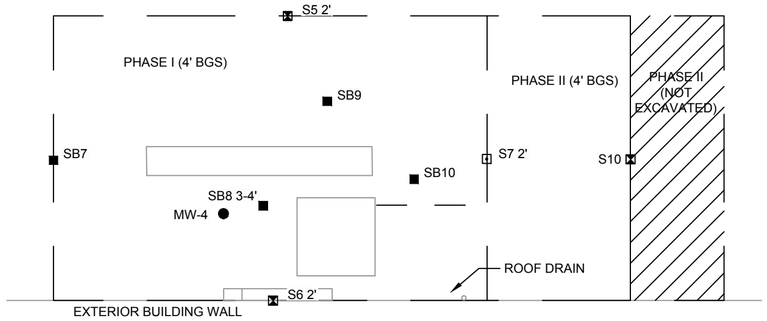


DETAIL A
EXCAVATION DETAIL OF JULY 1994
SCALE: 1"=20'

DETAIL B
EXCAVATION DETAIL OF SEPTEMBER 2003
SCALE: 1"= 10'



DETAIL C2
EXCAVATION DETAIL OF NOVEMBER 2007
DETAIL SCALE: 1"=10'



DETAIL C1
EXCAVATION DETAIL OF NOVEMBER 2007
SCALE: 1"=5'

0 10 30ft

LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- SOIL SAMPLES BY CRA
- IRM CONFIRMATION SAMPLES (NORTH WALL, CENTER-LINE, AND SOUTH WALL)
- 4-FOOT SOIL CORES
- GRAB SOIL SAMPLE
- RECOVERY WELL
- STAFF GAUGE LOCATION
- CHANNEL SAMPLE LOCATION
- GEOPROBE BORING LOCATION BY LAW

figure 3.3
HISTORICAL LOCATIONS OF SOIL SAMPLES
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR002 NOV 16/2011

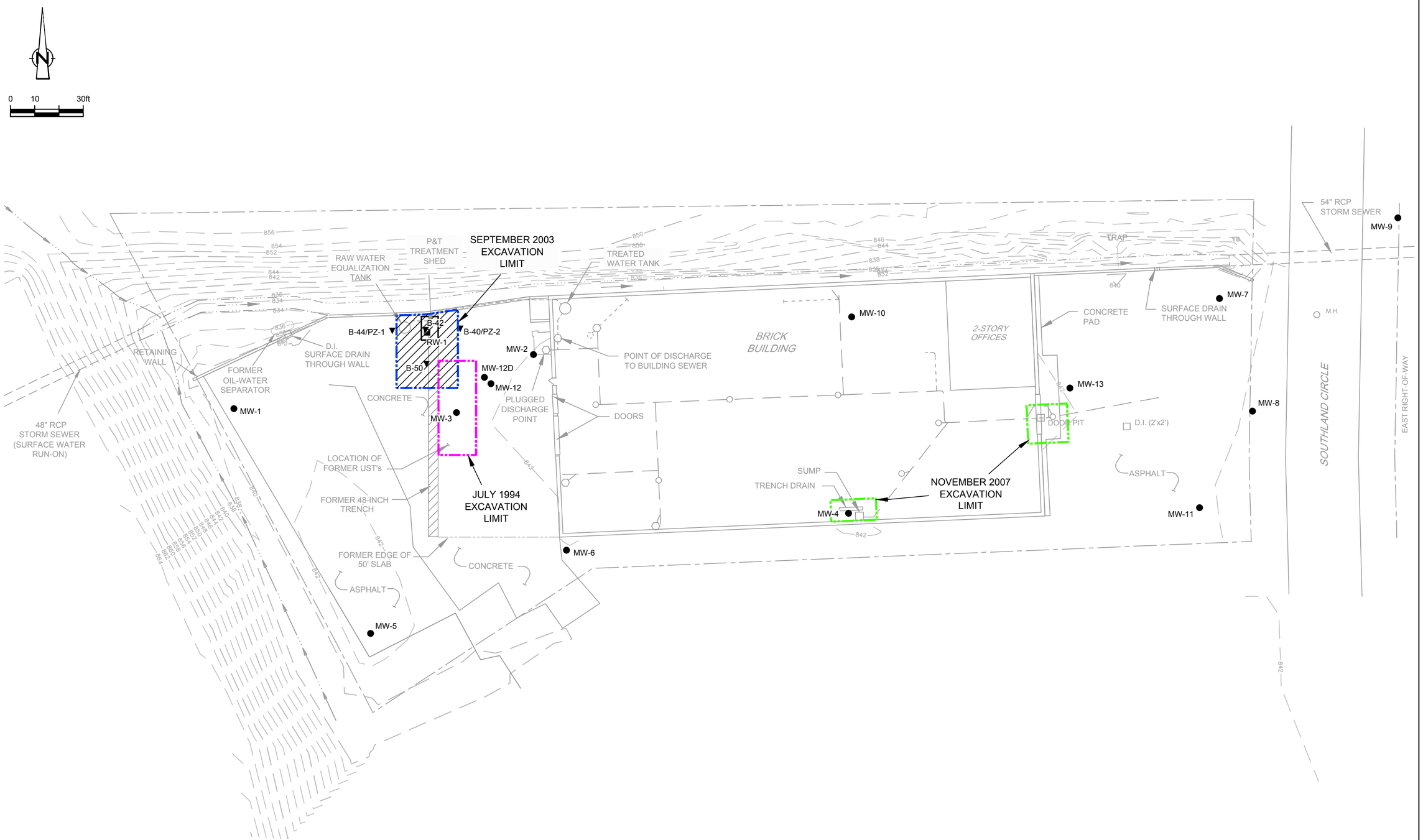
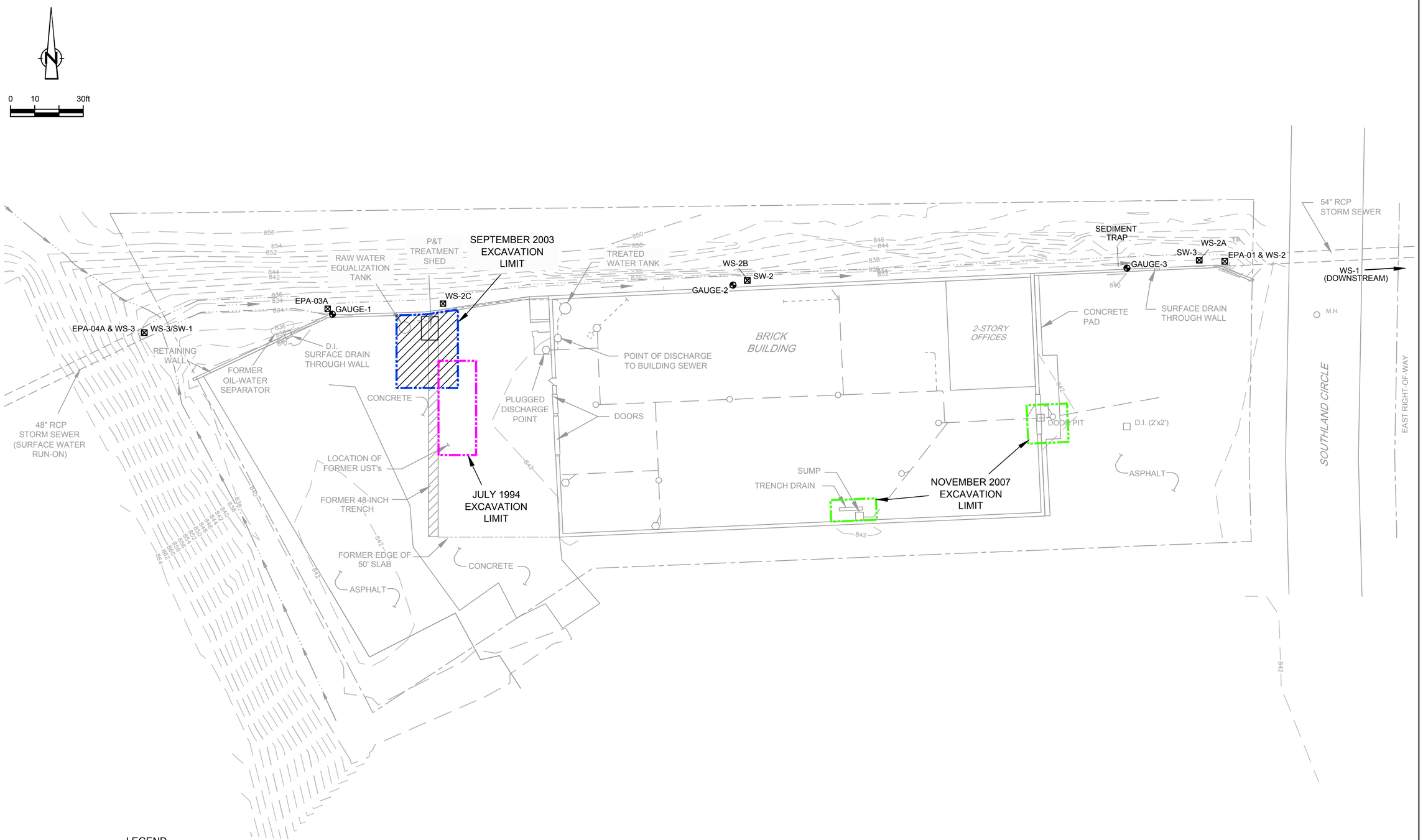


figure 3.4
LOCATIONS OF GROUNDWATER SAMPLES
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR004 NOV 17/2011



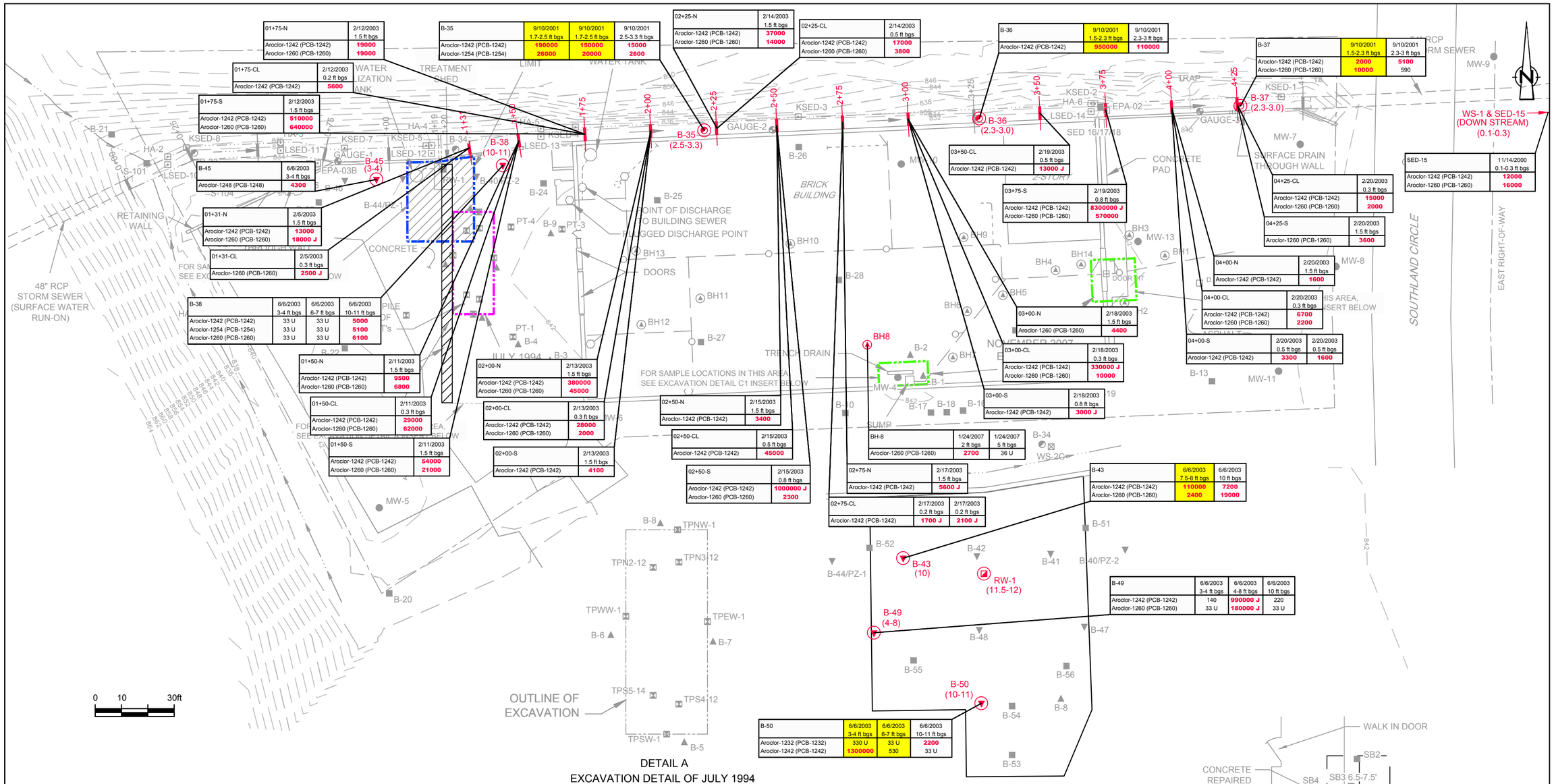
LEGEND

PROPERTY BOUNDARY		⊠	SURFACE WATER SAMPLE LOCATION
EDGE OF DRAINAGE CHANNEL		⊕	STAFF GAUGE LOCATION
DRAINAGE DITCH (INTERMITTENT)		TRAP	SEDIMENT SAMPLE LOCATION
CHAIN LINK FENCE			
D.I.	DROP INLET		
SANITARY SEWER LINE			
DRAIN INLET			
CLEAN OUT PLUG			
PVC ADDITIONS TO ORIGINAL SYSTEM			

NOTE: 1) SURFACE WATER SAMPLE LOCATION WS-3 WAS RENAMED AS "SW-1" AS OF AUGUST 2011 SAMPLING EVENT.

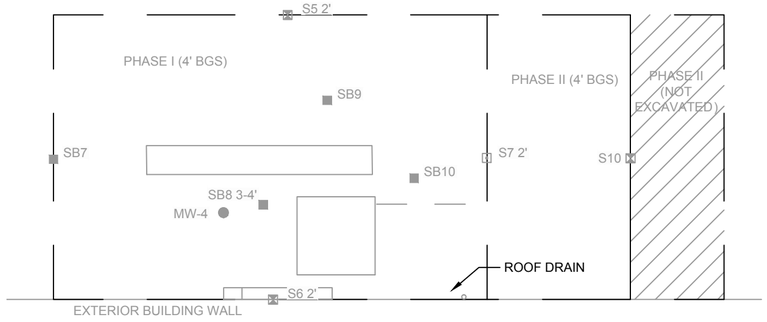
figure 3.5
LOCATIONS OF SEDIMENT AND SURFACE WATER SAMPLES
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR005 NOV 17/2011

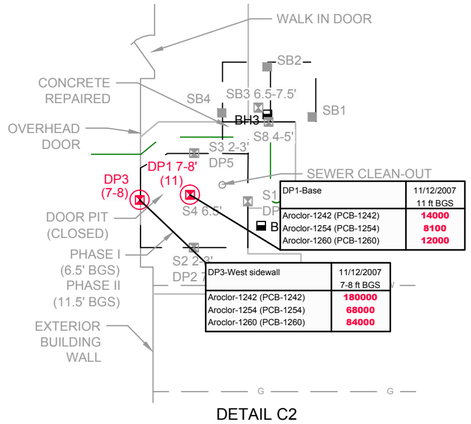


DETAIL A
EXCAVATION DETAIL OF JULY 1994
SCALE: 1"=20'

DETAIL B
EXCAVATION DETAIL OF SEPTEMBER 2003
SCALE: 1"= 10'



DETAIL C1
EXCAVATION DETAIL OF NOVEMBER 2007
SCALE: 1"=5'



DETAIL C2
EXCAVATION DETAIL OF NOVEMBER 2007
DETAIL SCALE: 1"=10'

LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- SOIL SAMPLES BY CRA
- IRM CONFIRMATION SAMPLES (NORTH WALL, CENTER-LINE, AND SOUTH WALL)
- 4-FOOT SOIL CORES
- GRAB SOIL SAMPLE
- RECOVERY WELL
- STAFF GAUGE LOCATION
- CHANNEL SAMPLE LOCATION
- GEOPROBE BORING LOCATION BY LAW
- B-45 (3-4) SOIL SAMPLE LOCATION AND DEPTH
- EXCAVATED SOIL

Chemical Name	Type 1/4 RRS SOIL	ppb units
Aroclor-1232 (PCB-1232)	1550	ug/kg
Aroclor-1242 (PCB-1242)	1550	ug/kg
Aroclor-1248 (PCB-1248)	1550	ug/kg
Aroclor-1254 (PCB-1254)	1550	ug/kg
Aroclor-1260 (PCB-1260)	1550	ug/kg

NOTES:
1) YELLOW HIGHLIGHTED SAMPLE INTERVALS HAVE BEEN EXCAVATED / REMOVED.
2) TYPE 1 AND TYPE 4 RRS FOR PCBs IN SOIL ARE THE SAME.
3) CONSTITUENTS WITH A DETECTED EXCEEDANCE ABOVE THE RRS AT EACH LOCATION ARE SHOWN AS BOLD RED.
4) ALL CONCENTRATIONS SHOWN ARE ug/kg.
5) U = NOT DETECTED ABOVE THE ASSOCIATED VALUE.

figure 3.6
CURRENT SITE CONDITIONS - SOIL
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

0 10 30ft

B-42	6/6/2003
	7-16 ft bgs
Aroclor-1232 (PCB-1232)	**66 J**
Aroclor-1260 (PCB-1260)	**6.3 J**

RW-1	8/23/2011
	--
Aroclor-1242 (PCB-1242)	**5.7**
Aroclor-1254 (PCB-1254)	**3.2**
Tetrachloroethene	**9.4**

B-40	6/6/2003
	6-12 ft bgs
Aroclor-1232 (PCB-1232)	**4.3 J**

MW-2	8/23/2011
	--
1,1-Dichloroethane	50
1,2,4-Trichlorobenzene	62
1,2-Dichlorobenzene	32
1,3-Dichlorobenzene	73
1,4-Dichlorobenzene	**290**
Chlorobenzene	99
cis-1,2-Dichloroethene	13
Tetrachloroethene	**5.8**
Trichloroethene	**8.5**

MW-10	8/23/2011
	--
1,4-Dichlorobenzene	20
Cyclohexane	**9.6**
Ethylbenzene	12
Isopropyl benzene	**20**

MW-13	8/22/2011
	--
1,4-Dichlorobenzene	6.8
Benzene	**31**
Chlorobenzene	25
Ethylbenzene	11
Isopropyl benzene	**14**

MW-9	8/23/2011
ALL	ND

MW-7	8/23/2011
ALL	ND

MW-1	8/23/2011
	--
cis-1,2-Dichloroethene	6.2
Tetrachloroethene	**12**
Trichloroethene	**6.5**

B-50	6/6/2003
	7-16 ft bgs
Aroclor-1232 (PCB-1232)	**11 J**

MW-8	8/22/2011
	--
1,2,4-Trichlorobenzene	30
1,2-Dichlorobenzene	5.9
1,3-Dichlorobenzene	28
1,4-Dichlorobenzene	**140**
Chlorobenzene	23

MW-12	8/23/2011
	--
1,2,4-Trichlorobenzene	**710**
1,4-Dichlorobenzene	5.1
Aroclor-1242 (PCB-1242)	**8.1**
cis-1,2-Dichloroethene	8.9
Tetrachloroethene	**130**
Trichloroethene	**14**

MW-4	8/23/2011
ALL	ND

MW-11	8/23/2011
ALL	ND

MW-6	8/22/2011
	--
1,1-Dichloroethane	8.3/8.7
cis-1,2-Dichloroethene	29/28

MW-3	8/23/2011
	--
1,4-Dichlorobenzene	7.9
Aroclor-1242 (PCB-1242)	**4.5**
cis-1,2-Dichloroethene	11
Tetrachloroethene	**37**
Trichloroethene	**10**

MW-12D	8/23/2011
	--
1,1-Dichloroethane	17
1,1-Dichloroethene	6.4
1,2,4-Trichlorobenzene	**210**
cis-1,2-Dichloroethene	33
Tetrachloroethene	**170**
Trichloroethene	**48**

MW-5	8/23/2011
ALL	ND

SEPTEMBER 2003 EXCAVATION LIMIT
JULY 1994 EXCAVATION LIMIT
NOVEMBER 2007 EXCAVATION LIMIT
P&T TREATMENT SHED
RAW WATER EQUALIZATION TANK
TREATED WATER TANK
BRICK BUILDING
2-STORY OFFICES
CONCRETE PAD
SURFACE DRAIN THROUGH WALL
54" RCP STORM SEWER
48" RCP STORM SEWER (SURFACE WATER RUN-ON)
RETAINING WALL
FORMER OIL-WATER SEPARATOR
D.I. SURFACE DRAIN THROUGH WALL
POINT OF DISCHARGE TO BUILDING SEWER
PLUGGED DISCHARGE POINT
DOORS
DOCK PIT
D.I. (2'x2')
SUMP
TRENCH DRAIN
LOCATION OF FORMER UST's
FORMER 48-INCH TRENCH
FORMER EDGE OF 50' SLAB
CONCRETE
ASPHALT
SOUTHLAND CIRCLE
EAST RIGHT-OF-WAY
M.H.
TRAP
TB

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 MW-11 MW-12 MW-12D MW-13
B-40/PZ-2 B-42 B-44/PZ-1 (ALL ND) B-50 RW-1
B-41 B-43 B-44/PZ-1 B-47 B-48 B-49 B-50 B-51 B-52 B-53 B-54 B-55 B-56 B-8

LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM
- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- SOIL SAMPLES BY CRA
- RECOVERY WELL
- GEOPROBE BORING LOCATION BY LAW
- B-45 SOIL / GROUNDWATER SAMPLE LOCATION

NOTES:
1) TYPE 1 AND 4 RRS EXCEEDANCE ARE SHOWN AS "BOLD RED"
2) TYPE 1 RRS EXCEEDANCE ARE AS "BOLD BLUE"
3) ONLY COCs THAT ARE DETECTED ARE SHOWN
4) ALL CONCENTRATIONS SHOWN ARE ug/L
5) ND= NO DETECTIONS OF COCs

Chemical Name	Type 1 RRS GW	Type 4 RRS GW	ppb units
1,2,4-Trichlorobenzene	70	70	ug/L
1,4-Dichlorobenzene	75	75	ug/L
Aroclor-1232 (PCB-1232)	0.5	0.5	ug/L
Aroclor-1242 (PCB-1242)	0.5	0.5	ug/L
Aroclor-1254 (PCB-1254)	0.5	0.5	ug/L
Aroclor-1260 (PCB-1260)	0.5	0.5	ug/L
Benzene	5	8.72	ug/L
Cyclohexane	5	17500	ug/L
Isopropyl benzene	5	1050	ug/L
Tetrachloroethene	5	5	ug/L
Trichloroethene	5	28.6	ug/L

figure 3.7
CURRENT SITE CONDITIONS - GROUNDWATER
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR010 NOV 17/2011

0 10 30ft

B-42	6/6/2003
	7-16 ft bgs
Aroclor-1232 (PCB-1232)	66 J
Aroclor-1260 (PCB-1260)	6.3 J

RW-1	8/23/2011
	--
Aroclor-1242 (PCB-1242)	5.7
Aroclor-1254 (PCB-1254)	3.2
Tetrachloroethene	9.4

B-40	6/6/2003
	6-12 ft bgs
Aroclor-1232 (PCB-1232)	4.3 J

MW-2	8/23/2011
	--
1,1-Dichloroethane	50
1,2,4-Trichlorobenzene	62
1,2-Dichlorobenzene	32
1,3-Dichlorobenzene	73
1,4-Dichlorobenzene	290
Chlorobenzene	99
cis-1,2-Dichloroethene	13
Tetrachloroethene	5.8
Trichloroethene	8.5

MW-10	8/23/2011
	--
1,4-Dichlorobenzene	20
Cyclohexane	9.6
Ethylbenzene	12
Isopropyl benzene	20

MW-13	8/22/2011
	--
1,4-Dichlorobenzene	6.8
Benzene	31
Chlorobenzene	25
Ethylbenzene	11
Isopropyl benzene	14

MW-9	8/23/2011
ALL	ND

MW-7	8/23/2011
ALL	ND

MW-1	8/23/2011
	--
cis-1,2-Dichloroethene	6.2
Tetrachloroethene	12
Trichloroethene	6.5

B-50	6/6/2003
	7-16 ft bgs
Aroclor-1232 (PCB-1232)	11 J

MW-8	8/22/2011
	--
1,2,4-Trichlorobenzene	30
1,2-Dichlorobenzene	5.9
1,3-Dichlorobenzene	28
1,4-Dichlorobenzene	140
Chlorobenzene	23

MW-12	8/23/2011
	--
1,2,4-Trichlorobenzene	710
1,4-Dichlorobenzene	5.1
Aroclor-1242 (PCB-1242)	8.1
cis-1,2-Dichloroethene	8.9
Tetrachloroethene	130
Trichloroethene	14

MW-4	8/23/2011
ALL	ND

MW-11	8/23/2011
ALL	ND

MW-6	8/22/2011
	--
1,1-Dichloroethane	8.3/8.7
cis-1,2-Dichloroethene	29/28

MW-3	8/23/2011
	--
1,4-Dichlorobenzene	7.9
Aroclor-1242 (PCB-1242)	4.5
cis-1,2-Dichloroethene	11
Tetrachloroethene	37
Trichloroethene	10

MW-12D	8/23/2011
	--
1,1-Dichloroethane	17
1,1-Dichloroethene	6.4
1,2,4-Trichlorobenzene	210
cis-1,2-Dichloroethene	33
Tetrachloroethene	170
Trichloroethene	48

MW-5	8/23/2011
ALL	ND

SEPTEMBER 2003 EXCAVATION LIMIT
JULY 1994 EXCAVATION LIMIT
NOVEMBER 2007 EXCAVATION LIMIT
P&T TREATMENT SHED
RAW WATER EQUALIZATION TANK
TREATED WATER TANK
BRICK BUILDING
2-STORY OFFICES
CONCRETE PAD
SURFACE DRAIN THROUGH WALL
54" RCP STORM SEWER
RETAINING WALL
FORMER OIL-WATER SEPARATOR
D.I. SURFACE DRAIN THROUGH WALL
48" RCP STORM SEWER (SURFACE WATER RUN-ON)
POINT OF DISCHARGE TO BUILDING SEWER
PLUGGED DISCHARGE POINT
DOORS
DOCK PIT
D.I. (2'x2')
SUMP
TRENCH DRAIN
LOCATION OF FORMER UST's
FORMER 48-INCH TRENCH
FORMER EDGE OF 50' SLAB
CONCRETE
ASPHALT
M.H.
SOUTHLAND CIRCLE
EAST RIGHT-OF-WAY
TRAP
TB

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 MW-11 MW-12 MW-12D MW-13
B-40/PZ-2 B-42 B-44/PZ-1 (ALL ND) B-50 RW-1
B-41 B-43 B-47 B-48 B-49 B-51 B-52 B-53 B-54 B-55 B-56 B-8

LEGEND

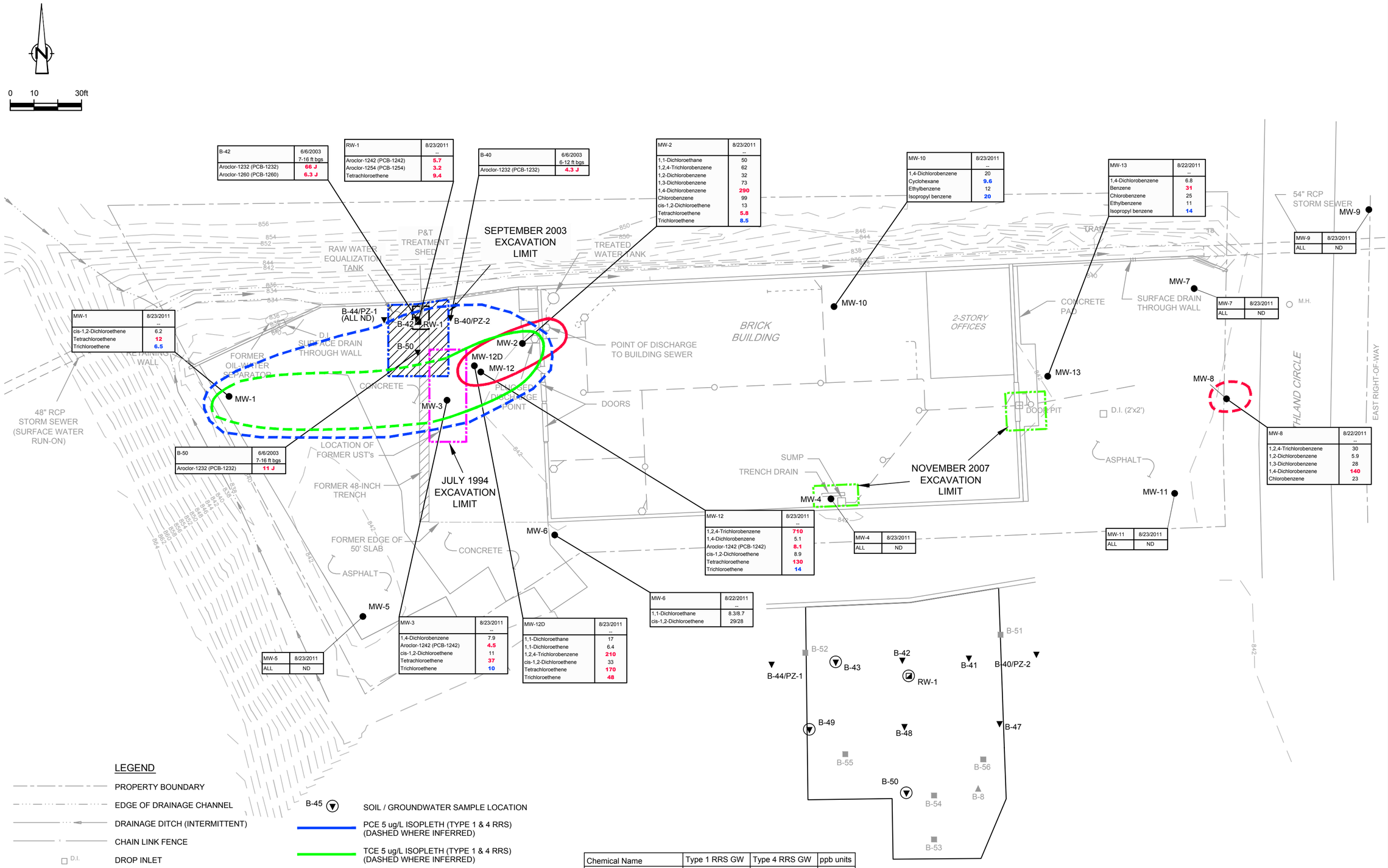
- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM

- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- SOIL SAMPLES BY CRA
- RECOVERY WELL
- GEOPROBE BORING LOCATION BY LAW
- B-45 SOIL / GROUNDWATER SAMPLE LOCATION
- PCB 0.5 ug/L ISOPLETH (TYPE 1 & 4 RRS) (DASHED WHERE INFERRED)

NOTES:
1) TYPE 1 AND 4 RRS EXCEEDANCE ARE SHOWN AS "BOLD RED"
2) TYPE 1 RRS EXCEEDANCE ARE AS "BOLD BLUE"
3) ONLY COCs THAT ARE DETECTED ARE SHOWN
4) ALL CONCENTRATIONS SHOWN ARE ug/L
5) ND= NO DETECTIONS OF COCs

Chemical Name	Type 1 RRS GW	Type 4 RRS GW	ppb units
1,2,4-Trichlorobenzene	70	70	ug/L
1,4-Dichlorobenzene	75	75	ug/L
Aroclor-1232 (PCB-1232)	0.5	0.5	ug/L
Aroclor-1242 (PCB-1242)	0.5	0.5	ug/L
Aroclor-1254 (PCB-1254)	0.5	0.5	ug/L
Aroclor-1260 (PCB-1260)	0.5	0.5	ug/L
Benzene	5	8.72	ug/L
Cyclohexane	5	17500	ug/L
Isopropyl benzene	5	1050	ug/L
Tetrachloroethene	5	5	ug/L
Trichloroethene	5	28.6	ug/L

figure 3.7A
HORIZONTAL EXTENT OF PCB IN GROUNDWATER
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia



LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM
- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- SOIL SAMPLES BY CRA
- RECOVERY WELL
- GEOPROBE BORING LOCATION BY LAW

B-45 SOIL / GROUNDWATER SAMPLE LOCATION

PCE 5 ug/L ISOPLETH (TYPE 1 & 4 RRS) (DASHED WHERE INFERRED)

TCE 5 ug/L ISOPLETH (TYPE 1 & 4 RRS) (DASHED WHERE INFERRED)

CHLOROBENZENE ISOPLETH (TYPE 1 & 4 RRS) (1,4-DICHLOROBENZENE & 1,2,4-TRICHLOROBENZENE) (DASHED WHERE INFERRED)

NOTES:
1) TYPE 1 AND 4 RRS EXCEEDANCE ARE SHOWN AS "BOLD RED"
2) TYPE 1 RRS EXCEEDANCE ARE AS "BOLD BLUE"
3) ONLY COCs THAT ARE DETECTED ARE SHOWN
4) ALL CONCENTRATIONS SHOWN ARE ug/L
5) ND= NO DETECTIONS OF COCs

Chemical Name	Type 1 RRS GW	Type 4 RRS GW	ppb units
1,2,4-Trichlorobenzene	70	70	ug/L
1,4-Dichlorobenzene	75	75	ug/L
Aroclor-1232 (PCB-1232)	0.5	0.5	ug/L
Aroclor-1242 (PCB-1242)	0.5	0.5	ug/L
Aroclor-1254 (PCB-1254)	0.5	0.5	ug/L
Aroclor-1260 (PCB-1260)	0.5	0.5	ug/L
Benzene	5	8.72	ug/L
Cyclohexane	5	17500	ug/L
Isopropyl benzene	5	1050	ug/L
Tetrachloroethene	5	5	ug/L
Trichloroethene	5	28.6	ug/L

figure 3.7B
HORIZONTAL EXTENT OF CHLORINATED VOCs IN GROUNDWATER
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

0 10 30ft

B-42	6/6/2003
	7-16 ft bgs
Aroclor-1232 (PCB-1232)	66 J
Aroclor-1260 (PCB-1260)	6.3 J

RW-1	8/23/2011
	--
Aroclor-1242 (PCB-1242)	5.7
Aroclor-1254 (PCB-1254)	3.2
Tetrachloroethene	9.4

B-40	6/6/2003
	6-12 ft bgs
Aroclor-1232 (PCB-1232)	4.3 J

MW-2	8/23/2011
	--
1,1-Dichloroethane	50
1,2,4-Trichlorobenzene	62
1,2-Dichlorobenzene	32
1,3-Dichlorobenzene	73
1,4-Dichlorobenzene	290
Chlorobenzene	99
cis-1,2-Dichloroethene	13
Tetrachloroethene	5.8
Trichloroethene	8.5

MW-10	8/23/2011
	--
1,4-Dichlorobenzene	20
Cyclohexane	9.6
Ethylbenzene	12
Isopropyl benzene	20

MW-13	8/22/2011
	--
1,4-Dichlorobenzene	6.8
Benzene	31
Chlorobenzene	25
Ethylbenzene	11
Isopropyl benzene	14

MW-9	8/23/2011
ALL	ND

MW-7	8/23/2011
ALL	ND

MW-1	8/23/2011
	--
cis-1,2-Dichloroethene	6.2
Tetrachloroethene	12
Trichloroethene	6.5

B-50	6/6/2003
	7-16 ft bgs
Aroclor-1232 (PCB-1232)	11 J

MW-12	8/23/2011
	--
1,2,4-Trichlorobenzene	710
1,4-Dichlorobenzene	5.1
Aroclor-1242 (PCB-1242)	8.1
cis-1,2-Dichloroethene	8.9
Tetrachloroethene	130
Trichloroethene	14

MW-4	8/23/2011
ALL	ND

MW-11	8/23/2011
ALL	ND

MW-8	8/22/2011
	--
1,2,4-Trichlorobenzene	30
1,2-Dichlorobenzene	5.9
1,3-Dichlorobenzene	28
1,4-Dichlorobenzene	140
Chlorobenzene	23

MW-6	8/22/2011
	--
1,1-Dichloroethane	8.3/8.7
cis-1,2-Dichloroethene	29/28

MW-3	8/23/2011
	--
1,4-Dichlorobenzene	7.9
Aroclor-1242 (PCB-1242)	4.5
cis-1,2-Dichloroethene	11
Tetrachloroethene	37
Trichloroethene	10

MW-12D	8/23/2011
	--
1,1-Dichloroethane	17
1,1-Dichloroethene	6.4
1,2,4-Trichlorobenzene	210
cis-1,2-Dichloroethene	33
Tetrachloroethene	170
Trichloroethene	48

MW-5	8/23/2011
ALL	ND

SEPTEMBER 2003 EXCAVATION LIMIT

JULY 1994 EXCAVATION LIMIT

NOVEMBER 2007 EXCAVATION LIMIT

RAW WATER EQUALIZATION TANK

P&T TREATMENT SHED

TREATED WATER TANK

BRICK BUILDING

2-STORY OFFICES

CONCRETE PAD

SURFACE DRAIN THROUGH WALL

RETAINING WALL

FORMER OIL-WATER SEPARATOR

D.I. SURFACE DRAIN THROUGH WALL

48" RCP STORM SEPTIC (SURFACE WATER RUN-ON)

54" RCP STORM SEWER

EAST RIGHT-OF-WAY

SOUTHLAND CIRCLE

POINT OF DISCHARGE TO BUILDING SEWER

PLUGGED DISCHARGE POINT

DOORS

DOCK PIT

D.I. (2'x2')

SUMP

TRENCH DRAIN

ASPHALT

CONCRETE

LOCATION OF FORMER UST's

FORMER 48-INCH TRENCH

FORMER EDGE OF 50' SLAB

M.H.

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 MW-11 MW-12 MW-12D MW-13

B-40/PZ-2 B-41 B-42 B-43 B-44/PZ-1 B-47 B-48 B-49 B-50 B-51 B-52 B-53 B-54 B-55 B-56 B-8

RW-1

LEGEND

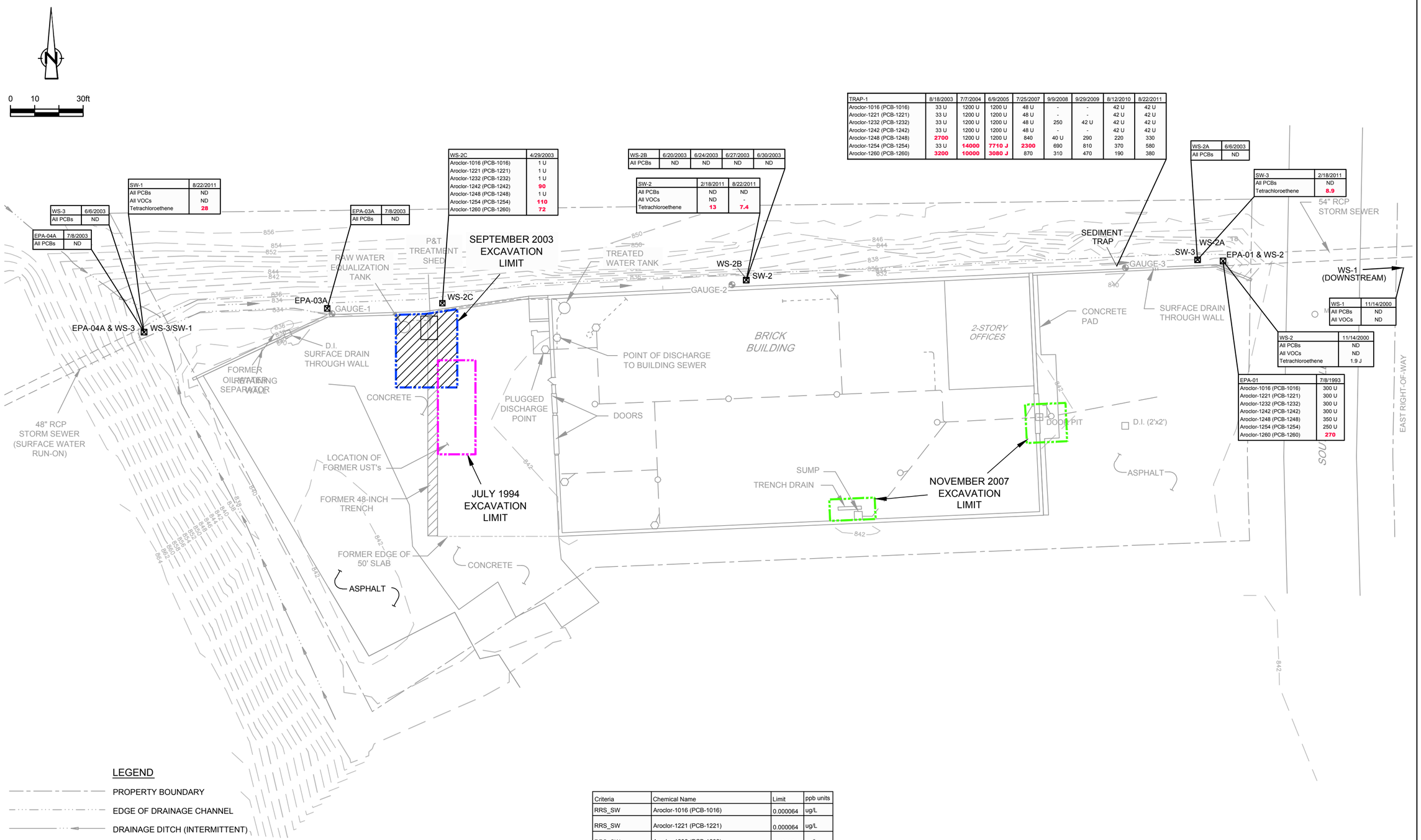
- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM
- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- SOIL SAMPLES BY CRA
- RECOVERY WELL
- GEOPROBE BORING LOCATION BY LAW
- SOIL / GROUNDWATER SAMPLE LOCATION
- BENZENE 8.72 ug/L ISOPLETH (TYPE 1 & 4 RRS) (DASHED WHERE INFERRED)

NOTES:
1) TYPE 1 AND 4 RRS EXCEEDANCE ARE SHOWN AS "BOLD RED"
2) TYPE 1 RRS EXCEEDANCE ARE AS "BOLD BLUE"
3) ONLY COCs THAT ARE DETECTED ARE SHOWN
4) ALL CONCENTRATIONS SHOWN ARE ug/L
5) ND= NO DETECTIONS OF COCs

Chemical Name	Type 1 RRS GW	Type 4 RRS GW	ppb units
1,2,4-Trichlorobenzene	70	70	ug/L
1,4-Dichlorobenzene	75	75	ug/L
Aroclor-1232 (PCB-1232)	0.5	0.5	ug/L
Aroclor-1242 (PCB-1242)	0.5	0.5	ug/L
Aroclor-1254 (PCB-1254)	0.5	0.5	ug/L
Aroclor-1260 (PCB-1260)	0.5	0.5	ug/L
Benzene	5	8.72	ug/L
Cyclohexane	5	17500	ug/L
Isopropyl benzene	5	1050	ug/L
Tetrachloroethene	5	5	ug/L
Trichloroethene	5	28.6	ug/L

figure 3.7C
HORIZONTAL EXTENT OF BENZENE IN GROUNDWATER
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR023 NOV 17/2011



LEGEND

- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM
- SURFACE WATER SAMPLE LOCATION
- STAFF GAUGE LOCATION
- TRAP SEDIMENT SAMPLE LOCATION

NOTES: 1) SURFACE WATER SAMPLE LOCATION WS-3 WAS RENAMED AS "SW-1"AS OF AUGUST 2011 SAMPLING EVENT.

2) ALL SEDIMENT SAMPLE RESULTS SHOWN ARE IN ug/kg.

3) ALL SURFACE WATER RESULTS SHOWN ARE IN ug/L.

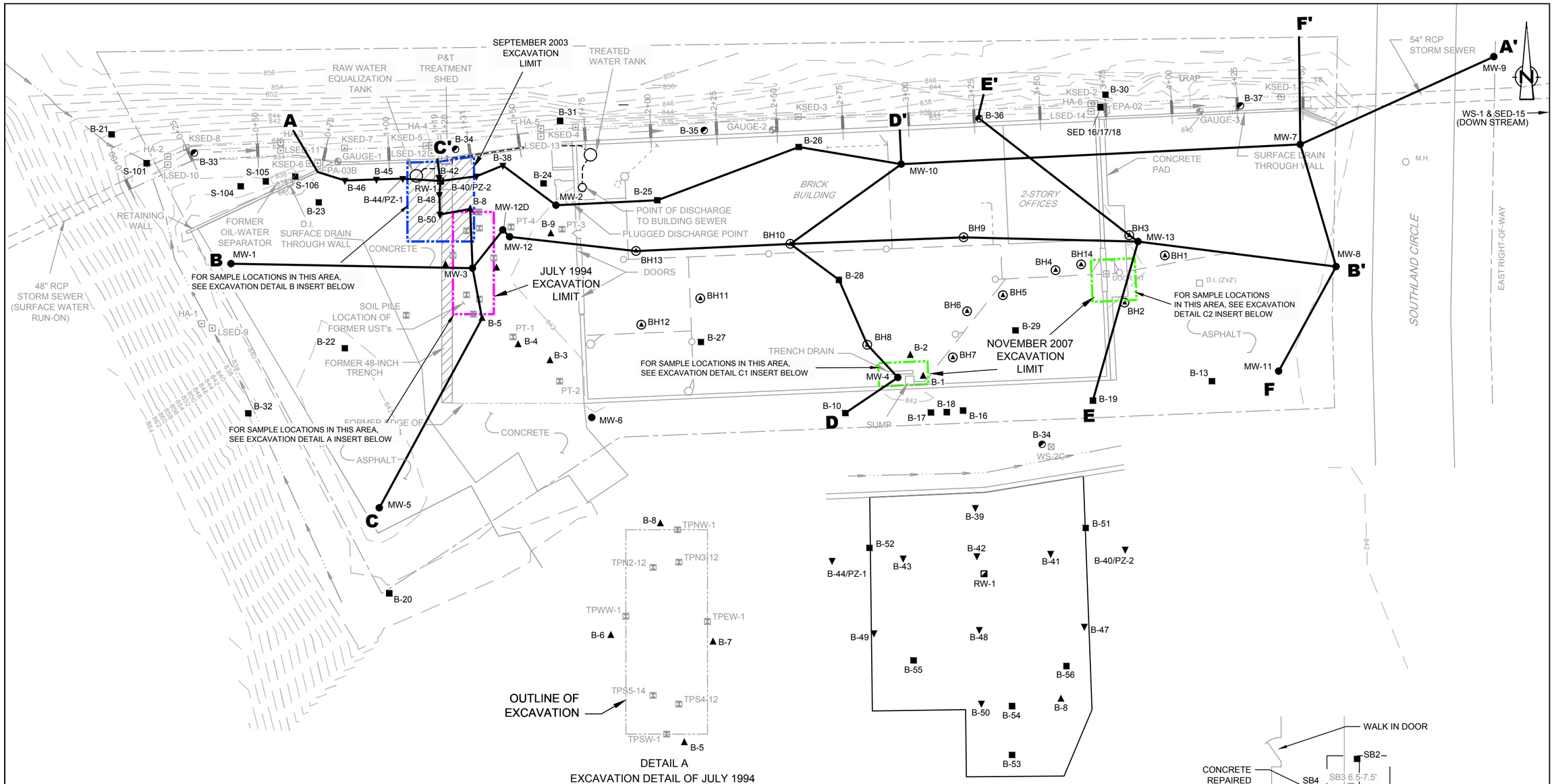
4) ND- NO DETECTIONS OF COCs AND PCBs

5) U- NOT DETECTED AT THE ASSOCIATED VALUE

Criteria	Chemical Name	Limit	ppb units
RRS_SW	Aroclor-1016 (PCB-1016)	0.000064	ug/L
RRS_SW	Aroclor-1221 (PCB-1221)	0.000064	ug/L
RRS_SW	Aroclor-1232 (PCB-1232)	0.000064	ug/L
RRS_SW	Aroclor-1242 (PCB-1242)	0.000064	ug/L
RRS_SW	Aroclor-1248 (PCB-1248)	0.000064	ug/L
RRS_SW	Aroclor-1254 (PCB-1254)	0.000064	ug/L
RRS_SW	Aroclor-1260 (PCB-1260)	0.000064	ug/L
RRS_SW	Tetrachloroethene	3.3	ug/L
Type_4_RRS_SOIL	Aroclor-1016 (PCB-1016)	1550	ug/kg
Type_4_RRS_SOIL	Aroclor-1221 (PCB-1221)	1550	ug/kg
Type_4_RRS_SOIL	Aroclor-1232 (PCB-1232)	1550	ug/kg
Type_4_RRS_SOIL	Aroclor-1242 (PCB-1242)	1550	ug/kg
Type_4_RRS_SOIL	Aroclor-1248 (PCB-1248)	1550	ug/kg
Type_4_RRS_SOIL	Aroclor-1254 (PCB-1254)	1550	ug/kg
Type_4_RRS_SOIL	Aroclor-1260 (PCB-1260)	1550	ug/kg

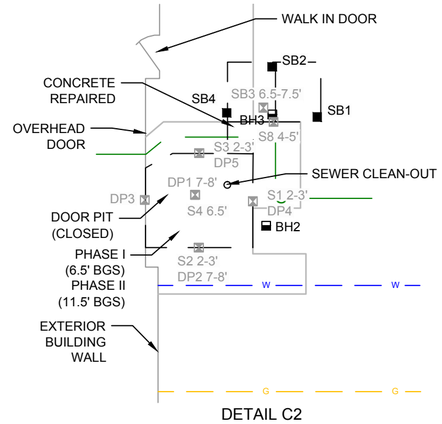
figure 3.8

CURRENT SITE CONDITIONS - SEDIMENT AND SURFACE WATER
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia



DETAIL A
EXCAVATION DETAIL OF JULY 1994
SCALE: 1"=20'

DETAIL B
EXCAVATION DETAIL OF SEPTEMBER 2003
SCALE: 1"= 10'

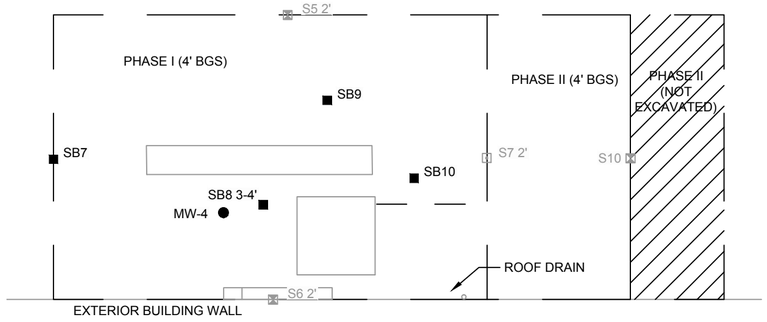


DETAIL C2
EXCAVATION DETAIL OF NOVEMBER 2007
DETAIL SCALE: 1"=10'

0 10 30ft

LEGEND

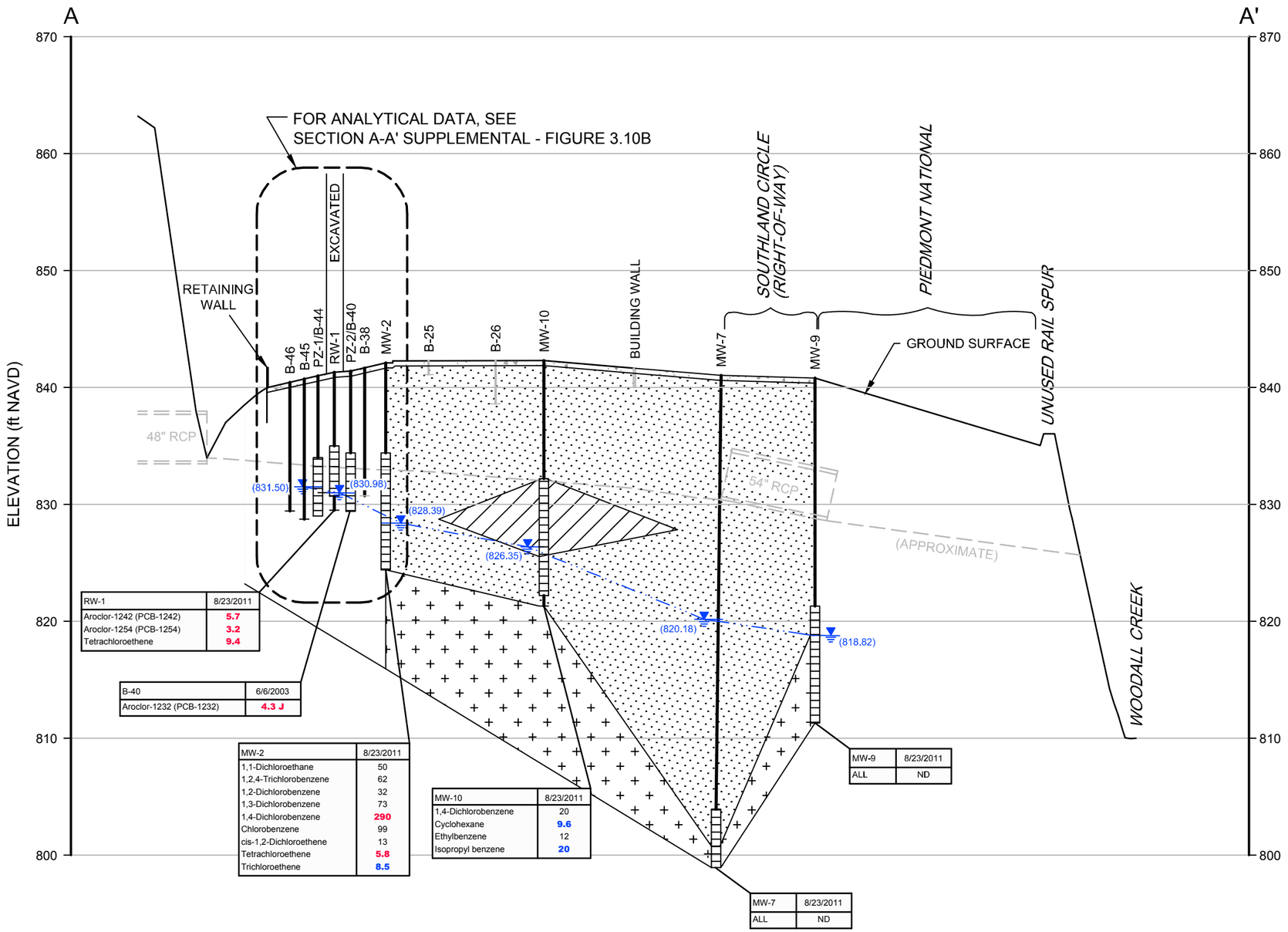
- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM
- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION BY CRA
- SOIL SAMPLES BY CRA
- IRM CONFIRMATION SAMPLES (NORTH WALL, CENTER-LINE, AND SOUTH WALL)
- 4-FOOT SOIL CORES
- GRAB SOIL SAMPLE
- RECOVERY WELL
- STAFF GAUGE LOCATION
- CHANNEL SAMPLE LOCATION
- GEOPROBE BORING LOCATION BY LAW
- A A' CROSS SECTION LOCATION



DETAIL C1
EXCAVATION DETAIL OF NOVEMBER 2007
SCALE: 1"=5'

figure 3.9
LOCATION AND ALIGNMENT OF CROSS SECTIONS
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

CRA



NOTES

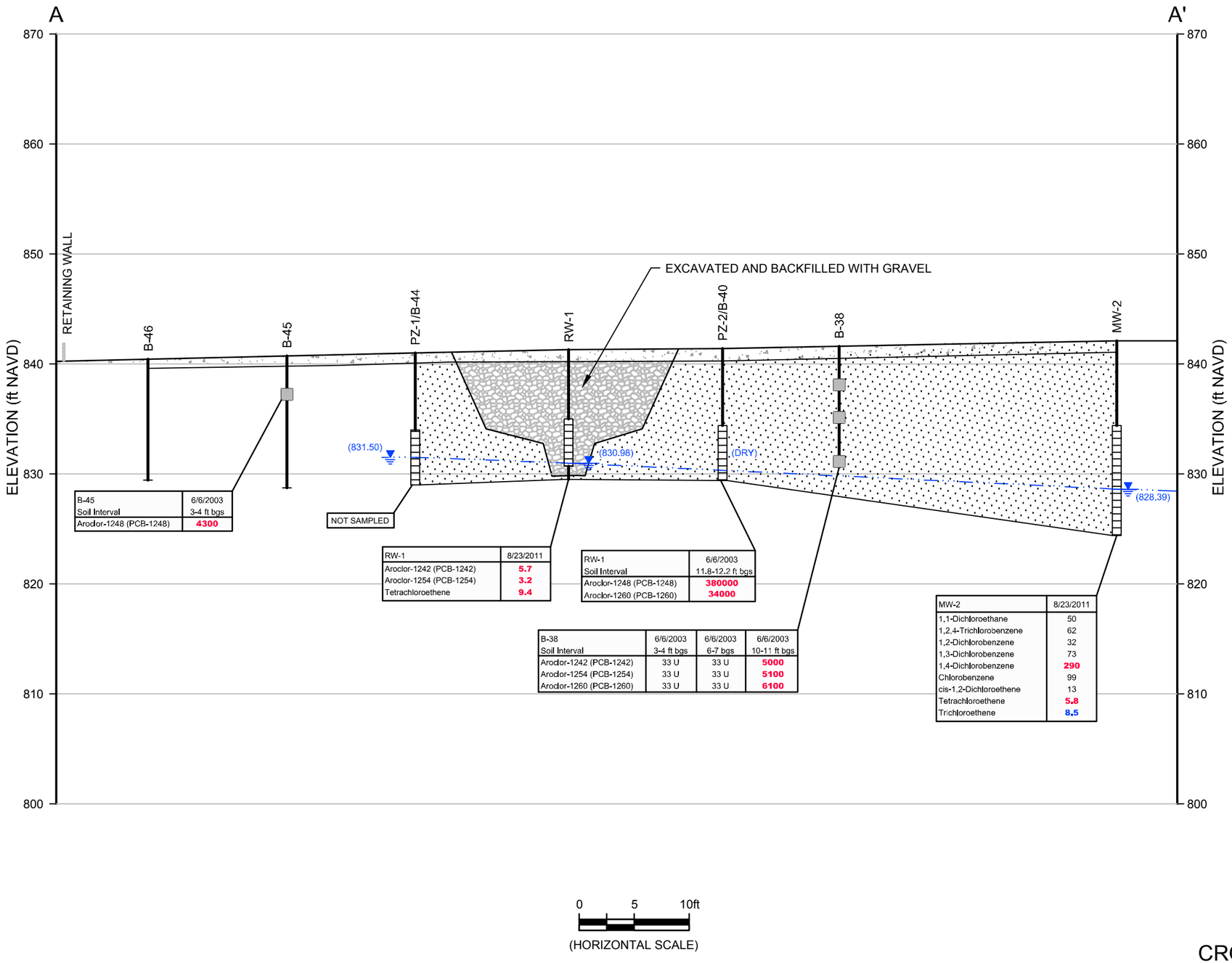
1. ALL CONCENTRATIONS ARE IN (ug/L) FOR GROUNDWATER.
2. EACH CHEM BOX SHOWS RESULTS FOR DETECTED ANALYTES, OR IF NONE DETECTED IN GROUP, GROUP SHOWS AS ND.
3. IF NOT ANALYZED, THE PARAMETER GROUP IS NOT SHOWN IN A CHEM BOX.
4. J = ESTIMATED
5. EXCEEDANCES OF TYPE 1 RRS ARE BOLD AND BLUE
6. EXCEEDANCES OF TYPE 4 RRS ARE BOLD ARE RED

LEGEND

- PIEZOMETRIC SURFACE MEASUREMENT (ft NAVD)
- (818.82) GROUNDWATER ELEVATION (ft NAVD), SEPTEMBER 8, 2011
- CONCRETE / ASPHALT COVER
- STRATIGRAPHY NOT AVAILABLE
- (SM) SILTY SAND
- (CL) CLAY LAYER
- WEATHERED BEDROCK (SAPROLITE)

figure 3.10A
CROSS-SECTION A-A'
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR012 NOV 17/2011



NOTES

1. ALL CONCENTRATIONS ARE IN PARTS PER BILLION (ug/L) FOR GROUNDWATER AND (ug/kg) FOR SOIL.
2. EACH CHEM BOX SHOWS RESULTS FOR DETECTED ANALYTES, OR IF NONE DETECTED IN GROUP, GROUP SHOWS AS ND.
3. IF NOT ANALYZED, THE PARAMETER GROUP IS NOT SHOWN IN A CHEM BOX.
4. U= NOT DETECTED AT ASSOCIATED VALUE
5. EXCEEDANCES OF TYPE 1 RRS ARE BOLD AND BLUE
6. EXCEEDANCES OF TYPE 4 RRS ARE BOLD ARE RED

LEGEND

- PIEZOMETRIC SURFACE MEASUREMENT (ft NAVD)
- (828.39) GROUNDWATER ELEVATION (ft NAVD), SEPTEMBER 8, 2011
- DEPTH INTERVAL FOR SOIL SAMPLE
- CONCRETE / ASPHALT COVER
- GRAVEL BACKFILL
- NO STRATIGRAPHY AVAILABLE
- (SM) SILTY SAND

figure 3.10B
CROSS-SECTION A-A' SUPPLEMENTAL VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

018876-30(013)GN-BR013 NOV 17/2011

B

B'

ELEVATION (ft NAVD)

850
840
830
820
810
800
790
780
770

MW-1
MW-3
MW-12D
MW-12
BH13
BH10
BH9
MW-13
MW-8

(832.02)
(826.52)
(827.26)
(828.08)
(820.85)
(819.43)

MW-1	8/23/2011
cis-1,2-Dichloroethene	6.2
Tetrachloroethene	**12**
Trichloroethene	**6.5**

MW-3	8/23/2011
1,4-Dichlorobenzene	7.9
Aroclor-1242 (PCB-1242)	**4.5**
cis-1,2-Dichloroethene	11
Tetrachloroethene	**37**
Trichloroethene	**10**

MW-13	8/22/2011
1,4-Dichlorobenzene	6.8
Benzene	**31**
Chlorobenzene	25
Ethylbenzene	11
Isopropyl benzene	**14**

MW-8	8/22/2011
1,2,4-Trichlorobenzene	30
1,2-Dichlorobenzene	5.9
1,3-Dichlorobenzene	28
1,4-Dichlorobenzene	**140**
Chlorobenzene	23

MW-12	8/23/2011
1,2,4-Trichlorobenzene	**710**
1,4-Dichlorobenzene	5.1
Aroclor-1242 (PCB-1242)	**8.1**
cis-1,2-Dichloroethene	8.9
Tetrachloroethene	**130**
Trichloroethene	**14**

MW-12D	8/23/2011
1,1-Dichloroethane	17
1,1-Dichloroethene	6.4
1,2,4-Trichlorobenzene	**210**
cis-1,2-Dichloroethene	33
Tetrachloroethene	**170**
Trichloroethene	**48**

0 20 50ft
(HORIZONTAL SCALE)

NOTES

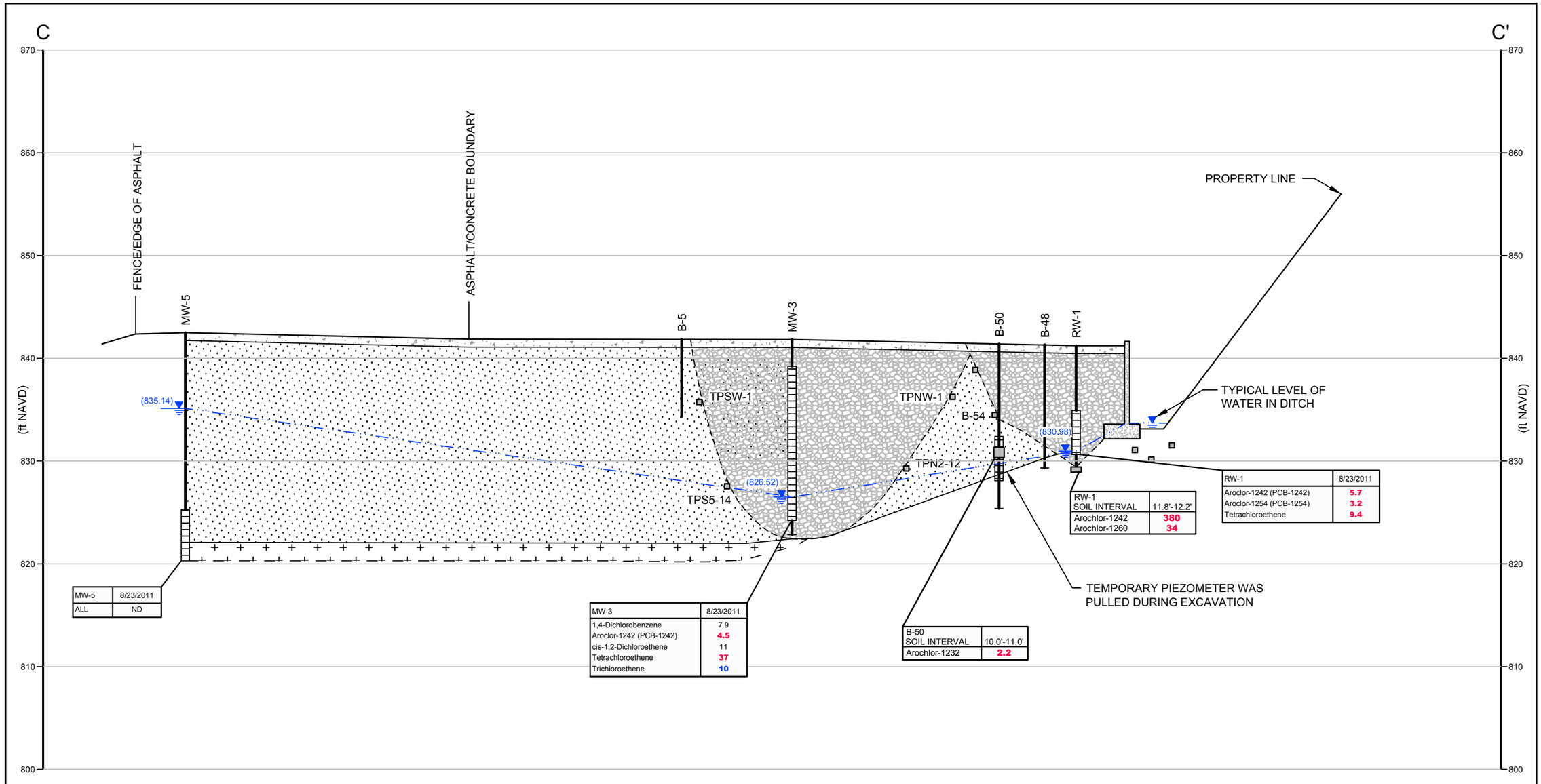
1. ALL CONCENTRATIONS ARE PARTS PER BILLION (ug/L) FOR GROUNDWATER.
2. EACH CHEM BOX SHOWS RESULTS FOR DETECTED ANALYTES, OR IF NONE DETECTED IN GROUP, GROUP SHOWS AS ND.
3. IF NOT ANALYZED, THE PARAMETER GROUP IS NOT SHOWN IN A CHEM BOX.
4. EXCEEDANCES OF TYPE 1 RRS ARE BOLD AND BLUE
5. EXCEEDANCES OF TYPE 4 RRS ARE BOLD ARE RED

LEGEND

- PIEZOMETRIC SURFACE MEASUREMENT (ft NAVD)
- (832.02) GROUNDWATER ELEVATION (ft NAVD), SEPTEMBER 8, 2011
- CONCRETE COVER
- GRAVEL BACKFILL
- SANDY SILT / SILTY SAND - FILL MATERIAL
- (CL) CLAY LAYER
- WEATHERED BEDROCK (SAPROLITE)
- BEDROCK (SCHIST)

figure 3.11

CROSS-SECTION B-B'
VRP APPLICATION
1610 SOUTHLAND CIRCLE
Atlanta, Georgia



NOTES

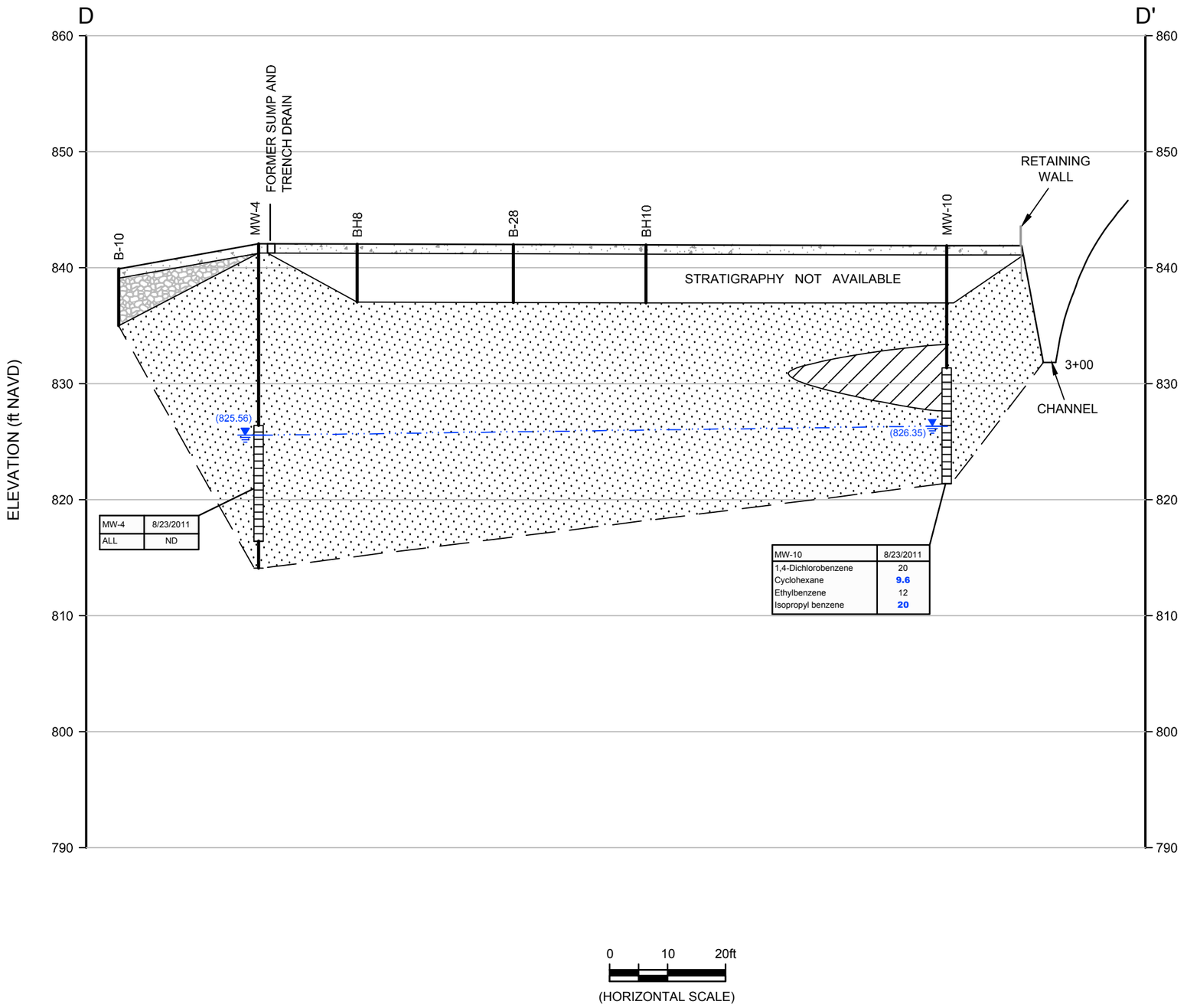
1. ALL CONCENTRATIONS ARE PARTS PER MILLION (mg/kg) FOR SOIL AND PARTS PER BILLION (ug/L) FOR GROUNDWATER.
2. EACH CHEM BOX SHOWS RESULTS FOR DETECTED ANALYTES ABOVE TYPE 1 OR TYPE 4 RRS, OR IF NONE DETECTED IN GROUP, GROUP SHOWS AS BRL.
3. IF NOT ANALYZED, THE PARAMETER GROUP IS NOT SHOWN IN A CHEM BOX.
4. EXCEEDANCES OF TYPE 1 RRS ARE BOLD AND BLUE
5. EXCEEDANCES OF TYPE 4 RRS ARE BOLD ARE RED
6. WATER LEVELS IN MW-3 AND RW-1 WERE MEASURED WHILE THE WELLS WERE PUMPING.

LEGEND

- PIEZOMETRIC SURFACE MEASUREMENT (ft NAVD)
- (835.14) GROUNDWATER ELEVATION (ft NAVD), SEPTEMBER 8, 2011
- DEPTH INTERVAL FOR SOIL SAMPLE
- CONCRETE COVER
- (SM) SILT WITH CLAY AND SAND
- GRAVEL BACKFILL
- WEATHERED BEDROCK (SAPROLITE)

0 10 20ft
(HORIZONTAL SCALE)

figure 3.12
CROSS-SECTION C-C'
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia



NOTES

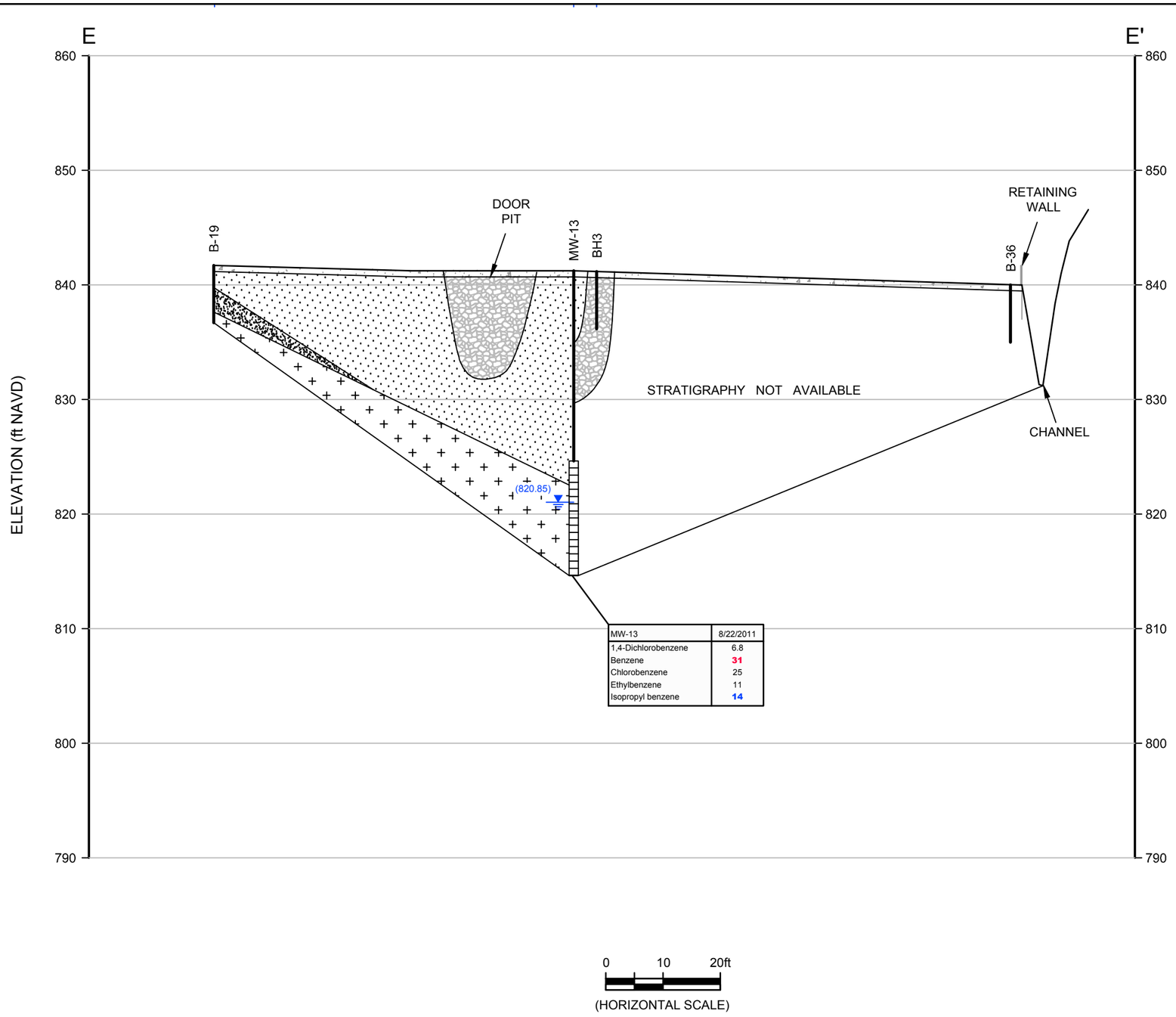
1. ALL CONCENTRATIONS ARE PARTS PER BILLION (ug/L) FOR GROUNDWATER.
2. EACH CHEM BOX SHOWS RESULTS FOR DETECTED ANALYTES, OR IF NONE DETECTED IN GROUP, GROUP SHOWS AS BRL.
3. IF NOT ANALYZED, THE PARAMETER GROUP IS NOT SHOWN IN A CHEM BOX.
4. EXCEEDANCES OF TYPE 1 RRS ARE BOLD AND BLUE
5. EXCEEDANCES OF TYPE 4 RRS ARE BOLD ARE RED

LEGEND

- PIEZOMETRIC SURFACE MEASUREMENT (ft NAVD)
- (825.56) GROUNDWATER ELEVATION (ft NAVD), SEPTEMBER 8, 2011
- CONCRETE / ASPHALT COVER
- STRATIGRAPHY NOT AVAILABLE
- GRAVEL (GP) WITH SAND AND SILT
- (SM) SILTY SAND
- (CL) CLAY LAYER

figure 3.13
CROSS-SECTION D-D'
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

CRA



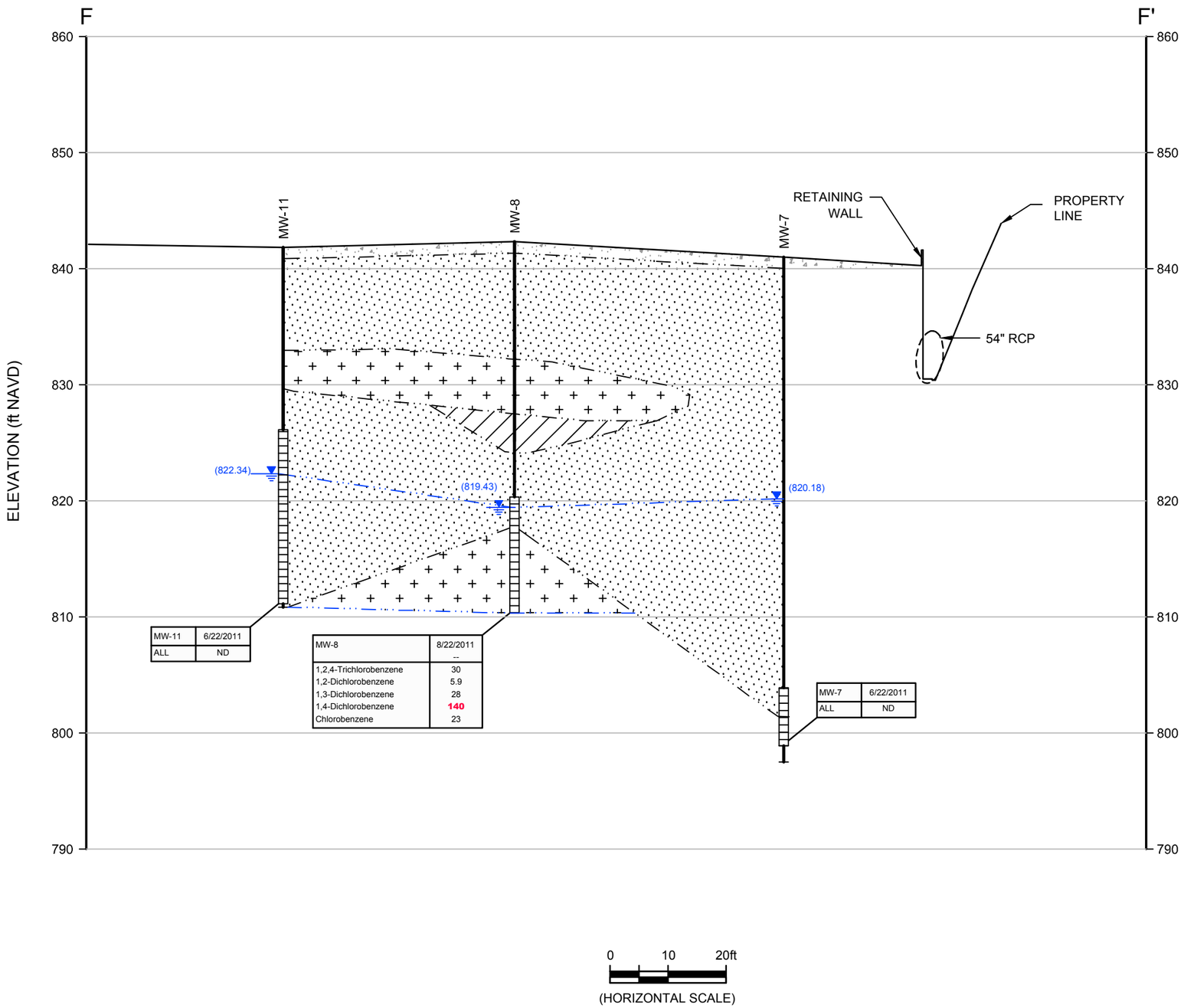
NOTES

1. ALL CONCENTRATIONS ARE PARTS PER BILLION (ugL) FOR GROUNDWATER.
2. EACH CHEM BOX SHOWS RESULTS FOR DETECTED ANALYTES.
3. IF NOT ANALYZED, THE PARAMETER GROUP IS NOT SHOWN IN A CHEM BOX.
4. EXCEEDANCES OF TYPE 1 RRS ARE BOLD AND BLUE
5. EXCEEDANCES OF TYPE 4 RRS ARE BOLD ARE RED

LEGEND

- PIEZOMETRIC SURFACE MEASUREMENT (ft NAVD)
- (820.85) GROUNDWATER ELEVATION (ft NAVD), SEPTEMBER 8, 2011
- CONCRETE / ASPHALT COVER
- STRATIGRAPHY NOT AVAILABLE
- GRAVEL- CRUSHED STONE BACKFILL
- (SP) SAND
- (SM) SILTY SAND
- WEATHERED BEDROCK (SAPROLITE)

figure 3.14
CROSS-SECTION E-E'
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia



NOTES

1. ALL CONCENTRATIONS ARE PARTS PER BILLION (ug/L) FOR GROUNDWATER.
2. EACH CHEM BOX SHOWS RESULTS FOR DETECTED ANALYTES, OR IF NONE DETECTED IN GROUP, GROUP SHOWS AS ND.
3. IF NOT ANALYZED, THE PARAMETER GROUP IS NOT SHOWN IN A CHEM BOX.
4. EXCEEDANCES OF TYPE 1 RRS ARE BOLD AND BLUE
5. EXCEEDANCES OF TYPE 4 RRS ARE BOLD ARE RED

LEGEND

- PIEZOMETRIC SURFACE MEASUREMENT (ft NAVD)
- (820.18) GROUNDWATER ELEVATION (ft NAVD), SEPTEMBER 8, 2011
- DEPTH INTERVAL FOR SOIL SAMPLE
- CONCRETE COVER
- (SM-MS) SILTY SAND TO SANDY SILT
- (CL) CLAY LAYER
- WEATHERED BEDROCK (SAPROLITE)

0 10 20ft

(HORIZONTAL SCALE)

figure 3.15
CROSS-SECTION F-F'
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

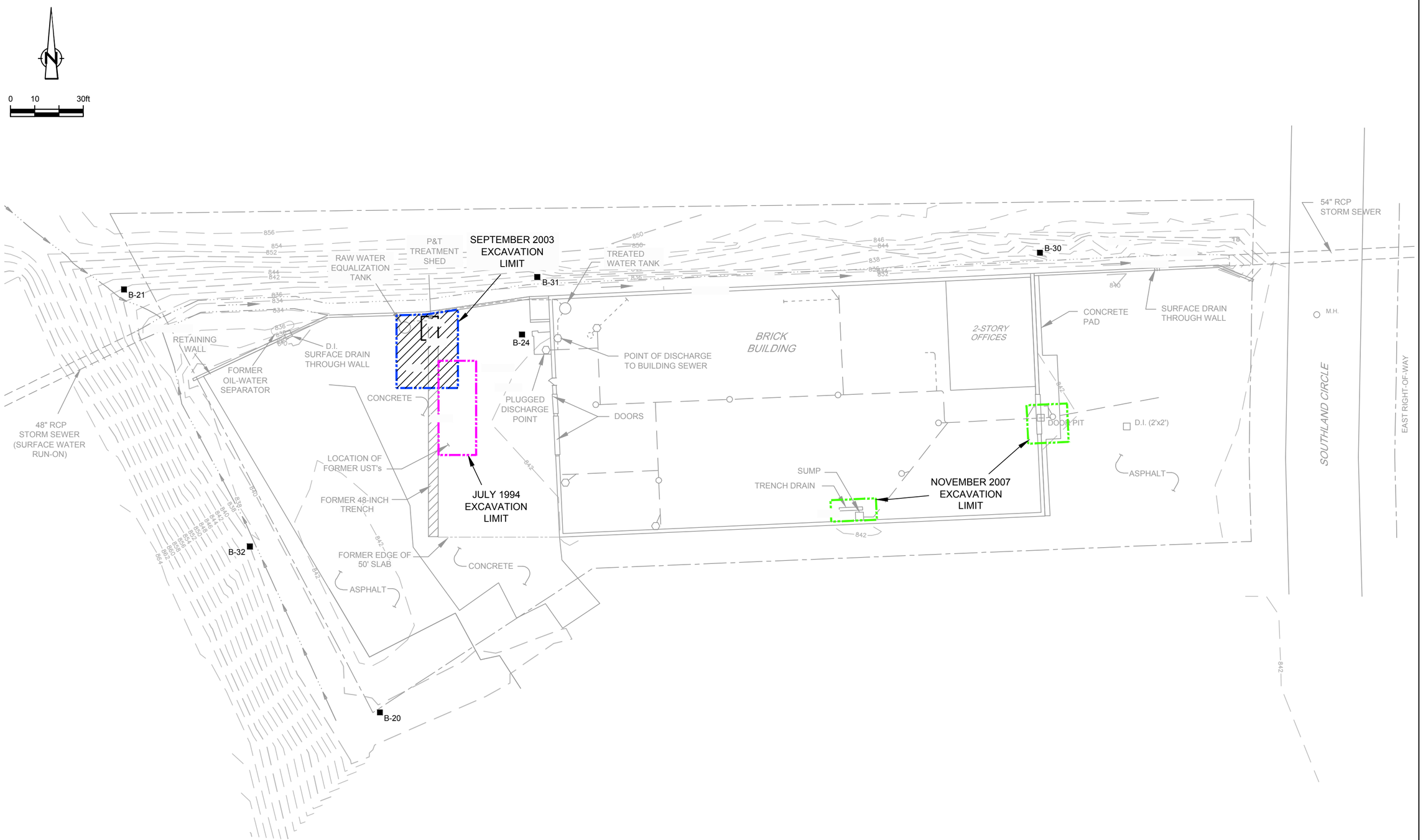


figure 3.16
LOCATIONS OF SOIL GAS SAMPLES
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

LEGEND

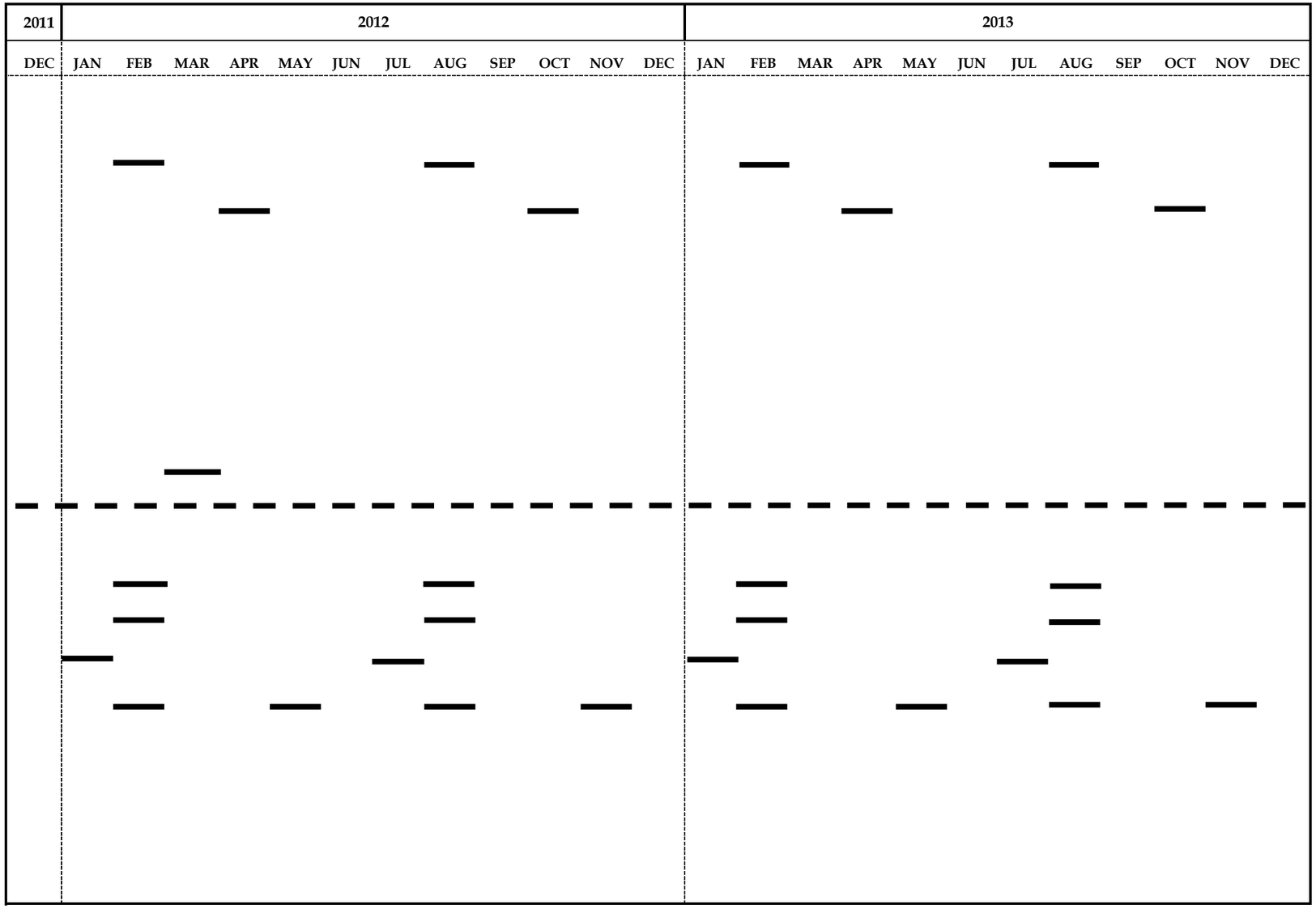
- PROPERTY BOUNDARY
- EDGE OF DRAINAGE CHANNEL
- DRAINAGE DITCH (INTERMITTENT)
- CHAIN LINK FENCE
- D.I. DROP INLET
- SANITARY SEWER LINE
- DRAIN INLET
- CLEAN OUT PLUG
- PVC ADDITIONS TO ORIGINAL SYSTEM
- PROPOSED SECURITY CAMERA LOCATION

figure 5.1
PROPOSED LOCATION FOR SECURITY CAMERA
VRP APPLICATION
1610 SOUTHLAND CIRCLE PROPERTY
Atlanta, Georgia

FIGURE 6.1

MILESTONE SCHEDULE
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

MILESTONE SCHEDULE	STATUS
ACTIVITIES DESCRIPTIONS	
Semi-Annual groundwater Monitoring	on-going
Semi-Annual Status Report including updated CSM and Schedule	on-going
On-Property Horizontal Delineation (soil and groundwater)	complete
Off-Property Horizontal Delineation (soil and groundwater)	To be assessed based on semi-annual groundwater monitoring (within 24 months after enrollment)
CSM Update including vertical delineation, final remediation plan, preliminary cost estimate, etc.	Due 30 months after enrollment in VRP - Date to be determined
Installation of security camera and signage	
Opertation of pump and treat system	on-going (weekly)
Sediment Trap at on-Site stormwater channel	
Upgradient sediment sample location	semi-annually
Sediment Sampling	Feb. 2012 and as required afterwards
Trap Inspection and Clean-out	semi-annually
Asphalt and concrete Cover Inspection	Quarterly
Execute Environmental Covenant	To be included with CSM update and Final Remediation Plan (30 months after enrollment in VRP)
Submittal of CSR and Certifications	Due 60 months after enrollment in VRP - Date to be determined



Notes:

Dashed lines show that activity is currently on-going

TABLES

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

Regulated Substances	*Type 1/3 RRS for Groundwater*	*Type 4 RRS for Groundwater*	*Type 1 RRS for Soil*	*Type 3 RRS for Soil*	*Type 4 RRS for Soil*	*RRS for Surface Water (1)*
	(mg/L)	*(mg/L)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/L)*
VOCS						
1,1,1-Trichloroethane	2.00E-01	1.36E+01	2.00E+01	2.00E+01	2.00E+01	NV
1,1,2-Trichloroethane	5.00E-03	4.64E-02	5.00E-01	5.00E-01	5.00E-01	1.60E-02
1,1-Dichloroethane	4.00E+00	4.00E+00	4.00E+02	4.00E+02	4.00E+02	NV
1,1-Dichloroethene	7.00E-03	5.24E-01	7.00E-01	7.00E-01	7.00E-01	7.10E+00
1,2-Dichloroethane	5.00E-03	5.00E-03	5.00E-01	5.00E-01	5.00E-01	3.70E-02
Acetone	4.00E+00	4.56E+01	4.00E+02	4.00E+02	4.00E+02	NV
Benzene	5.00E-03	8.72E-03	5.00E-01	5.00E-01	5.00E-01	5.10E-02
Bromomethane	1.00E-02	1.30E-02	1.00E+00	1.00E+00	1.00E+00	1.50E+00
Carbon disulfide	4.00E+00	4.00E+00	4.00E+02	4.00E+02	4.00E+02	NV
Chlorobenzene	1.00E-01	1.36E-01	1.00E+01	1.00E+01	1.00E+01	1.60E+00
Chloroethane	1.00E-02	2.92E+01	1.00E+00	1.00E+00	1.00E+00	NV
Chloroform	1.00E-01	1.00E-01	3.85E+00	4.88E+00	4.88E+00	0.47
Chloromethane (methyl chloride)	3.00E-03	2.63E-01	3.00E-01	3.00E-01	3.00E-01	NV
cis-1,2-Dichloroethene	7.00E-02	2.04E-01	7.00E+00	7.00E+00	7.00E+00	NV
Cyclohexane	5.00E-03	1.75E+01	2.00E+01	2.00E+01	2.00E+01	NV
Dibromochloromethane	1.00E-01	1.00E-01	9.93E+00	1.00E+01	1.00E+01	1.70E-02
Ethylbenzene	7.00E-01	7.00E-01	7.00E+01	7.00E+01	7.00E+01	2.10E+00
Isopropylbenzene (cumene)	5.00E-03	1.05E+00	2.19E+01	2.19E+01	2.19E+01	NV
m-Xylenes	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
Methylene chloride	5.00E-03	1.19E-01	5.00E-01	5.00E-01	5.00E-01	5.90E-01
o-Xylene	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
p-Xylenes	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
Tetrachloroethene	5.00E-03	5.00E-03	5.00E-01	5.00E-01	5.00E-01	3.30E-03
Toluene	1.00E+00	5.24E+00	1.00E+02	1.00E+02	1.00E+02	5.98E+00
trans-1,2-Dichloroethene	1.00E-01	1.61E-01	1.00E+01	1.00E+01	1.00E+01	1.00E+01
Trichloroethene	5.00E-03	2.86E-02	5.00E-01	5.00E-01	5.00E-01	3.00E-02
Trichlorofluoromethane	2.00E+00	2.00E+00	2.00E+02	2.00E+02	2.00E+02	NV
Vinyl chloride	2.00E-03	3.27E-03	2.00E-01	2.00E-01	2.00E-01	2.40E-03
Xylenes (Total)	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
SVOCs						
1,2,3-Trichlorobenzene	5.00E-03	5.00E-03	2.50E+01	2.50E+01	2.50E+01	NV
1,2,4-Trichlorobenzene	7.00E-02	7.00E-02	1.08E+01	1.08E+01	1.08E+01	7.00E-02
1,2-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	6.00E+01	1.30E+00
1,3-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	6.00E+01	9.60E-01
1,4-Dichlorobenzene	7.50E-02	7.50E-02	7.50E+00	7.50E+00	7.50E+00	1.90E-01
Fluorene	1.00E+00	4.09E+00	3.60E+02	3.60E+02	3.60E+02	5.30E+00
Naphthalene	2.00E-02	2.00E-02	1.00E+02	1.00E+02	1.00E+02	NV
Phenanthrene	1.00E-02	1.00E-02	1.10E+02	1.10E+02	1.10E+02	NV
PCBs						
Aroclor-1016	5.00E-04	3.72E-03	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1221	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1232	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1242	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1248	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1254	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1260	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08

Notes:
NV - No value established.
(1) GEPD Rule 391-3-6-.03(5), In-Stream Water Quality Criteria (May 2011).

TABLE 3.2A

WELL CONSTRUCTION AND GROUNDWATER ELEVATION DATA
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Monitoring Well	Top of Casing Elevation[1]	Total Depth	Screen Interval					October 2003		June 2005		July 2007		September 2008		September 2009		February 18, 2010		August 11, 2010		Febraury 2011		September 8, 2011	
			Top Depth	Bottom Depth	Top Elevation	Bottom Elevation	Aquifer	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev
	Feet NAVD	Feet BTOC	Feet BTOC	Feet BTOC	Feet NAVD	Feet NAVD		Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD	Feet BTOC	Feet NAVD
MW-1	841.58	17.90	2.90	17.90	838.7	823.7	Shallow Surficial Aquifer	7.18	834.40	6.63	834.95	8.86	832.72	8.92	832.66	7.48	834.10	5.49	836.09	8.77	832.81	8.59	832.99	9.56	832.02
MW-2	841.73	17.15	2.15	17.15	839.6	824.6	Shallow Surficial Aquifer	9.95	831.78	9.29	832.44	11.98	829.75	12.64	829.09	11.41	830.32	10.21	831.52	12.34	829.39	12.19	829.54	13.34	828.39
MW-3	840.87	17.60	2.60	17.60	838.3	823.3	Shallow Surficial Aquifer	8.35	832.52	8.07	832.80	9.9	830.97	--	--	--	--	14.38	826.49	12.02	828.85	14.60	826.27	14.35	826.52
MW-4	842.06	24.50	14.50	24.50	827.6	817.6	Shallow Surficial Aquifer	13.01	829.05	10.13	831.93	15.8	826.26	16.18	825.88	14.01	828.05	11.39	830.67	--	--	15.18	826.88	16.5	825.56
MW-5	842.21	22.10	17.10	22.10	825.1	820.1	Shallow Surficial Aquifer	3.83	838.38	3.29	838.92	5.89	836.32	6.51	835.70	4.95	837.26	4.61	837.60	6.15	836.06	5.43	836.78	7.07	835.14
MW-6	841.13	36.48	31.48	36.48	809.7	804.7	Saprolite Aquifer	9.89	831.24	8.77	832.36	12.85	828.28	13.37	827.76	11.75	829.38	10.66	830.47	13.11	828.02	12.48	828.65	14.09	827.04
MW-7	840.66	41.50	36.50	41.50	804.2	799.2	Saprolite Aquifer	17.2	823.46	15.42	825.24	18.58	822.08	18.71	821.95	18.47	822.19	17.51	823.15	18.91	821.75	18.99	821.67	20.48	820.18
MW-8	842.01	30.48	20.48	30.48	821.5	811.5	Shallow Surficial Aquifer	19.42	822.59	17.55	824.46	21.82	820.19	21.18	820.83	20.71	821.30	18.26	823.75	21.16	820.85	21.28	820.73	22.58	819.43
MW-9	840.79	28.20	18.20	28.20	822.6	812.6	Shallow Surficial Aquifer	18.86	821.93	16.93	823.86	21.18	819.61	21.2	819.59	19.71	821.08	16.90	823.89	20.68	820.11	20.46	820.33	21.97	818.82
MW-10	841.92	20.20	10.20	20.20	831.72	821.72	Shallow Surficial Aquifer	11.81	830.11	11.02	830.90	14	827.92	14.75	827.17	13.65	828.27	11.10	830.82	14.35	827.57	14.12	827.80	15.57	826.35
MW-11	841.69	30.10	15.10	30.10	826.59	811.59	Shallow Surficial Aquifer	16.67	825.02	14.6	827.09	19.45	822.24	19.55	822.14	19.38	822.31	15.65	826.04	17.52	824.17	19.16	822.53	19.35	822.34
MW-12	841.83	40.08	30.08	40.08	811.75	801.75	Saprolite Aquifer	--	--	--	--	12.38	829.45	13.04	828.79	11.77	830.06	9.94	831.89	12.78	829.05	12.53	829.30	13.75	828.08
MW-12D	841.64	70.60	60.60	70.60	781.04	771.04	Bedrock	--	--	--	--	--	--	--	--	--	--	--	--	13.25	828.39	13.02	828.62	14.38	827.26
MW-13	841.25	25.15	15.15	25.15	826.10	816.10	Shallow Surficial Aquifer	--	--	--	--	--	--	--	--	--	--	--	--	18.84	822.41	18.88	822.37	20.4	820.85
PZ-1	841.11	10.15	5.15	10.15	835.96	830.96	Shallow Surficial Aquifer	7.35	833.76	7.22	833.89	8.72	832.39	9.06	832.05	8.35	832.76	7.15	833.96	--	--	9.05	832.06	9.61	831.5
PZ-2	841.55	10.00	5.00	10.00	836.55	831.55	Shallow Surficial Aquifer	7.96	833.59	7.86	833.69	Dry	--	--	--	8.86	832.69	7.87	833.68	8.99	832.56	--	--	--	--
RW-1	842.16	11.80	6.30	11.30	835.86	830.86	Shallow Surficial Aquifer	8.49	833.67	--	--	10.8	831.36	--	--	--	--	10.38	831.78	10.62	831.54	10.41	831.75	11.18	830.98

Notes:

[1] Top of casing (TOC) elevations are referenced to NAVD in feet
BTOC - Below Top of Casing
"--" no data available because the well was either dry or not accessible.
Groundwater contours drawn for the June 2005 and September 2011 data
Groundwater measurements for MW-3 and RW-1 for the February 2010 Event were taken from January 29, 2010 measurement

Table 3.2B

Surface Water Elevations
Southland Circle
Atlanta, Georgia

Gauging Stations	Surface water level [1] (feet-bgs)	Top of Staff Gauge Elevation (ft-NAVD)	Surface water Elevation (ft-msl)		
			Aug-11	Feb-11	Aug-10
Gauge-1	3.23	837.07	833.84	833.84	833.82
Gauge-2	2.89	836.05	833.16	833.19	833.18
Gauge-3	2.85	834.28	831.43	831.43	831.41

Notes :

[1] Surface water levels were measured from the top of each staff gauge (staff gauges are 3.33 feet long)

ft-NAVD - feet North American Vertical Datum

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			EPA-02	EPA-03B	TPN2-12	TPN3-12	TPS4-12	TPS5-14	TPEW-1	TPNW-1	TPSW-1	TPWW-1	PT1	PT2	PT3	PT4	K-SED-1	K-SED-2	K-SED-3	K-SED-4
Sample Name			EPA-02	3B	TPN2-12	TPN3-12	TPS4-12	TPS5-14	TPEW-1	TPNW-1	TPSW-1	TPWW-1	PT1	PT2	PT3	PT4	SED-1	SED-2	SED-3	SED-4
Sample Date			7/8/1993	7/8/1993	7/14/1994	7/14/1994	7/14/1994	7/14/1994	7/15/1994	7/15/1994	7/15/1994	7/15/1994	7/20/1994	7/20/1994	7/20/1994	7/20/1994	11/9/1994	11/9/1994	11/9/1994	11/9/1994
Depth			0 - 0.5 ft bgs	0 - 0.5 ft bgs	12 ft bgs	12 ft bgs	12 ft bgs	14 ft bgs	7 ft bgs	7 ft bgs	7 ft bgs	7 ft bgs	--	--	--	--	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs
Sample Type																				
	Units	Type 1 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	1298 U	2395 U	21643 U	16986 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	2596 U	4790 U	43285 U	33973 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	1298 U	2395 U	21643 U	16986 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	***1900***	***9200***	***58000***	***45000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	***1400***	***9700***	***60000***	***36000***
Aroclor-1254 (PCB-1254)	ug/kg	1550	10000 U	65000 U	-	-	-	-	-	-	-	-	-	-	-	-	***4000***	***1900 J***	***54000***	***30000***
Aroclor-1260 (PCB-1260)	ug/kg	1550	***11000***	***69000***	-	-	-	-	-	-	-	-	-	-	-	-	1298 U	2395 U	***63000***	***23000***
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	137 U	165 U	***3500***	***2500***	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	165 U	198 U	***6000***	***3500***	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	119 U	143 U	***7000***	***5200***	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	***6.2***	***4***	79.5 U	1.5 U	1.5 U	55 E	1.5 U	1.6 U	0.5 E	15.2 U	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	***265***	***236***	257.9 U	5 U	4.9 U	***780***	4.8 U	5.3 U	1.3 E	49.3 U	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-	-	-	***1.3***	***1.1***	231.5 U	4.5 U	4.4 U	214.2 U	4.3 U	4.8 U	1.6 E	44.2 U	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	***7.1***	***576***	99.2 U	0.6 E	0.5 E	***390***	0.8 E	0.7 E	***4.1***	5.6 E	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			K-SED-5	K-SED-6	K-SED-7	K-SED-8	B-1	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-4	B-5	B-5	B-6	B-7	B-7
Sample Name			SED-5	SED-6	SED-7	SED-8	B-1	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-4	B-5	B-5	B-6	B-7	B-7
Sample Date			11/9/1994	11/9/1994	11/9/1994	11/9/1994	3/16/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999
Depth			0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	2.5 ft bgs	5 ft bgs	7.5 ft bgs	10 ft bgs	5 ft bgs	7.5 ft bgs	5 ft bgs	2.5 ft bgs	7.5 ft bgs	7.5 ft bgs	10 ft bgs	2.5 ft bgs	7.5 ft bgs	10 ft bgs
Sample Type																				
	Units	Type 1 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	1057 U	5029 U	466 U	47 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	2115 U	10057 U	932 U	95 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	1057 U	5029 U	466 U	47 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	1057 U	5029 U	466 U	47 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	1057 U	5029 U	466 U	47 U	7200000	110	100	65	33 U	33 U	33 U	33 U	33 U	33 U	59	490	61	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	2800	11000	2000	98	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	1057 U	5029 U	466 U	47 U	33000000	350	510	220	33 U	33 U	48	99	33 U	33 U	210	450	280	39
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	3300 U	330 U	-	-	330 U	-	-	330 U	-	330 U	-	330 U	660	-
Naphthalene	ug/kg	100000	-	-	-	-	3300 U	330 U	-	-	330 U	-	-	330 U	-	330 U	-	330 U	880	-
Phenanthrene	ug/kg	110000	-	-	-	-	3300 U	330 U	-	-	330 U	-	-	330 U	-	330 U	-	330 U	650	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	16	5 U	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	2200000	10 U	-	-	10 U	-	-	10 U	-	10 U	-	21	10 U	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	5900000	10 U	-	-	10 U	-	-	10 U	-	10 U	-	83	10 U	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	69	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	28	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	58	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
Acetone	ug/kg	400000	-	-	-	-	100 U	100 U	-	-	100 U	-	-	100 U	-	100 U	-	100 U	100 U	-
Benzene	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Chlorobenzene	ug/kg	10000	-	-	-	-	10 U	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
Chloroethane	ug/kg	1000	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	10 U	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Ethylbenzene	ug/kg	70000	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	6	7	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	10 U	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	12	5 U	-	-	5 U	-	-	5 U	-	5 U	-	7	13	-
Methylene chloride	ug/kg	500	-	-	-	-	10 U	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
o-Xylene	ug/kg	1000000	-	-	-	-	22	5 U	-	-	5 U	-	-	5 U	-	5 U	-	14	8	-
Tetrachloroethene	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Toluene	ug/kg	100000	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Trichloroethene	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	5 U	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	10 U	10 U	-	-	10 U	-	-	10 U	-	10 U	-	10 U	10 U	-
Vinyl chloride	ug/kg	200	-	-	-	-	10 U	10 U	-	-	10 U	-	-	10 U	-	10 U	-	7	10 U	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	34	5 U	-	-	5 U	-	-	5 U	-	5 U	-	5 U	21	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*B-8*	*B-8*	*B-9*	*B-9*	*L-SED-9*	*L-SED-10*	*L-SED-11*	*L-SED-12*	*L-SED-13*	*L-SED-14*	*HA-1*	*HA-2*	*HA-3*	*HA-4*	*HA-5*	*HA-6*	*MW-4*	*MW-4*
Sample Name			*B-8*	*B-8*	*B-9*	*B-9*	*SED-1*	*SED-2*	*SED-3*	*SED-4*	*SED-5*	*SED-6*	*HA-1*	*HA-2*	*HA-3*	*HA-4*	*HA-5*	*HA-6*	*MW-4*	*MW-4*
Sample Date			*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/16/1999*	*3/17/1999*	*3/17/1999*	*3/17/1999*	*3/17/1999*	*3/17/1999*	*3/17/1999*	*3/16/1999*	*3/16/1999*
Depth			*5 ft bgs*	*7.5 ft bgs*	*7.5 ft bgs*	*10 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*1 ft bgs*	*1 ft bgs*	*1 ft bgs*	*1 ft bgs*	*1 ft bgs*	*1 ft bgs*	*5 ft bgs*	*7.5 ft bgs*
Sample Type																				
	Units	Type 1 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	1200	***6600***	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	***170***	33 U	33 U	33 U	33 U	***1700***	***2400***	33 U	33 U	33 U	33 U	330 U	330 U	***500***	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	33 U	33 U	33 U	***1100***	***120***	33 U	33 U	33 U	***3600***	***4900***	33 U	33 U	33 U	33 U	***2900***	330 U	***420***	33 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	330 U	-	330 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330 U
Naphthalene	ug/kg	100000	330 U	-	330 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330 U
Phenanthrene	ug/kg	110000	330 U	-	330 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330 U
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,1,2-Trichloroethane	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,1-Dichloroethane	ug/kg	400000	5 U	-	***34***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,1-Dichloroethene	ug/kg	700	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,2,3-Trichlorobenzene	ug/kg	25000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,2,4-Trichlorobenzene	ug/kg	10800	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,2-Dichlorobenzene	ug/kg	60000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,2-Dichloroethane	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,3-Dichlorobenzene	ug/kg	60000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,4-Dichlorobenzene	ug/kg	7500	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Acetone	ug/kg	400000	100 U	-	100 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100 U
Benzene	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Chlorobenzene	ug/kg	10000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Chloroethane	ug/kg	1000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Chloroform (Trichloromethane)	ug/kg	3850	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Chloromethane (Methyl chloride)	ug/kg	300	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
cis-1,2-Dichloroethene	ug/kg	7000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Ethylbenzene	ug/kg	70000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Isopropyl benzene	ug/kg	21900	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
m&p-Xylenes	ug/kg	1000000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Methylene chloride	ug/kg	500	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
o-Xylene	ug/kg	1000000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Tetrachloroethene	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Toluene	ug/kg	100000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
trans-1,2-Dichloroethene	ug/kg	10000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Trichloroethene	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Vinyl chloride	ug/kg	200	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Xylenes (total)	ug/kg	1000000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*MW-5*	*MW-6*	*MW-7*	*MW-7*	*B-10*	*B-13*	*B-16/17/18*	*B-19*	*B-20*	*B-21*	*B-22*	*B-23*	*B-24*	*B-25*	*B-26*	*B-26*	*B-27*
Sample Name			*SS-110200-MR-01*	*SS-110300-MR-07*	*SS-110200-MR-03*	*SS-110200-MR-04*	*SS-110200-MR-02*	*SS-110300-MR-05*	*SS-110300-MR-06*	*SS-110600-MR-08*	*S-111400-SLW-01*	*S-111400-SLW-02*	*S-112000-SLW-03*	*S-112000-SLW-04*	*S-112000-SLW-05*	*S-112000-SLW-06*	*S-112000-SLW-07*	*S-112000-SLW-11*	*S-112000-SLW-08*
Sample Date			*11/2/2000*	*11/3/2000*	*11/2/2000*	*11/3/2000*	*11/2/2000*	*11/3/2000*	*11/3/2000*	*11/6/2000*	*11/14/2000*	*11/14/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*
Depth			*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*18.5 - 20.5 ft bgs*	*3.5 - 3.8 ft bgs*	*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*1.3 - 1.5 ft bgs*	*1.2 - 1.3 ft bgs*	*1.3 - 1.5 ft bgs*	*2.1 - 2.5 ft bgs*	*2.5 - 2.9 ft bgs*	*1.2 ft bgs*	*3.3 - 3.7 ft bgs*	*3.3 - 3.7 ft bgs*	*2 - 2.3 ft bgs*
Sample Type																			
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	38 U	39 U	39 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	38 U	39 U	39 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	38 U	39 U	39 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	40 U	43 U	36 U	***220***	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	38 U	39 U	39 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	40 U	43 U	36 U	42 U	***110***	40 U	***110***	40 U	39 U	48 U	38 U	43 U	39 U	38 U	38 U	33 J	39 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	***220***	48 U	38 U	43 U	11 J	38 U	38 U	30 J	39 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	40 U	43 U	36 U	42 U	***340***	40 U	***350***	40 U	***250***	48 U	38 U	43 U	16 J	38 U	38 U	***41***	39 U
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*B-28*	*B-29*	*SED-15*	*SED-16*	*SED-17*	*SED-18*	*B-33*	*B-33*	*B-33*	*B-34*	*B-34*	*B-35*	*B-35*	*B-35*	*B-35*	*B-36*	*B-36*
Sample Name			*S-112000-SLW-09*	*S-112000-SLW-10*	*SED-111400-SLW-01*	*SED-111500-SLW-02*	*SED-111500-SLW-03*	*SED-111500-SLW-04*	*S-091001-SLW-016*	*S-091001-SLW-010*	*S-091001-SLW-017*	*S-091001-SLW-019*	*S-091001-SLW-011*	*S-091001-SLW-012*	*S-091001-SLW-021*	*S-091001-SLW-022*	*S-091001-SLW-023*	*S-091001-SLW-024*	*S-091001-SLW-013*
Sample Date			*11/20/2000*	*11/20/2000*	*11/14/2000*	*11/15/2000*	*11/15/2000*	*11/15/2000*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*
Depth			*2.6 - 2.8 ft bgs*	*2.4 - 3 ft bgs*	*0.1 - 0.3 ft bgs*	*1.2 - 1.4 ft bgs*	*1.7 - 1.9 ft bgs*	*2.3 - 2.6 ft bgs*	*1.3 - 2.1 ft bgs*	*2 ft bgs*	*2.1 - 2.7 ft bgs*	*1.6 - 2.3 ft bgs*	*2 ft bgs*	*1.7 ft bgs*	*1.7 - 2.5 ft bgs*	*1.7 - 2.5 ft bgs*	*2.5 - 3.3 ft bgs*	*1.5 - 2.3 ft bgs*	*1.8 ft bgs*
Sample Type																*Duplicate*			
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	41 U	41 U	2000 U	910 U	9000 U	4600 U	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	46000 U	-
Aroclor-1221 (PCB-1221)	ug/kg	1550	41 U	41 U	2000 U	910 U	9000 U	4600 U	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	46000 U	-
Aroclor-1232 (PCB-1232)	ug/kg	1550	41 U	41 U	2000 U	910 U	9000 U	4600 U	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	46000 U	-
Aroclor-1242 (PCB-1242)	ug/kg	1550	41 U	41 U	***12000***	***12000***	***96000***	***39000***	48 U	-	47 U	47 U	-	-	***190000***	***150000***	***15000***	***950000***	-
Aroclor-1248 (PCB-1248)	ug/kg	1550	41 U	41 U	2000 U	910 U	9000 U	4600 U	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	46000 U	-
Aroclor-1254 (PCB-1254)	ug/kg	1550	41 U	41 U	2000 U	***2600***	***21000***	***9000***	48 U	-	***70***	47 U	-	-	***26000***	***20000***	***2600***	46000 U	-
Aroclor-1260 (PCB-1260)	ug/kg	1550	41 U	20 J	***16000***	910 U	9000 U	***5300***	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	46000 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	7.9 U	-	-	***12***	5.9 U	-	-	-	-	7.7 U
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	7.9 U	-	-	***8.9***	5.9 U	-	-	-	-	7.7 U
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	7.9 U	-	-	***23***	5.9 U	-	-	-	-	7.7 U
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	7.9 U	-	-	***6.8***	5.9 U	-	-	-	-	7.7 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	7.9 U	-	-	***27***	5.9 U	-	-	-	-	7.7 U
Acetone	ug/kg	400000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	***18***	-	-	-	-	***26***
Benzene	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	7.9 U	-	-	***7***	5.9 U	-	-	-	-	7.7 U
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	6.5 U	-	-	***7.4***	4.9 U	-	-	-	-	6.4 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	***22***	5.9 U	-	-	-	-	***17***
Toluene	ug/kg	100000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	***8.3***	5.9 U	-	-	-	-	7.7 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	7.9 U	-	-	***24***	5.9 U	-	-	-	-	7.7 U
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	-	7.7 U

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			B-36	B-37	B-37	B-37	B-37	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9	S-101	S-104	S-105
Sample Name			S-091001-SLW-025	S-091001-SLW-014	S-091001-SLW-015	S-091001-SLW-026	S-091001-SLW-027	S-091001-SLW-001	S-091001-SLW-003	S-091001-SLW-002	S-091001-SLW-004	S-091001-SLW-029	S-091001-SLW-007	S-091001-SLW-006	S-091001-SLW-008	S-091001-SLW-009	S-012003-SLW-101	S-012003-SLW-104	S-012003-SLW-105
Sample Date			9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	1/20/2003	1/20/2003	1/20/2003
Depth			2.3 - 3 ft bgs	1.3 ft bgs	1.3 ft bgs	1.5 - 2.3 ft bgs	2.3 - 3 ft bgs	9.7 ft bgs	14.5 - 15.7 ft bgs	19.5 ft bgs	22.5 - 23.5 ft bgs	28 - 30 ft bgs	20 - 22 ft bgs	22 ft bgs	26 - 28 ft bgs	26 - 28 ft bgs	--	0 - 0.5 ft bgs	0 - 0.5 ft bgs
Sample Type					Duplicate														
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	9300 U	-	-	940 U	470 U	-	42 U	-	44 U	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	9300 U	-	-	940 U	470 U	-	42 U	-	44 U	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	9300 U	-	-	940 U	470 U	-	42 U	-	44 U	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	110000	-	-	2000	5100	-	42 U	-	200	46 U	60	-	42 U	-	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	9300 U	-	-	940 U	470 U	-	42 U	-	44 U	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	9300 U	-	-	940 U	1100	-	42 U	-	44 U	46 U	45 U	-	42 U	-	33 U	33 U	1600
Aroclor-1260 (PCB-1260)	ug/kg	1550	9300 U	-	-	10000	590	-	42 U	-	53	46 U	45 U	-	42 U	-	1100	1700	4600
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,1,2-Trichloroethane	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,1-Dichloroethane	ug/kg	400000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,1-Dichloroethene	ug/kg	700	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.9	-	6.2 U	3 U	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	8.1	-	6.2 U	3 U	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,2-Dichloroethane	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Acetone	ug/kg	400000	-	46	35	-	-	6.5 U	-	57	-	-	-	5.6 U	-	6.2 U	59 U	-	-
Benzene	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chlorobenzene	ug/kg	10000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chloroethane	ug/kg	1000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3 U	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	5.5 U	7.7 U	-	-	5.4 U	-	8.3 U	-	-	-	4.6 U	-	5.1 U	3.8	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Ethylbenzene	ug/kg	70000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	850 J	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250 J	-	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	770 J	-	-
Methylene chloride	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	30 U	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100 J	-	-
Tetrachloroethene	ug/kg	500	-	110	82	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	14	-	-
Toluene	ug/kg	100000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	6.4	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Trichloroethene	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	1.4 J	-	-
Vinyl chloride	ug/kg	200	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Xylenes (total)	ug/kg	1000000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	5.6 U	-	6.2 U	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*S-106*	*00+00-N*	*00+00-CL*	*00+00-S*	*00+25-N*	*00+25-CL*	*00+25-S*	*00+50-N*	*00+50-CL*	*00+50-S*	*00+75-N*	*00+75-CL*	*00+75-S*	*01+00-N*	*01+00-CL*	*01+00-S*	*01+31-N*
Sample Name			*S-012003-SLW-106*	*S-022503-SLW-253*	*S-022503-SLW-252*	*S-022503-SLW-254*	*S-022503-SLW-256*	*S-022503-SLW-255*	*S-022503-SLW-257*	*S-012403-SLW-202*	*S-012403-SLW-201*	*S-012403-SLW-203*	*S-020303-SLW-205*	*S-020303-SLW-204*	*S-020303-SLW-206*	*S-020403-SLW-208*	*S-020403-SLW-207*	*S-020403-SLW-209*	*S-020503-SLW-211*
Sample Date			*1/20/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*1/24/2003*	*1/24/2003*	*1/24/2003*	*2/3/2003*	*2/3/2003*	*2/3/2003*	*2/4/2003*	*2/4/2003*	*2/4/2003*	*2/5/2003*
Depth			*0 - 0.5 ft bgs*	*--*	*--*	*--*	*1.5 ft bgs*	*0.2 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*1.3 ft bgs*	*0.3 ft bgs*	*1.3 ft bgs*	*1.3 ft bgs*	*0.3 ft bgs*	*1.3 ft bgs*	*1.5 ft bgs*
Sample Type																			
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 UJ
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	***13000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	***81***	***80***	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	***16000***	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	***18000 J***
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	***5***	-	-	2.9 U	-	-	0.62 J	-	-	2.9 U	-	-	3 U	-	-
1,1-Dichloroethene	ug/kg	700	-	-	2.5 J	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	3 UJ	-	-	2.9 UJ	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 UJ	-	-	3 UJ	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
1,2-Dichloroethane	ug/kg	500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Acetone	ug/kg	400000	-	-	61 U	-	-	59 U	-	-	12 UJ	-	-	59 UJ	-	-	60 UJ	-	-
Benzene	ug/kg	500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Chlorobenzene	ug/kg	10000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Chloroethane	ug/kg	1000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	***5.2***	-	-	2.9 U	-	-	1.2 J	-	-	2.9 U	-	-	3 U	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Ethylbenzene	ug/kg	70000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Isopropyl benzene	ug/kg	21900	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
m&p-Xylenes	ug/kg	1000000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Methylene chloride	ug/kg	500	-	-	30 U	-	-	29 U	-	-	15 U	-	-	29 U	-	-	30 U	-	-
o-Xylene	ug/kg	1000000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Tetrachloroethene	ug/kg	500	-	-	***80***	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Toluene	ug/kg	100000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Trichloroethene	ug/kg	500	-	-	***32***	-	-	2.9 U	-	-	2.1 J	-	-	2.9 U	-	-	3 U	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	33 J	-	-	2.9 UJ	-	-	0.76 J	-	-	2.9 U	-	-	3 U	-	-
Vinyl chloride	ug/kg	200	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			01+31-CL	01+31-S	01+50-N	01+50-CL	01+50-S	01+75-N	01+75-CL	01+75-S	02+00-N	02+00-CL	02+00-S	02+25-N	02+25-CL	02+25-S	02+50-N	02+50-CL	02+50-S
Sample Name			S-020503-SLW-210	S-020503-SLW-212	S-021103-SLW-214	S-021103-SLW-213	S-021103-SLW-215	S-021203-SLW-217	S-021203-SLW-216	S-021203-SLW-218	S-021303-SLW-220	S-021303-SLW-219	S-021303-SLW-221	S-021403-SLW-223	S-021403-SLW-222	S-021403-SLW-224	S-021403-SLW-226	S-021403-SLW-225	S-021403-SLW-227
Sample Date			2/5/2003	2/5/2003	2/11/2003	2/11/2003	2/11/2003	2/12/2003	2/12/2003	2/12/2003	2/13/2003	2/13/2003	2/13/2003	2/14/2003	2/14/2003	2/14/2003	2/15/2003	2/15/2003	2/15/2003
Depth			0.3 ft bgs	1.5 ft bgs	1.5 ft bgs	0.3 ft bgs	1.5 ft bgs	1.5 ft bgs	0.2 ft bgs	1.5 ft bgs	1.5 ft bgs	0.3 ft bgs	1.5 ft bgs	1.5 ft bgs	0.5 ft bgs	0.8 ft bgs	1.5 ft bgs	0.5 ft bgs	0.8 ft bgs
Sample Type																			
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 UJ	33 UJ	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 UJ	33 UJ	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	760	260	9500	29000	54000	19000	5600	510000	380000	28000	4100	37000	17000	560	3400	45000	1000000 J
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	2500 J	580 J	6800	62000	21000	19000	1500	640000	45000	2000	190	14000	3800	33 U	530	1200	2300
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
1,1,2-Trichloroethane	ug/kg	500	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
1,1-Dichloroethane	ug/kg	400000	0.78 J	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
1,1-Dichloroethene	ug/kg	700	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
1,2,3-Trichlorobenzene	ug/kg	25000	2.9 UJ	-	-	52	-	-	3 U	-	-	2.6 U	-	-	2.9 UJ	-	-	2.9 UJ	-
1,2,4-Trichlorobenzene	ug/kg	10800	4.2 J	-	-	320 J	-	-	8.7	-	-	2.6 U	-	-	2.9 UJ	-	-	2.9 UJ	-
1,2-Dichlorobenzene	ug/kg	60000	2.9 U	-	-	1.6 J	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
1,2-Dichloroethane	ug/kg	500	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
1,3-Dichlorobenzene	ug/kg	60000	2.9 U	-	-	11	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
1,4-Dichlorobenzene	ug/kg	7500	2.9 U	-	-	26	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Acetone	ug/kg	400000	9 J	-	-	58 UJ	-	-	60 UJ	-	-	12 J	-	-	37 J	-	-	31 J	-
Benzene	ug/kg	500	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Chlorobenzene	ug/kg	10000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Chloroethane	ug/kg	1000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Chloroform (Trichloromethane)	ug/kg	3850	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Chloromethane (Methyl chloride)	ug/kg	300	2.9 UJ	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
cis-1,2-Dichloroethene	ug/kg	7000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Ethylbenzene	ug/kg	70000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Isopropyl benzene	ug/kg	21900	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
m&p-Xylenes	ug/kg	1000000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Methylene chloride	ug/kg	500	29 U	-	-	29 U	-	-	30 U	-	-	26 U	-	-	29 U	-	-	29 U	-
o-Xylene	ug/kg	1000000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Tetrachloroethene	ug/kg	500	2.9 U	-	-	2.9 U	-	-	3 U	-	-	3.8	-	-	6.9	-	-	2.9 U	-
Toluene	ug/kg	100000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
trans-1,2-Dichloroethene	ug/kg	10000	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Trichloroethene	ug/kg	500	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2 J	-	-	2.9 U	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	2.9 U	-	-	2.9 UJ	-	-	3 UJ	-	-	2.6 UJ	-	-	2.9 UJ	-	-	2.9 UJ	-
Vinyl chloride	ug/kg	200	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	-	2.9 U	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			02+75-N	02+75-CL	02+75-CL	02+75-S	03+00-N	03+00-CL	03+00-S	03+25-N	03+25-CL	03+25-CL	03+25-S	03+50-N	03+50-CL	03+50-S	03+75-N	03+75-CL	03+75-S
Sample Name			S-021703-SLW-229	S-021703-SLW-228	S-021703-SLW-109	S-021703-SLW-230	S-021803-SLW-232	S-021803-SLW-231	S-021803-SLW-233	S-021803-SLW-235	S-021803-SLW-234	S-021803-SLW-111	S-021803-SLW-236	S-021903-SLW-238	S-021903-SLW-237	S-021903-SLW-239	S-021903-SLW-241	S-021903-SLW-240	S-021903-SLW-242
Sample Date			2/17/2003	2/17/2003	2/17/2003	2/17/2003	2/18/2003	2/18/2003	2/18/2003	2/18/2003	2/18/2003	2/18/2003	2/18/2003	2/19/2003	2/19/2003	2/19/2003	2/19/2003	2/19/2003	2/19/2003
Depth			1.5 ft bgs	0.2 ft bgs	0.2 ft bgs	0.8 ft bgs	1.5 ft bgs	0.3 ft bgs	0.8 ft bgs	1.5 ft bgs	0.2 ft bgs	0.2 ft bgs	0.8 ft bgs	1.5 ft bgs	0.5 ft bgs	0.8 ft bgs	1.5 ft bgs	0.2 ft bgs	0.8 ft bgs
Sample Type					Duplicate							Duplicate							
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	5600 J	1700 J	2100 J	280 J	1200 J	330000 J	3000 J	600	560	-	33 U	510 J	13000 J	33 UJ	240 J	510 J	8300000 J
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	330	160	220	100	4400	10000	130	430	100	-	33 U	870	1200	240	97	33 U	570000
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
1,1,2-Trichloroethane	ug/kg	500	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
1,1-Dichloroethane	ug/kg	400000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
1,1-Dichloroethene	ug/kg	700	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	4.9 UJ	-	-	-	22 J	-	-	3 UJ	2.8 UJ	-	-	3 U	-	-	2.9 U	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	4.9 UJ	-	-	-	110 J	-	-	3 UJ	2.8 UJ	-	-	3 U	-	-	2.9 U	-
1,2-Dichlorobenzene	ug/kg	60000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
1,2-Dichloroethane	ug/kg	500	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
1,3-Dichlorobenzene	ug/kg	60000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
1,4-Dichlorobenzene	ug/kg	7500	-	4.9 U	-	-	-	5.8	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Acetone	ug/kg	400000	-	29 J	-	-	-	59 U	-	-	6.2 J	56 U	-	-	340 J	-	-	56 J	-
Benzene	ug/kg	500	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Chlorobenzene	ug/kg	10000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Chloroethane	ug/kg	1000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 UJ	-	-	2.9 UJ	-
Chloroform (Trichloromethane)	ug/kg	3850	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Chloromethane (Methyl chloride)	ug/kg	300	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
cis-1,2-Dichloroethene	ug/kg	7000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Ethylbenzene	ug/kg	70000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Isopropyl benzene	ug/kg	21900	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
m&p-Xylenes	ug/kg	1000000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Methylene chloride	ug/kg	500	-	49 U	-	-	-	29 U	-	-	30 U	28 U	-	-	30 U	-	-	29 U	-
o-Xylene	ug/kg	1000000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Tetrachloroethene	ug/kg	500	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Toluene	ug/kg	100000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
trans-1,2-Dichloroethene	ug/kg	10000	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Trichloroethene	ug/kg	500	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	4.9 UJ	-	-	-	2.9 UJ	-	-	3 UJ	2.8 UJ	-	-	3 UJ	-	-	2.9 UJ	-
Vinyl chloride	ug/kg	200	-	4.9 U	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 UJ	-	-	2.9 UJ	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*04+00-N*	*04+00-CL*	*04+00-CL*	*04+00-S*	*04+00-S*	*04+25-N*	*04+25-CL*	*04+25-S*	*04+50-N*	*04+50-CL*	*04+50-S*	*B-38*	*B-38*	*B-38*	*B-39*	*B-40*	*B-40*
Sample Name			*S-022003-SLW-244*	*S-022003-SLW-243*	*S-022003-SLW-112*	*S-022003-SLW-245*	*S-022003-SLW-113*	*S-022003-SLW-247*	*S-022003-SLW-246*	*S-022003-SLW-248*	*S-022003-SLW-250*	*S-022003-SLW-249*	*S-022003-SLW-251*	*S-060603-DB-34*	*S-060603-DB-35*	*S-060603-DB-36*	*S-060603-DB-2*	*S-060603-DB-16*	*S-060603-DB-17*
Sample Date			*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*
Depth			*1.5 ft bgs*	*0.3 ft bgs*	*0.3 ft bgs*	*0.5 ft bgs*	*0.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*3 - 4 ft bgs*	*6 - 7 ft bgs*	*10 - 11 ft bgs*	*3 - 4 ft bgs*	*6 ft bgs*	*10 ft bgs*
Sample Type					*Duplicate*		*Duplicate*												
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***1600***	***6700***	-	***3300***	***1600***	***390***	***15000***	***1400***	33 U	33 U	33 U	33 U	33 U	***5000***	***4300000 J***	***92***	***58***
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	***5100***	***3600000 J***	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	***1300***	***2200***	-	***390***	***400***	***630***	***2000***	***3600***	33 U	33 U	33 U	33 U	33 U	***6100***	***1100000 J***	24 J	33 U
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	3.5 UJ	3.2 UJ	-	-	-	2.8 UJ	-	-	2.9 UJ	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	3.5 UJ	3.2 UJ	-	-	-	2.8 UJ	-	-	2.9 UJ	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	70 UJ	64 UJ	-	-	-	56 UJ	-	-	58 UJ	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	***18***	***13***	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
m&p-Xylenes	ug/kg	1000000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	35 U	32 U	-	-	-	28 U	-	-	29 U	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	3.5 U	3.2 U	-	-	-	***4.3***	-	-	2.9 U	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	1.3 J	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	2.5 J	2.3 J	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	3.5 UJ	3.2 UJ	-	-	-	2.8 UJ	-	-	2.9 UJ	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*B-41*	*B-41*	*B-42*	*B-42*	*B-43*	*B-43*	*B-44*	*B-44*	*B-45*	*B-46*	*B-46*	*B-46*	*B-47*	*B-47*	*B-47*	*B-48*	*B-48*
Sample Name			*S-060603-DB-13*	*S-060603-DB-14*	*S-060603-DB-4*	*S-060603-DB-5*	*S-060603-DB-19*	*S-060603-DB-20*	*S-060603-DB-22*	*S-060603-DB-23*	*S-060603-DB-30*	*S-060603-DB-31*	*S-060603-DB-32*	*S-060603-DB-33*	*S-060603-DB-27*	*S-060603-DB-28*	*S-060603-DB-29*	*S-060603-DB-7*	*S-060603-DB-8*
Sample Date			*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*
Depth			*6 ft bgs*	*10 ft bgs*	*7 ft bgs*	*9 - 10 ft bgs*	*7.5 - 8 ft bgs*	*10 ft bgs*	*6 ft bgs*	*10 ft bgs*	*3 - 4 ft bgs*	*3 - 4 ft bgs*	*6 ft bgs*	*11 ft bgs*	*3 - 4 ft bgs*	*7 ft bgs*	*11 ft bgs*	*5 - 6 ft bgs*	*10 - 11 ft bgs*
Sample Type																			
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***170***	33 U	***13000000 J***	***220***	***110000***	***7200***	***260***	33 U	33 U	***75***	33 U	33 U	33 U	33 U	***1500***	***6600000 J***	***1100***
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33 U	***4300***	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	***140***	33000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	***2400***	***190***	***3900000 J***	***54***	***2400***	***19000***	***50***	33 U	***1500***	25 J	33 U	33 U	33 U	33 U	33 U	***460000 J***	***99***
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*B-49*	*B-49*	*B-49*	*B-50*	*B-50*	*B-50*	*B-51*	*MW-10*	*MW-10*	*MW-10*	*Trench Wall (removed)*	*B-51*	*B-52*	*B-52*	*B-52*	*B-53*	*B-54*
Sample Name			*S-060603-DB-24*	*S-060603-DB-25*	*S-060603-DB-26*	*S-060603-DB-9*	*S-060603-DB-10*	*S-060603-DB-11*	*S-091803-SLW-01*	*S-080503DJB-001*	*S-080503DJB-002*	*S-080503DJB-003*	*C-091803-MR-02*	*S-091803-SLW-02*	*S-091803-SLW-03*	*S-091803-SLW-04*	*S-091803-SLW-05*	*S-092003-MR-04*	*S-092003-MR-05*
Sample Date			*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*9/18/2003*	*8/5/2003*	*8/5/2003*	*8/5/2003*	*9/18/2003*	*9/18/2003*	*9/18/2003*	*9/18/2003*	*9/18/2003*	*9/20/2003*	*9/20/2003*
Depth			*3 - 4 ft bgs*	*4 - 8 ft bgs*	*10 ft bgs*	*3 - 4 ft bgs*	*6 - 7 ft bgs*	*10 - 11 ft bgs*	*1.3 ft bgs*	*5.5 - 7.5 ft bgs*	*9 - 11 ft bgs*	*14 - 16 ft bgs*	*4 ft bgs*	*3.3 ft bgs*	*1.3 ft bgs*	*2.8 ft bgs*	*4.3 ft bgs*	*3 - 4 ft bgs*	*7 - 7.5 ft bgs*
Sample Type																			
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	330 U	33 U	330 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	330 U	33 U	330 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	330 U	33 U	330 U	33 U	***2200***	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***140***	***990000 J***	***220***	***1300000***	***530***	33 U	33 U	33 U	33 U	***520***	***1300000***	33 U	33 U	***7100000***	33 UJ	***730000***	***130000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	330 U	33 U	330 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	330 U	33 U	330 U	33 U	33 U	***82***	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	33 U	***180000 J***	33 U	330 U	***91***	33 U	***84***	33 U	33 U	***36***	***18000***	33 U	33 U	***82000***	33 UJ	***13000***	***8800***
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	19 U	19 U	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	3.2 J	***5.4***	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	-	4.7 U	***14***	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	9.3 U	9.5 U	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	9.3 U	9.5 U	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	4.7 U	***23***	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	4.7 U	***110***	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	4.7 U	***65***	-	-	-	-	-	-	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	-	-	-	-	9.3 U	***28***	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	9.3 U	9.5 U	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-
													-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*B-55*	*B-56*	*RW-1*	*MW-11*	*MW-11*	*MW-11*	*BH-1*	*BH-1*	*BH-2*	*BH-2*	*BH-3*	*BH-3*	*BH-4*	*BH-4*	*BH-5*	*BH-5*	*BH-6*	*BH-6*
Sample Name			*S-092003-MR-06*	*S-092003-MR-07*	*S-092003-MR-03*	*S-102303-SLW-3*	*S-102303-SLW-1*	*S-102303-SLW-2*	*S-012407-CRM-124*	*S-012407-CRM-125*	*S-012407-CRM-126*	*S-012407-CRM-127*	*S-012407-CRM-128*	*S-012407-CRM-129*	*S-012407-CRM-120*	*S-012407-CRM-121*	*S-012407-CRM-118*	*S-012407-CRM-119*	*S-012407-CRM-116*	*S-012407-CRM-117*
Sample Date			*9/20/2003*	*9/20/2003*	*9/20/2003*	*10/23/2003*	*10/23/2003*	*10/23/2003*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*
Depth			*3 - 4 ft bgs*	*3 - 4 ft bgs*	*11.8 - 12.2 ft bgs*	*6.5 - 7.5 ft bgs*	*15.5 - 17.5 ft bgs*	*20.5 - 22.5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*
Sample Type																				
	Units	Type 1 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	17 U	17 U	17 U	42 U	43 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	40 U	41 U	42 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	17 U	17 U	17 U	42 U	43 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	40 U	41 U	42 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	17 U	17 U	17 U	42 U	43 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	40 U	41 U	42 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***970000***	***520000***	***380000***	17 U	17 U	17 U	42 U	43 U	41 U	42 U	40 U	***2700***	38 U	42 U	39 U	40 U	41 U	42 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	17 U	17 U	17 U	42 U	43 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	40 U	41 U	42 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	17 U	17 U	17 U	42 U	43 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	40 U	41 U	42 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	***140000***	***83000***	***34000***	17 U	17 U	17 U	42 U	43 U	41 U	42 U	40 U	***390***	38 U	42 U	39 U	40 U	41 U	42 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	2.8 U	2.9 U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	11 U	12 U	71 U	-	-	76 U	-	72 U	-	79 U	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	5.6 U	5.8 U	7.1 U	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	5.6 U	5.8 U	7.1 U	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	5.6 U	5.8 U	7.1 U	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	***3.8***	-	4.0 U	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
m&p-Xylenes	ug/kg	1000000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Toluene	ug/kg	100000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	***3.8***	-	4.0 U	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	2.8 U	2.9 U	3.6 U	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	5.6 U	5.8 U	7.1 U	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-
			-	-	-	-	2.8 U	2.9 U	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ug/kg - micrograms per kilograms

ft bgs - feet below ground surface

J - Estimated, below Quantitation Limits.

E - Estimated values

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

Detection below Type 1 RRS but above reporting limits are shown in blue

Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*BH-7*	*BH-7*	*BH-7*	*BH-8*	*BH-8*	*BH-9*	*BH-9*	*BH-10*	*BH-10*	*BH-11*	*BH-11*	*BH-12*	*BH-12*	*BH-13*	*BH-13*	*BH-14*	*BH-14*
Sample Name			*S-012407-CRM-113*	*S-012407-CRM-114*	*S-012407-CRM-115*	*S-012407-CRM-111*	*S-012407-CRM-112*	*S-012407-CRM-109*	*S-012407-CRM-110*	*S-012407-CRM-107*	*S-012407-CRM-108*	*S-012407-CRM-103*	*S-012407-CRM-104*	*S-012407-CRM-101*	*S-012407-CRM-102*	*S-012407-CRM-105*	*S-012407-CRM-106*	*S-012407-CRM-122*	*S-012407-CRM-123*
Sample Date			*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*
Depth			*2 ft bgs*	*5 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*
Sample Type					*Duplicate*														
	Units	Type 1 RRS																	
Polychlorinated Biphenyl																			
Aroclor-1016 (PCB-1016)	ug/kg	1550	41 U	43 U	43 U	39 U	36 U	39 U	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	41 U	43 U	43 U	39 U	36 U	39 U	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	41 U	43 U	43 U	39 U	36 U	39 U	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	41 U	43 U	43 U	39 U	36 U	39 U	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	41 U	43 U	43 U	39 U	36 U	39 U	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	41 U	43 U	43 U	39 U	36 U	39 U	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	***170***
Aroclor-1260 (PCB-1260)	ug/kg	1550	41 U	43 U	43 U	***2700***	36 U	39 U	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	***110***	***120***
Polycyclic Aromatic Hydrocarbons (PAH)																			
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,1,2-Trichloroethane	ug/kg	500	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,1-Dichloroethane	ug/kg	400000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,1-Dichloroethene	ug/kg	700	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,2-Dichloroethane	ug/kg	500	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Acetone	ug/kg	400000	-	-	-	72 U	-	71 U	81 U	-	-	-	-	-	-	-	64 U	70 U	80 U
Benzene	ug/kg	500	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Chlorobenzene	ug/kg	10000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Chloroethane	ug/kg	1000	-	-	-	7.2 U	-	7.1 U	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	7.2 U	-	7.1 U	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Cyclohexane	ug/kg	20000	-	-	-	7.2 U	-	7.1 U	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
Dibromochloromethane	ug/kg	9930	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Ethylbenzene	ug/kg	70000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Isopropyl benzene	ug/kg	21900	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
m&p-Xylenes	ug/kg	1000000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Methylene chloride	ug/kg	500	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
o-Xylene	ug/kg	1000000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Tetrachloroethene	ug/kg	500	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Toluene	ug/kg	100000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Trichloroethene	ug/kg	500	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Vinyl chloride	ug/kg	200	-	-	-	3.6 U	-	3.6 U	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Xylenes (total)	ug/kg	1000000	-	-	-	7.2 U	-	7.1 U	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ug/kg - micrograms per kilograms

ft bgs - feet below ground surface

J - Estimated, below Quantitation Limits.

E - Estimated values

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

Detection below Type 1 RRS but above reporting limits are shown in blue

Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*SB5-East sidewall*	*SB6-South sidewall*	*SB7-West sidewall*	*SB9-North sidewall*	*SB10-East sidewall*	*SB8-Center-vertical*	*SB1-East sidewall*	*SB2-North sidewall*	*SB4-West sidewall*	*SB3-Center-vertical*	*S8-South sidewall*	*S1-East sidewall*	*S2-South sidewall*	*S3-North sidewall*	*S5-North sidewall*
Sample Name			*SB5 1-2 (E sidewall)*	*SB6 1-2 (S sidewall)*	*SB7 1-2 (W sidewall)*	*SB9 2-3 (N sidewall)*	*SB10 2-3 (E sidewall)*	*SB8 3-4 (Center-vertical)*	*SB1 4-5 (E sidewall)*	*SB2 4-5 (N sidewall)*	*SB4 4-5 (W sidewall)*	*33 6.5-7.5 (Center-vertica*	*S8 4-5 (S sidewall)*	*S1 2-3 (E sidewall)*	*S2 2-3 (S sidewall)*	*S3 2-3 (N sidewall)*	*S5 2 (N sidewall)*
Sample Date			*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*
Depth			*1 - 2 ft BGS*	*1 - 2 ft BGS*	*1 - 2 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*3 - 4 ft BGS*	*4 - 5 ft BGS*	*4 - 5 ft BGS*	*4 - 5 ft BGS*	*6.5 - 7.5 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*2 ft BGS*
Sample Type																	
	Units	Type 1 RRS															
Polychlorinated Byphenyl																	
Aroclor-1016 (PCB-1016)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	41 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	41 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	41 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	45 U	46 U	36 U	***2300***	***2600***	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	41 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	***420***
Aroclor-1254 (PCB-1254)	ug/kg	1550	45 U	46 U	36 U	39 U	360 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	***250***	***840***
Aroclor-1260 (PCB-1260)	ug/kg	1550	45 U	46 U	***190***	***1900***	***5300***	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	***240***	***1300***
Polycyclic Aromatic Hydrocarbons (PAH)																	
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	***31***
1,2-Dichlorobenzene	ug/kg	60000	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	4.7 U	4.7 U	2.8 U	4.4 U	3.4	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U
1,4-Dichlorobenzene	ug/kg	7500	4.7 U	4.7 U	2.8 U	4.4 U	3.4	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	18 U	5.8 U	5.5 U
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	***13***	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	9930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	***89***	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	7.8	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-		-	-	-	-	-	-	

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3A

HISTORICAL REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*S6-South sidewall*	*S7-East sidewall*	*S4-Base*	*S10-East sidewall*	*DP2-South sidewall*	*DP3-West sidewall*	*DP4-East sidewall*	*DP5-North sidewall*	*DP1-Base*	*MW-13*
Sample Name			*S6 2 (S sidewall)*	*S7 2 (E sidewall)*	*S4 6.5 (Base)*	*S10 (E sidewall)*	*DP 2 7-8 (S sidewall)*	*DP 3 (W sidewall)*	*DP 4 (E sidewall)*	*DP 5 (N sidewall)*	*DP 1 7-8 (Base)*	*S-072210-TBM-001*
Sample Date			*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/12/2007*	*11/12/2007*	*11/12/2007*	*11/12/2007*	*11/12/2007*	*11/12/2007*	*7/22/2010*
Depth			*2 - 3 ft BGS*	*2 - 3 ft BGS*	*6.5 ft BGS*	*2 - 3 ft BGS*	*7 - 8 ft BGS*	*7 - 8 ft BGS*	*7 - 8 ft BGS*	*7 - 8 ft BGS*	*11 ft BGS*	*15 - 17 ft bgs*
Sample Type												
	Units	Type 1 RRS										
Polychlorinated Byphenyl												
Aroclor-1016 (PCB-1016)	ug/kg	1550	41 U	18000 U	73000 U	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	41 U	18000 U	73000 U	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	41 U	18000 U	73000 U	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	41 U	18000 U	73000 U	42 U	39 U	***180000***	***250***	***130***	***14000***	44 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	41 U	18000 U	73000 U	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	***680***	***65000***	***460000***	42 U	39 U	***68000***	***310***	37 U	***8100***	44 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	***440***	***110000***	***730000***	42 U	39 U	***84000***	***620***	37 U	***12000***	44 U
Polycyclic Aromatic Hydrocarbons (PAH)												
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds												
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	4.9 U
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	4.9 U
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	4.9 U
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	4.9 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	5.3 U	***11***	***380000***	5.7 U	***7.8***	***9700***	***13***	4.7 U	***140***	4.9 U
1,2-Dichlorobenzene	ug/kg	60000	5.3 U	4.8 U	***2800***	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	4.9 U
1,3-Dichlorobenzene	ug/kg	60000	5.3 U	4.8 U	***1500***	5.7 U	***9.8***	***9.8***	5 U	4.7 U	4.9 U	4.9 U
1,4-Dichlorobenzene	ug/kg	7500	5.3 U	4.8 U	***25000***	5.7 U	***120***	***45***	***10***	4.7 U	***8.8***	2.1 J
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	***44 J***
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	-	***8.5***
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	-	-	-	4.9 U
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	-	-	-	9.9 U
Chlorobenzene	ug/kg	10000	5.3 U	4.8 U	***940***	5.7 U	***7.9***	4.8 U	5 U	4.7 U	4.9 U	3.0 J
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	9.9 U
Chloroform (Trichloromethane)	ug/kg	3850	-	-	-	-	-	-	-	-	-	4.9 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	9.9 U
cis-1,2-Dichloroethene	ug/kg	7000	5.3 U	4.8 U	***280***	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	***7.8***
Dibromochloromethane	ug/kg	9930	-	-	-	-	-	-	-	-	-	4.9 U
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	-	4.9 U
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	***11***
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	3.1 J
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	5.3 U	4.8 U	***280***	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	-	4.9 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	4.9 U
Trichloroethene	ug/kg	500	5.3 U	4.8 U	***280***	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	4.9 U
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	9.9 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	4.9 U

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
E - Estimated values
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*EPA-02*	*EPA-03B*	*TPN2-12*	*TPN3-12*	*TPS4-12*	*TPS5-14*	*TPEW-1*	*TPNW-1*	*TPSW-1*	*TPWW-1*	*PT1*	*PT2*	*PT3*	*PT4*	*K-SED-1*	*K-SED-2*	*K-SED-3*	*K-SED-4*
Sample Name			*EPA-02*	*3B*	*TPN2-12*	*TPN3-12*	*TPS4-12*	*TPS5-14*	*TPEW-1*	*TPNW-1*	*TPSW-1*	*TPWW-1*	*PT1*	*PT2*	*PT3*	*PT4*	*SED-1*	*SED-2*	*SED-3*	*SED-4*
Sample Date			*7/8/1993*	*7/8/1993*	*7/14/1994*	*7/14/1994*	*7/14/1994*	*7/14/1994*	*7/15/1994*	*7/15/1994*	*7/15/1994*	*7/15/1994*	*7/20/1994*	*7/20/1994*	*7/20/1994*	*7/20/1994*	*11/9/1994*	*11/9/1994*	*11/9/1994*	*11/9/1994*
Depth			*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*12 ft bgs*	*12 ft bgs*	*12 ft bgs*	*14 ft bgs*	*7 ft bgs*	*7 ft bgs*	*7 ft bgs*	*7 ft bgs*	--	--	--	--	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	1298 U	2395 U	21643 U	16986 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	2596 U	4790 U	43285 U	33973 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	1298 U	2395 U	21643 U	16986 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	***1900***	***9200***	***58000***	***45000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	2100 U	6100 U	-	-	-	-	-	-	-	-	-	-	-	-	1400	***9700***	***60000***	***36000***
Aroclor-1254 (PCB-1254)	ug/kg	1550	10000 U	65000 U	-	-	-	-	-	-	-	-	-	-	-	-	***4000***	***1900 J***	***54000***	***30000***
Aroclor-1260 (PCB-1260)	ug/kg	1550	***11000***	***69000***	-	-	-	-	-	-	-	-	-	-	-	-	1298 U	2395 U	***63000***	***23000***
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	137 U	165 U	***3500***	***2500***	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	165 U	198 U	***6000***	***3500***	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	119 U	143 U	***7000***	***5200***	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	U	U	***6.2***	4	79.5 U	1.5 U	1.5 U	55 E	1.5 U	1.6 U	0.5 E	15.2 U	-	-	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-			***265***	***236***	257.9 U	5 U	4.9 U	780	4.8 U	5.3 U	1.3 E	49.3 U	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-			1.3	1.1	231.5 U	4.5 U	4.4 U	214.2 U	4.3 U	4.8 U	1.6 E	44.2 U	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-			***7.1***	***576***	99.2 U	0.6 E	0.5 E	390	0.8 E	0.7 E	4.1	5.6 E	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			K-SED-5	K-SED-6	K-SED-7	K-SED-8	B-1	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-4	B-5	B-5	B-6	B-7	B-7
Sample Name			SED-5	SED-6	SED-7	SED-8	B-1	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-4	B-5	B-5	B-6	B-7	B-7
Sample Date			11/9/1994	11/9/1994	11/9/1994	11/9/1994	3/16/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999	3/15/1999
Depth			0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	2.5 ft bgs	5 ft bgs	7.5 ft bgs	10 ft bgs	5 ft bgs	7.5 ft bgs	2.5 ft bgs	5 ft bgs	7.5 ft bgs	7.5 ft bgs	10 ft bgs	2.5 ft bgs	7.5 ft bgs	10 ft bgs
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	1057 U	5029 U	466 U	47 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	2115 U	10057 U	932 U	95 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	1057 U	5029 U	466 U	47 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	1057 U	5029 U	466 U	47 U	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	1057 U	5029 U	466 U	47 U	7200000	110	100	65	33 U	33 U	33 U	33 U	33 U	33 U	59	490	61	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	2800	11000	2000	98	3300000 U	66 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	1057 U	5029 U	466 U	47 U	33000000	350	510	220	33 U	33 U	99	48	33 U	33 U	210	450	280	39
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	3300 U	330 U	-	-	330 U	-	330 U	-	-	330 U	-	330 U	660	-
Naphthalene	ug/kg	100000	-	-	-	-	3300 U	330 U	-	-	330 U	-	330 U	-	-	330 U	-	330 U	880	-
Phenanthrene	ug/kg	110000	-	-	-	-	3300 U	330 U	-	-	330 U	-	330 U	-	-	330 U	-	330 U	650	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	16	5 U	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	2200000	10 U	-	-	10 U	-	10 U	-	-	10 U	-	21	10 U	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	5900000	10 U	-	-	10 U	-	10 U	-	-	10 U	-	83	10 U	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	69	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	28	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	58	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
Acetone	ug/kg	400000	-	-	-	-	100 U	100 U	-	-	100 U	-	100 U	-	-	100 U	-	100 U	100 U	-
Benzene	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	10 U	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
Carbon disulfide	ug/kg	400000	-	-	-	-	12	26	-	-	230	-	27	-	-	33	-	10 U	10 U	-
Chlorobenzene	ug/kg	10000	-	-	-	-	10 U	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
Chloroethane	ug/kg	1000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	10 U	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Ethylbenzene	ug/kg	70000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	6	7	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	10 U	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
Methylene chloride	ug/kg	500	-	-	-	-	10 U	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
o-Xylene	ug/kg	1000000	-	-	-	-	22	5 U	-	-	5 U	-	5 U	-	-	5 U	-	14	8	-
Tetrachloroethene	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Toluene	ug/kg	100000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Trichloroethene	ug/kg	500	-	-	-	-	5 U	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	5 U	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	10 U	10 U	-	-	10 U	-	10 U	-	-	10 U	-	10 U	10 U	-
Vinyl chloride	ug/kg	200	-	-	-	-	10 U	10 U	-	-	10 U	-	10 U	-	-	10 U	-	7	10 U	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	34	5 U	-	-	5 U	-	5 U	-	-	5 U	-	5 U	21	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			B-8	B-8	B-9	B-9	L-SED-9	L-SED-10	L-SED-11	L-SED-12	L-SED-13	L-SED-14	HA-1	HA-2	HA-3	HA-4	HA-5	HA-6	MW-4	MW-4
Sample Name			B-8	B-8	B-9	B-9	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	HA-1	HA-2	HA-3	HA-4	HA-5	HA-6	MW-4	MW-4
Sample Date			3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/16/1999	3/16/1999
Depth			5 ft bgs	7.5 ft bgs	7.5 ft bgs	10 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	1 ft bgs	1 ft bgs	1 ft bgs	1 ft bgs	1 ft bgs	1 ft bgs	5 ft bgs	7.5 ft bgs
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	1200	6600	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	170	33 U	33 U	33 U	33 U	1700	2400	33 U	33 U	33 U	33 U	330 U	330 U	500	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U	33 U	33 U	330 U	330 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	33 U	33 U	33 U	1100	120	33 U	33 U	33 U	3600	4900	33 U	33 U	33 U	33 U	2900	330 U	420	33 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	330 U	-	330 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330 U
Naphthalene	ug/kg	100000	330 U	-	330 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330 U
Phenanthrene	ug/kg	110000	330 U	-	330 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330 U
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,1,2-Trichloroethane	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,1-Dichloroethane	ug/kg	400000	5 U	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,1-Dichloroethene	ug/kg	700	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,2,3-Trichlorobenzene	ug/kg	25000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,2,4-Trichlorobenzene	ug/kg	10800	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,2-Dichlorobenzene	ug/kg	60000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,2-Dichloroethane	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
1,3-Dichlorobenzene	ug/kg	60000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,4-Dichlorobenzene	ug/kg	7500	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Acetone	ug/kg	400000	100 U	-	100 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100 U
Benzene	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Bromomethane (Methyl bromide)	ug/kg	1000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Carbon disulfide	ug/kg	400000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
Chlorobenzene	ug/kg	10000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Chloroethane	ug/kg	1000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Chloroform (Trichloromethane)	ug/kg	6500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Chloromethane (Methyl chloride)	ug/kg	300	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
cis-1,2-Dichloroethene	ug/kg	7000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Ethylbenzene	ug/kg	70000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Isopropyl benzene	ug/kg	21900	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Methylene chloride	ug/kg	500	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
o-Xylene	ug/kg	1000000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Tetrachloroethene	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Toluene	ug/kg	100000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
trans-1,2-Dichloroethene	ug/kg	10000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Trichloroethene	ug/kg	500	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Vinyl chloride	ug/kg	200	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Xylenes (total)	ug/kg	1000000	5 U	-	5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 U

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-5*	*MW-6*	*MW-7*	*MW-7*	*B-10*	*B-13*	*B-16/17/18*	*B-19*	*B-20*	*B-21*	*B-22*	*B-23*	*B-24*	*B-25*	*B-26*	*B-26*	*B-27*	*B-28*
Sample Name			*SS-110200-MR-01*	*SS-110300-MR-07*	*SS-110200-MR-03*	*SS-110200-MR-04*	*SS-110200-MR-02*	*SS-110300-MR-05*	*SS-110300-MR-06*	*SS-110600-MR-08*	*S-111400-SLW-01*	*S-111400-SLW-02*	*S-112000-SLW-03*	*S-112000-SLW-04*	*S-112000-SLW-05*	*S-112000-SLW-06*	*S-112000-SLW-11*	*S-112000-SLW-07*	*S-112000-SLW-08*	*S-112000-SLW-09*
Sample Date			*11/2/2000*	*11/3/2000*	*11/2/2000*	*11/3/2000*	*11/2/2000*	*11/3/2000*	*11/3/2000*	*11/6/2000*	*11/14/2000*	*11/14/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*	*11/20/2000*
Depth			*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*18.5 - 20.5 ft bgs*	*3.5 - 3.8 ft bgs*	*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*2 - 2.5 ft bgs*	*1.3 - 1.5 ft bgs*	*1.2 - 1.3 ft bgs*	*1.3 - 1.5 ft bgs*	*2.1 - 2.5 ft bgs*	*2.5 - 2.9 ft bgs*	*1.2 ft bgs*	*3.3 - 3.7 ft bgs*	*3.3 - 3.7 ft bgs*	*2 - 2.3 ft bgs*	*2.6 - 2.8 ft bgs*
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	39 U	38 U	39 U	41 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	39 U	38 U	39 U	41 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	39 U	38 U	39 U	41 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	40 U	43 U	36 U	***220***	35 U	40 U	34 U	40 U	39 U	48 U	38 U	43 U	39 U	38 U	39 U	38 U	39 U	41 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	40 U	43 U	36 U	42 U	***110***	40 U	***110***	40 U	39 U	48 U	38 U	43 U	39 U	38 U	33 J	38 U	39 U	41 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	40 U	43 U	36 U	42 U	35 U	40 U	34 U	40 U	***220***	48 U	38 U	43 U	11 J	38 U	30 J	38 U	39 U	41 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	40 U	43 U	36 U	42 U	***340***	40 U	***350***	40 U	***250***	48 U	38 U	43 U	16 J	38 U	***41***	38 U	39 U	41 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			B-29	SED-15	SED-16	SED-17	SED-18	B-33	B-33	B-33	B-33	B-34	B-34	B-35	B-35	B-35	B-35	B-36	B-36	B-36
Sample Name			S-112000-SLW-10	SED-111400-SLW-01	SED-111500-SLW-02	SED-111500-SLW-03	SED-111500-SLW-04	S-091001-SLW-018	S-091001-SLW-016	S-091001-SLW-010	S-091001-SLW-017	S-091001-SLW-019	S-091001-SLW-011	S-091001-SLW-012	S-091001-SLW-021	S-091001-SLW-022	S-091001-SLW-023	S-091001-SLW-013	S-091001-SLW-024	S-091001-SLW-025
Sample Date			11/20/2000	11/14/2000	11/15/2000	11/15/2000	11/15/2000	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001
Depth			2.4 - 3 ft bgs	0.1 - 0.3 ft bgs	1.2 - 1.4 ft bgs	1.7 - 1.9 ft bgs	2.3 - 2.6 ft bgs	0 - 0.8 ft bgs	1.3 - 2.1 ft bgs	2 ft bgs	2.1 - 2.7 ft bgs	1.6 - 2.3 ft bgs	2 ft bgs	1.7 ft bgs	1.7 - 2.5 ft bgs	1.7 - 2.5 ft bgs	2.5 - 3.3 ft bgs	1.8 ft bgs	1.5 - 2.3 ft bgs	2.3 - 3 ft bgs
Sample Type																Duplicate				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	41 U	2000 U	910 U	9000 U	4600 U	-	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	-	46000 U	9300 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	41 U	2000 U	910 U	9000 U	4600 U	-	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	-	46000 U	9300 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	41 U	2000 U	910 U	9000 U	4600 U	-	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	-	46000 U	9300 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	41 U	12000	12000	96000	39000	-	48 U	-	47 U	47 U	-	-	190000	150000	15000	-	950000	110000
Aroclor-1248 (PCB-1248)	ug/kg	1550	41 U	2000 U	910 U	9000 U	4600 U	-	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	-	46000 U	9300 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	41 U	2000 U	2600	21000	9000	-	48 U	-	70	47 U	-	-	26000	20000	2600	-	46000 U	9300 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	20 J	16000	910 U	9000 U	5300	-	48 U	-	47 U	47 U	-	-	10000 U	9800 U	960 U	-	46000 U	9300 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	7.9 U	-	-	12	5.9 U	-	-	-	7.7 U	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	7.9 U	-	-	8.9	5.9 U	-	-	-	7.7 U	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	7.9 U	-	-	23	5.9 U	-	-	-	7.7 U	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	7.9 U	-	-	6.8	5.9 U	-	-	-	7.7 U	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	7.9 U	-	-	27	5.9 U	-	-	-	7.7 U	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	18	-	-	-	26	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	7.9 U	-	-	7	5.9 U	-	-	-	7.7 U	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	6.5 U	-	-	7.4	4.9 U	-	-	-	6.4 U	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	22	5.9 U	-	-	-	17	-	-
Toluene	ug/kg	100000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	7.9 U	-	-	8.3	5.9 U	-	-	-	7.7 U	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	7.9 U	-	-	24	5.9 U	-	-	-	7.7 U	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	7.9 U	-	-	6.1 U	5.9 U	-	-	-	7.7 U	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			B-37	B-37	B-37	B-37	B-37	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9	S-101	S-104	S-105
Sample Name			S-091001-SLW-028	S-091001-SLW-014	S-091001-SLW-015	S-091001-SLW-026	S-091001-SLW-027	S-091001-SLW-001	S-091001-SLW-003	S-091001-SLW-002	S-091001-SLW-004	S-091001-SLW-005	S-091001-SLW-029	S-091001-SLW-007	S-091001-SLW-006	S-091001-SLW-008	S-091001-SLW-009	S-012003-SLW-101	S-012003-SLW-104	S-012003-SLW-105
Sample Date			9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	9/10/2001	1/20/2003	1/20/2003	1/20/2003
Depth			0.8 - 1.5 ft bgs	1.3 ft bgs	1.3 ft bgs	1.5 - 2.3 ft bgs	2.3 - 3 ft bgs	9.7 ft bgs	14.5 - 15.7 ft bgs	19.5 ft bgs	22.5 - 23.5 ft bgs	23.5 - 28 ft bgs	28 - 30 ft bgs	20 - 22 ft bgs	22 ft bgs	26 - 28 ft bgs	26 - 28 ft bgs	--	0 - 0.5 ft bgs	0 - 0.5 ft bgs
Sample Type					Duplicate															
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	-	-	-	940 U	470 U	-	42 U	-	44 U	-	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	-	-	-	940 U	470 U	-	42 U	-	44 U	-	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	-	-	-	940 U	470 U	-	42 U	-	44 U	-	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	-	-	-	2000	5100	-	42 U	-	200	-	46 U	60	-	42 U	-	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	-	-	-	940 U	470 U	-	42 U	-	44 U	-	46 U	45 U	-	42 U	-	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	-	-	-	940 U	1100	-	42 U	-	44 U	-	46 U	45 U	-	42 U	-	33 U	33 U	1600
Aroclor-1260 (PCB-1260)	ug/kg	1550	-	-	-	10000	590	-	42 U	-	53	-	46 U	45 U	-	42 U	-	1100	1700	4600
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,1,2-Trichloroethane	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,1-Dichloroethane	ug/kg	400000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,1-Dichloroethene	ug/kg	700	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.9	-	6.2 U	3 U	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	8.1	-	6.2 U	3 U	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,2-Dichloroethane	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Acetone	ug/kg	400000	-	46	35	-	-	6.5 U	-	57	-	-	-	-	5.6 U	-	6.2 U	59 U	-	-
Benzene	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 UJ	-	-
Carbon disulfide	ug/kg	400000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chlorobenzene	ug/kg	10000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chloroethane	ug/kg	1000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chloroform (Trichloromethane)	ug/kg	6500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3 U	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	5.5 U	7.7 U	-	-	5.4 U	-	8.3 U	-	-	-	-	4.6 U	-	5.1 U	3.8	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Ethylbenzene	ug/kg	70000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	850 J	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250 J	-	-
Methylene chloride	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	30 U	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100 J	-	-
Tetrachloroethene	ug/kg	500	-	110	82	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	14	-	-
Toluene	ug/kg	100000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	6.4	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Trichloroethene	ug/kg	500	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	1.4 J	-	-
Vinyl chloride	ug/kg	200	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	3 U	-	-
Xylenes (total)	ug/kg	1000000	-	6.7 U	9.2 U	-	-	6.5 U	-	10 U	-	-	-	-	5.6 U	-	6.2 U	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*S-106*	*00+00-N*	*00+00-CL*	*00+00-S*	*00+25-N*	*00+25-CL*	*00+25-S*	*00+50-N*	*00+50-CL*	*00+50-S*	*00+75-N*	*00+75-CL*	*00+75-S*	*01+00-N*	*01+00-CL*	*01+00-S*	*01+31-N*	*01+31-CL*
Sample Name			*S-012003-SLW-106*	*S-022503-SLW-253*	*S-022503-SLW-252*	*S-022503-SLW-254*	*S-022503-SLW-256*	*S-022503-SLW-255*	*S-022503-SLW-257*	*S-012403-SLW-202*	*S-012403-SLW-201*	*S-012403-SLW-203*	*S-020303-SLW-205*	*S-020303-SLW-204*	*S-020303-SLW-206*	*S-020403-SLW-208*	*S-020403-SLW-207*	*S-020403-SLW-209*	*S-020503-SLW-211*	*S-020503-SLW-210*
Sample Date			*1/20/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*1/24/2003*	*1/24/2003*	*1/24/2003*	*2/3/2003*	*2/3/2003*	*2/3/2003*	*2/4/2003*	*2/4/2003*	*2/4/2003*	*2/5/2003*	*2/5/2003*
Depth			*0 - 0.5 ft bgs*	*--*	*--*	*--*	*1.5 ft bgs*	*-0.2 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*-0.3 ft bgs*	*1.5 ft bgs*	*1.3 ft bgs*	*-0.3 ft bgs*	*1.3 ft bgs*	*1.3 ft bgs*	*-0.3 ft bgs*	*1.3 ft bgs*	*1.5 ft bgs*	*-0.3 ft bgs*
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 UJ	33 UJ
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	***13000***	***760***
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	***81***	***80***	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	***16000***	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	***18000 J***	***2500 J***
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
1,1,2-Trichloroethane	ug/kg	500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
1,1-Dichloroethane	ug/kg	400000	-	-	***5***	-	-	2.9 U	-	-	0.62 J	-	-	2.9 U	-	-	3 U	-	-	0.78 J
1,1-Dichloroethene	ug/kg	700	-	-	2.5 J	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	3 UJ	-	-	2.9 UJ	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 UJ
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 UJ	-	-	3 UJ	-	-	4.2 J
1,2-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
1,2-Dichloroethane	ug/kg	500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Acetone	ug/kg	400000	-	-	61 U	-	-	59 U	-	-	12 UJ	-	-	59 UJ	-	-	60 UJ	-	-	***9 J***
Benzene	ug/kg	500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Carbon disulfide	ug/kg	400000	-	-	1.5 J	-	-	2.9 U	-	-	2.9 UJ	-	-	2.9 U	-	-	3 U	-	-	2.9 UJ
Chlorobenzene	ug/kg	10000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Chloroethane	ug/kg	1000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Chloroform (Trichloromethane)	ug/kg	6500	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 UJ
cis-1,2-Dichloroethene	ug/kg	7000	-	-	***5.2***	-	-	2.9 U	-	-	1.2 J	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Ethylbenzene	ug/kg	70000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Isopropyl benzene	ug/kg	21900	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Methylene chloride	ug/kg	500	-	-	30 U	-	-	29 U	-	-	15 U	-	-	29 U	-	-	30 U	-	-	29 U
o-Xylene	ug/kg	1000000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Tetrachloroethene	ug/kg	500	-	-	***80***	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Toluene	ug/kg	100000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Trichloroethene	ug/kg	500	-	-	***32***	-	-	2.9 U	-	-	2.1 J	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	***33 J***	-	-	2.9 UJ	-	-	0.76 J	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Vinyl chloride	ug/kg	200	-	-	3 U	-	-	2.9 U	-	-	2.9 U	-	-	2.9 U	-	-	3 U	-	-	2.9 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			01+31-S	01+50-N	01+50-CL	01+50-S	01+75-N	01+75-CL	01+75-S	02+00-N	02+00-CL	02+00-S	02+25-N	02+25-S	02+25-CL	02+50-N	02+50-CL	02+50-S	02+75-N	02+75-CL
Sample Name			S-020503-SLW-212	S-021103-SLW-214	S-021103-SLW-213	S-021103-SLW-215	S-021203-SLW-217	S-021203-SLW-216	S-021203-SLW-218	S-021303-SLW-220	S-021303-SLW-219	S-021303-SLW-221	S-021403-SLW-223	S-021403-SLW-224	S-021403-SLW-222	S-021403-SLW-226	S-021403-SLW-225	S-021403-SLW-227	S-021703-SLW-229	S-021703-SLW-228
Sample Date			2/5/2003	2/11/2003	2/11/2003	2/11/2003	2/12/2003	2/12/2003	2/12/2003	2/13/2003	2/13/2003	2/13/2003	2/14/2003	2/14/2003	2/14/2003	2/15/2003	2/15/2003	2/15/2003	2/17/2003	2/17/2003
Depth			1.5 ft bgs	1.5 ft bgs	-0.3 ft bgs	1.5 ft bgs	1.5 ft bgs	-0.2 ft bgs	1.5 ft bgs	1.5 ft bgs	-0.3 ft bgs	1.5 ft bgs	1.5 ft bgs	0.8 ft bgs	-0.5 ft bgs	1.5 ft bgs	-0.5 ft bgs	0.8 ft bgs	1.5 ft bgs	-0.2 ft bgs
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 UJ	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 UJ	33 UJ	33 U	33 U	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	260	9500	29000	54000	19000	5600	510000	380000	28000	4100	37000	560	17000	3400	45000	1000000 J	5600 J	1700 J
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	580 J	6800	62000	21000	19000	1500	640000	45000	2000	190	14000	33 U	3800	530	1200	2300	330	160
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
1,1,2-Trichloroethane	ug/kg	500	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
1,1-Dichloroethane	ug/kg	400000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
1,1-Dichloroethene	ug/kg	700	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	52	-	-	3 U	-	-	2.6 U	-	-	-	2.9 UJ	-	2.9 UJ	-	-	4.9 UJ
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	320 J	-	-	8.7	-	-	2.6 U	-	-	-	2.9 UJ	-	2.9 UJ	-	-	4.9 UJ
1,2-Dichlorobenzene	ug/kg	60000	-	-	1.6 J	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
1,2-Dichloroethane	ug/kg	500	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	11	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	26	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Acetone	ug/kg	400000	-	-	58 UJ	-	-	60 UJ	-	-	12 J	-	-	-	37 J	-	31 J	-	-	29 J
Benzene	ug/kg	500	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	2.9 UJ	-	-	3 UJ	-	-	2.6 UJ	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Carbon disulfide	ug/kg	400000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	8.9	-	5	-	-	6.7
Chlorobenzene	ug/kg	10000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Chloroethane	ug/kg	1000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Chloroform (Trichloromethane)	ug/kg	6500	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
cis-1,2-Dichloroethene	ug/kg	7000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Ethylbenzene	ug/kg	70000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Isopropyl benzene	ug/kg	21900	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Methylene chloride	ug/kg	500	-	-	29 U	-	-	30 U	-	-	26 U	-	-	-	29 U	-	29 U	-	-	49 U
o-Xylene	ug/kg	1000000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Tetrachloroethene	ug/kg	500	-	-	2.9 U	-	-	3 U	-	-	3.8	-	-	-	6.9	-	2.9 U	-	-	4.9 U
Toluene	ug/kg	100000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Trichloroethene	ug/kg	500	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2 J	-	2.9 U	-	-	4.9 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	2.9 UJ	-	-	3 UJ	-	-	2.6 UJ	-	-	-	2.9 UJ	-	2.9 UJ	-	-	4.9 UJ
Vinyl chloride	ug/kg	200	-	-	2.9 U	-	-	3 U	-	-	2.6 U	-	-	-	2.9 U	-	2.9 U	-	-	4.9 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*02+75-CL*	*02+75-S*	*03+00-N*	*03+00-CL*	*03+00-S*	*03+25-N*	*03+25-CL*	*03+25-CL*	*03+25-S*	*03+50-N*	*03+50-CL*	*03+50-S*	*03+75-N*	*03+75-CL*	*03+75-S*	*04+00-N*	*04+00-CL*	*04+00-CL*
Sample Name			*S-021703-SLW-109*	*S-021703-SLW-230*	*S-021803-SLW-232*	*S-021803-SLW-231*	*S-021803-SLW-233*	*S-021803-SLW-235*	*S-021803-SLW-234*	*S-021803-SLW-111*	*S-021803-SLW-236*	*S-021803-SLW-238*	*S-021903-SLW-237*	*S-021903-SLW-239*	*S-021903-SLW-241*	*S-021903-SLW-240*	*S-021903-SLW-242*	*S-022003-SLW-244*	*S-022003-SLW-243*	*S-022003-SLW-112*
Sample Date			*2/17/2003*	*2/17/2003*	*2/18/2003*	*2/18/2003*	*2/18/2003*	*2/18/2003*	*2/18/2003*	*2/18/2003*	*2/18/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*
Depth			*-0.2 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*-0.3 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*-0.2 ft bgs*	*-0.2 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*-0.5 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*-0.2 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*-0.3 ft bgs*	*-0.3 ft bgs*
Sample Type			*Duplicate*							*Duplicate*										*Duplicate*
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U	33 U	33 U	-
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U	33 U	33 U	-
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U	33 U	33 U	-
Aroclor-1242 (PCB-1242)	ug/kg	1550	*2100 J*	*280 J*	*1200 J*	*330000 J*	*3000 J*	*600*	*560*	-	33 U	510 J	*13000 J*	33 UJ	*240 J*	510 J	*8300000 J*	*1600*	*6700*	-
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U	33 U	33 U	-
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	-	33 U	33 U	330 U	33 U	33 U	33 U	67000 U	33 U	33 U	-
Aroclor-1260 (PCB-1260)	ug/kg	1550	*220*	*100*	*4400*	*10000*	*130*	*430*	*100*	-	33 U	*870*	*1200*	*240*	*97*	33 U	*570000*	1300	*2200*	-
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
1,1,2-Trichloroethane	ug/kg	500	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 UJ	3.2 UJ
1,1-Dichloroethane	ug/kg	400000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
1,1-Dichloroethene	ug/kg	700	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	*22 J*	-	-	3 UJ	2.8 UJ	-	-	3 U	-	-	2.9 U	-	-	3.5 UJ	3.2 UJ
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	110 J	-	-	3 UJ	2.8 UJ	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
1,2-Dichloroethane	ug/kg	500	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	*5.8*	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Acetone	ug/kg	400000	-	-	-	59 U	-	-	*6.2 J*	56 U	-	-	*340 J*	-	-	*56 J*	-	-	70 UJ	64 UJ
Benzene	ug/kg	500	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 UJ	-	-	2.9 UJ	-	-	3.5 U	3.2 U
Carbon disulfide	ug/kg	400000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Chlorobenzene	ug/kg	10000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Chloroethane	ug/kg	1000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 UJ	-	-	2.9 UJ	-	-	3.5 U	3.2 U
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Ethylbenzene	ug/kg	70000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Isopropyl benzene	ug/kg	21900	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	*18*	*13*
Methylene chloride	ug/kg	500	-	-	-	29 U	-	-	30 U	28 U	-	-	30 U	-	-	29 U	-	-	35 U	32 U
o-Xylene	ug/kg	1000000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Tetrachloroethene	ug/kg	500	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Toluene	ug/kg	100000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	1.3 J	3.2 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	3.5 U	3.2 U
Trichloroethene	ug/kg	500	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 U	-	-	2.9 U	-	-	2.5 J	2.3 J
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	2.9 UJ	-	-	3 UJ	2.8 UJ	-	-	3 UJ	-	-	2.9 UJ	-	-	3.5 UJ	3.2 UJ
Vinyl chloride	ug/kg	200	-	-	-	2.9 U	-	-	3 U	2.8 U	-	-	3 UJ	-	-	2.9 UJ	-	-	3.5 U	3.2 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*04+00-S*	*04+00-S*	*04+25-N*	*04+25-CL*	*04+25-S*	*04+50-N*	*04+50-CL*	*04+50-S*	*B-38*	*B-38*	*B-38*	*B-39*	*B-40*	*B-40*	*B-41*	*B-41*	*B-42*	*B-42*
Sample Name			*S-022003-SLW-245*	*S-022003-SLW-113*	*S-022003-SLW-247*	*S-022003-SLW-246*	*S-022003-SLW-248*	*S-022003-SLW-250*	*S-022003-SLW-249*	*S-022003-SLW-251*	*S-060603-DB-34*	*S-060603-DB-35*	*S-060603-DB-36*	*S-060603-DB-2*	*S-060603-DB-16*	*S-060603-DB-17*	*S-060603-DB-13*	*S-060603-DB-14*	*S-060603-DB-4*	*S-060603-DB-5*
Sample Date			*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*
Depth			*0.5 ft bgs*	*0.5 ft bgs*	*1.5 ft bgs*	*-0.3 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*-0.3 ft bgs*	*1.5 ft bgs*	*3 - 4 ft bgs*	*6 - 7 ft bgs*	*10 - 11 ft bgs*	*3 - 4 ft bgs*	*6 ft bgs*	*10 ft bgs*	*6 ft bgs*	*10 ft bgs*	*7 ft bgs*	*9 - 10 ft bgs*
Sample Type				*Duplicate*																
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***3300***	***1600***	***390***	***15000***	***1400***	33 U	33 U	33 U	33 U	33 U	***5000***	***4300000 J***	***92***	***58***	***170***	33 U	***13000000 J***	***220***
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	33 U	33 U	33000 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	***5100***	***3600000 J***	33 U	33 U	33 U	***140***	33000 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	390	***400***	***630***	***2000***	***3600***	33 U	33 U	33 U	33 U	33 U	***6100***	***1100000 J***	24 J	33 U	***2400***	***190***	***3900000 J***	***54***
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	2.8 UJ	-	-	2.9 UJ	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	2.8 UJ	-	-	2.9 UJ	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	56 UJ	-	-	58 UJ	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/kg	400000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	28 U	-	-	29 U	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	***4.3***	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	2.8 UJ	-	-	2.9 UJ	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	2.8 U	-	-	2.9 U	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			B-43	B-43	B-44	B-44	B-45	B-46	B-46	B-46	B-47	B-47	B-47	B-48	B-48	B-49	B-49	B-49	B-50	B-50
Sample Name			S-060603-DB-19	S-060603-DB-20	S-060603-DB-22	S-060603-DB-23	S-060603-DB-30	S-060603-DB-31	S-060603-DB-32	S-060603-DB-33	S-060603-DB-27	S-060603-DB-28	S-060603-DB-29	S-060603-DB-7	S-060603-DB-8	S-060603-DB-24	S-060603-DB-25	S-060603-DB-26	S-060603-DB-9	S-060603-DB-10
Sample Date			6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003
Depth			7.5 - 8 ft bgs	10 ft bgs	6 ft bgs	10 ft bgs	3 - 4 ft bgs	3 - 4 ft bgs	6 ft bgs	11 ft bgs	3 - 4 ft bgs	7 ft bgs	11 ft bgs	5 - 6 ft bgs	10 - 11 ft bgs	3 - 4 ft bgs	4 - 8 ft bgs	10 ft bgs	3 - 4 ft bgs	6 - 7 ft bgs
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	330 U	33 U	330 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	330 U	33 U	330 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	330 U	33 U	330 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	110000	7200	260	33 U	33 U	75	33 U	33 U	33 U	33 U	1500	6600000 J	1100	140	990000 J	220	1300000	530
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	4300	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	330 U	33 U	330 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33 U	330 U	33 U	330 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	2400	19000	50	33 U	1500	25 J	33 U	33 U	33 U	33 U	33 U	460000 J	99	33 U	180000 J	33 U	330 U	91
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*B-50*	*B-51*	*MW-10*	*MW-10*	*MW-10*	*'rench Wall (removed*	*B-51*	*B-52*	*B-52*	*B-52*	*B-53*	*B-54*	*B-55*	*B-56*	*RW-1*	*MW-11*	*MW-11*	*MW-11*
Sample Name			*S-060603-DB-11*	*S-091803-SLW-01*	*S-080503DJB-001*	*S-080503DJB-002*	*S-080503DJB-003*	*C-091803-MR-02*	*S-091803-SLW-02*	*S-091803-SLW-03*	*S-091803-SLW-04*	*S-091803-SLW-05*	*S-092003-MR-04*	*S-092003-MR-05*	*S-092003-MR-06*	*S-092003-MR-07*	*S-092003-MR-03*	*S-102303-SLW-3*	*S-102303-SLW-1*	*S-102303-SLW-2*
Sample Date			*6/6/2003*	*9/18/2003*	*8/5/2003*	*8/5/2003*	*8/5/2003*	*9/18/2003*	*9/18/2003*	*9/18/2003*	*9/18/2003*	*9/18/2003*	*9/20/2003*	*9/20/2003*	*9/20/2003*	*9/20/2003*	*9/20/2003*	*10/23/2003*	*10/23/2003*	*10/23/2003*
Depth			*10 - 11 ft bgs*	*1.3 ft bgs*	*5.5 - 7.5 ft bgs*	*9 - 11 ft bgs*	*14 - 16 ft bgs*	*4 ft bgs*	*3.3 ft bgs*	*1.3 ft bgs*	*2.8 ft bgs*	*4.3 ft bgs*	*3 - 4 ft bgs*	*7 - 7.5 ft bgs*	*3 - 4 ft bgs*	*3 - 4 ft bgs*	*11.5 - 12 ft bgs*	*6.5 - 7.5 ft bgs*	*15.5 - 17.5 ft bgs*	*20.5 - 22.5 ft bgs*
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U	33 U	33 U	33 U	17 U	17 U	17 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U	33 U	33 U	33 U	17 U	17 U	17 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	***2200***	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U	33 U	33 U	33 U	17 U	17 U	17 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	33 U	33 U	33 U	33 U	***520***	***1300000***	33 U	33 U	***7100000***	33 UJ	***730000***	***130000***	***970000***	***520000***	***380000***	17 U	17 U	17 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U	33 U	33 U	33 U	17 U	17 U	17 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	***82***	33 U	33 U	33 U	33 U	33 U	33 U	6700 U	33 UJ	33 U	33 U	33 U	33 U	33 U	17 U	17 U	17 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	33 U	***84***	33 U	33 U	***36***	***18000***	33 U	33 U	***82000***	33 UJ	***13000***	***8800***	***140000***	***83000***	***34000***	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,1,2-Trichloroethane	ug/kg	500	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,1-Dichloroethane	ug/kg	400000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,1-Dichloroethene	ug/kg	700	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,2-Dichloroethane	ug/kg	500	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Acetone	ug/kg	400000	-	-	-	19 U	19 U	-	-	-	-	-	-	-	-	-	-	-	11 U	12 U
Benzene	ug/kg	500	-	-	-	3.2 J	***5.4***	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Carbon disulfide	ug/kg	400000	-	-	-	9.3 U	9.5 U	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.8 U
Chlorobenzene	ug/kg	10000	-	-	-	4.7 U	***14***	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Chloroethane	ug/kg	1000	-	-	-	9.3 U	9.5 U	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.8 U
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	9.3 U	9.5 U	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.8 U
cis-1,2-Dichloroethene	ug/kg	7000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Cyclohexane	ug/kg	20000	-	-	-	4.7 U	***23***	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Dibromochloromethane	ug/kg	10000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Ethylbenzene	ug/kg	70000	-	-	-	4.7 U	***110***	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Isopropyl benzene	ug/kg	21900	-	-	-	4.7 U	***65***	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Methylene chloride	ug/kg	500	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
o-Xylene	ug/kg	1000000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Tetrachloroethene	ug/kg	500	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Toluene	ug/kg	100000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Trichloroethene	ug/kg	500	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U
Vinyl chloride	ug/kg	200	-	-	-	9.3 U	9.5 U	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.8 U
Xylenes (total)	ug/kg	1000000	-	-	-	4.7 U	4.7 U	-	-	-	-	-	-	-	-	-	-	-	2.8 U	2.9 U

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*BH-1*	*BH-1*	*BH-5*	*BH-2*	*BH-2*	*BH-3*	*BH-3*	*BH-4*	*BH-4*	*BH-5*	*BH-6*	*BH-6*	*BH-7*	*BH-7*	*BH-7*	*BH-8*	*BH-8*	*BH-9*
Sample Name			*S-012407-CRM-124*	*S-012407-CRM-125*	*S-012407-CRM-119*	*S-012407-CRM-126*	*S-012407-CRM-127*	*S-012407-CRM-128*	*S-012407-CRM-129*	*S-012407-CRM-120*	*S-012407-CRM-121*	*S-012407-CRM-118*	*S-012407-CRM-116*	*S-012407-CRM-117*	*S-012407-CRM-113*	*S-012407-CRM-114*	*S-012407-CRM-115*	*S-012407-CRM-111*	*S-012407-CRM-112*	*S-012407-CRM-109*
Sample Date			*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*
Depth			*2 ft bgs*	*5 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*
Sample Type																	*Duplicate*			
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	42 U	43 U	40 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	41 U	42 U	41 U	43 U	43 U	39 U	36 U	39 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	42 U	43 U	40 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	41 U	42 U	41 U	43 U	43 U	39 U	36 U	39 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	42 U	43 U	40 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	41 U	42 U	41 U	43 U	43 U	39 U	36 U	39 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	42 U	43 U	40 U	41 U	42 U	40 U	***2700***	38 U	42 U	39 U	41 U	42 U	41 U	43 U	43 U	39 U	36 U	39 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	42 U	43 U	40 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	41 U	42 U	41 U	43 U	43 U	39 U	36 U	39 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	42 U	43 U	40 U	41 U	42 U	40 U	43 U	38 U	42 U	39 U	41 U	42 U	41 U	43 U	43 U	39 U	36 U	39 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	42 U	43 U	40 U	41 U	42 U	40 U	***390***	38 U	42 U	39 U	41 U	42 U	41 U	43 U	43 U	***2700***	36 U	39 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,1,2-Trichloroethane	ug/kg	500	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,1-Dichloroethane	ug/kg	400000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,1-Dichloroethene	ug/kg	700	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,2-Dichlorobenzene	ug/kg	60000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,2-Dichloroethane	ug/kg	500	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,3-Dichlorobenzene	ug/kg	60000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
1,4-Dichlorobenzene	ug/kg	7500	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Acetone	ug/kg	400000	71 U	-	-	-	76 U	-	72 U	-	79 U	-	-	-	-	-	-	72 U	-	71 U
Benzene	ug/kg	500	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Bromomethane (Methyl bromide)	ug/kg	1000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Carbon disulfide	ug/kg	400000	7.1 U	-	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-	-	-	7.2 U	-	7.1 U
Chlorobenzene	ug/kg	10000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Chloroethane	ug/kg	1000	7.1 U	-	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-	-	-	7.2 U	-	7.1 U
Chloroform (Trichloromethane)	ug/kg	6500	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Chloromethane (Methyl chloride)	ug/kg	300	7.1 U	-	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-	-	-	7.2 U	-	7.1 U
cis-1,2-Dichloroethene	ug/kg	7000	3.6 U	-	-	-	3.8 U	-	***3.8***	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Cyclohexane	ug/kg	20000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Dibromochloromethane	ug/kg	10000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Ethylbenzene	ug/kg	70000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Isopropyl benzene	ug/kg	21900	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Methylene chloride	ug/kg	500	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
o-Xylene	ug/kg	1000000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Tetrachloroethene	ug/kg	500	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Toluene	ug/kg	100000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
trans-1,2-Dichloroethene	ug/kg	10000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Trichloroethene	ug/kg	500	3.6 U	-	-	-	3.8 U	-	***3.8***	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	3.6 U	-	-	-	3.8 U	-	3.6 U	-	4.0 U	-	-	-	-	-	-	3.6 U	-	3.6 U
Vinyl chloride	ug/kg	200	7.1 U	-	-	-	7.6 U	-	7.2 U	-	7.9 U	-	-	-	-	-	-	7.2 U	-	7.1 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*BH-9*	*BH-10*	*BH-10*	*BH-11*	*BH-11*	*BH-12*	*BH-12*	*BH-13*	*BH-13*	*BH-14*	*BH-14*
Sample Name			*S-012407-CRM-110*	*S-012407-CRM-107*	*S-012407-CRM-108*	*S-012407-CRM-103*	*S-012407-CRM-104*	*S-012407-CRM-101*	*S-012407-CRM-102*	*S-012407-CRM-105*	*S-012407-CRM-106*	*S-012407-CRM-122*	*S-012407-CRM-123*
Sample Date			*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*	*1/24/2007*
Depth			*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*	*2 ft bgs*	*5 ft bgs*
Sample Type													
	Units	Type 4 RRS											
Polychlorinated Biphenyl													
Aroclor-1016 (PCB-1016)	ug/kg	1550	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	43 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	39 U	***170***
Aroclor-1260 (PCB-1260)	ug/kg	1550	41 U	39 U	41 U	41 U	36 U	42 U	39 U	41 U	38 U	***110***	***120***
Polycyclic Aromatic Hydrocarbons (PAH)													
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds													
1,1,1-Trichloroethane	ug/kg	20000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,1,2-Trichloroethane	ug/kg	500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,1-Dichloroethane	ug/kg	400000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,1-Dichloroethene	ug/kg	700	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,2-Dichlorobenzene	ug/kg	60000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,2-Dichloroethane	ug/kg	500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,3-Dichlorobenzene	ug/kg	60000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
1,4-Dichlorobenzene	ug/kg	7500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Acetone	ug/kg	400000	81 U	-	-	-	-	-	-	-	64 U	70 U	80 U
Benzene	ug/kg	500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Bromomethane (Methyl bromide)	ug/kg	1000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Carbon disulfide	ug/kg	400000	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
Chlorobenzene	ug/kg	10000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Chloroethane	ug/kg	1000	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
Chloroform (Trichloromethane)	ug/kg	6500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Chloromethane (Methyl chloride)	ug/kg	300	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
cis-1,2-Dichloroethene	ug/kg	7000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Cyclohexane	ug/kg	20000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Dibromochloromethane	ug/kg	10000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Ethylbenzene	ug/kg	70000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Isopropyl benzene	ug/kg	21900	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Methylene chloride	ug/kg	500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
o-Xylene	ug/kg	1000000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Tetrachloroethene	ug/kg	500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Toluene	ug/kg	100000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
trans-1,2-Dichloroethene	ug/kg	10000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Trichloroethene	ug/kg	500	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	4.0 U	-	-	-	-	-	-	-	3.2 U	3.5 U	4.0 U
Vinyl chloride	ug/kg	200	8.1 U	-	-	-	-	-	-	-	6.4 U	7.0 U	8.0 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-

Notes:
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits shown in blue
Detection above Type 4 RRS are shown in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*SB5-East sidewall*	*SB6-South sidewall*	*SB7-West sidewall*	*SB9-North sidewall*	*SB10-East sidewall*	*SB8-Center-vertical*	*SB1-East sidewall*	*SB2-North sidewall*	*SB4-West sidewall*	*SB3-Center-vertical*	*S8-South sidewall*	*S1-East sidewall*	*S2-South sidewall*	*S3-North sidewall*	*S5-North sidewall*	*S6-South sidewall*	*S7-East sidewall*	*S4-Base*
Sample Name			*SB5 1-2 (E sidewall)*	*SB6 1-2 (S sidewall)*	*SB7 1-2 (W sidewall)*	*SB9 2-3 (N sidewall)*	*SB10 2-3 (E sidewall)*	*SB 3-4 (Center-vertica*	*SB1 4-5 (E sidewall)*	*SB2 4-5 (N sidewall)*	*SB4 4-5 (W sidewall)*	*6.5-7.5 (Center-verti*	*S8 4-5 (S sidewall)*	*S1 2-3 (E sidewall)*	*S2 2-3 (S sidewall)*	*S3 2-3 (N sidewall)*	*S5 2 (N sidewall)*	*S6 2 (S sidewall)*	*S7 2 (E sidewall)*	*S4 6.5 (Base)*
Sample Date			*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*10/18/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*	*11/7/2007*
Depth			*1 - 2 ft BGS*	*1 - 2 ft BGS*	*1 - 2 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*3 - 4 ft BGS*	*4 - 5 ft BGS*	*4 - 5 ft BGS*	*4 - 5 ft BGS*	*6.5 - 7.5 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*2 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*6.5 ft BGS*
Sample Type																				
	Units	Type 4 RRS																		
Polychlorinated Biphenyl																				
Aroclor-1016 (PCB-1016)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	-	42 U	40 U	39 U	43 U	42 U	42 U	42 U	41 U	41 U	18000 U	73000 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	41 U	41 U	18000 U	73000 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	41 U	41 U	18000 U	73000 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	45 U	46 U	36 U	***2300***	***2600***	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	***410***	41 U	18000 U	73000 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	45 U	46 U	36 U	39 U	36 U	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	42 U	***420***	41 U	18000 U	73000 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	45 U	46 U	36 U	39 U	***360***	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	***250***	***840***	***680***	***65000***	***460000***
Aroclor-1260 (PCB-1260)	ug/kg	1550	45 U	46 U	36 U	***1900***	***5300***	43 U	43 U	42 U	40 U	39 U	43 U	42 U	42 U	***240***	***1300***	***440***	***110000***	***730000***
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/kg	360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	***31***	5.3 U	***11***	***380000***
1,2-Dichlorobenzene	ug/kg	60000	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U	5.3 U	4.8 U	***2800***
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U	5.3 U	4.8 U	***1500***
1,4-Dichlorobenzene	ug/kg	7500	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	***18***	5.8 U	5.5 U	5.3 U	4.8 U	***25000***
Acetone	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/kg	10000	4.7 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U	5.3 U	4.8 U	***940***
Chloroethane	ug/kg	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/kg	7000	***13***	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U	5.3 U	4.8 U	***280***
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/kg	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	***89***	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U	5.3 U	4.8 U	***280***
Toluene	ug/kg	100000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/kg	500	7.8 U	4.7 U	2.8 U	4.4 U	3.4 U	3.8 U	3.9 U	3.6 U	4.2 U	4.2 U	5.1 U	5.7 U	5.5 U	5.8 U	5.5 U	5.3 U	4.8 U	***280***
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes
ug/kg - micrograms per kilograms
ft bgs - feet below ground surface
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS in red and highlighted

TABLE 3.3B

HISTORICAL REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*S10-East sidewall*	*DP2-South sidewall*	*DP3-West sidewall*	*DP4-East sidewall*	*DP5-North sidewall*	*DP1-Base*	*MW-13*
Sample Name			*S10 (E sidewall)*	*DP 2 7-8 (S sidewall)*	*DP 3 (W sidewall)*	*DP 4 (E sidewall)*	*DP 5 (N sidewall)*	*DP 1 7-8 (Base)*	*S-072210-TBM-001*
Sample Date			*11/12/2007*	*11/12/2007*	*11/12/2007*	*11/12/2007*	*11/12/2007*	*11/12/2007*	*7/22/2010*
Depth			*2 - 3 ft BGS*	*7 - 8 ft BGS*	*7 - 8 ft BGS*	*7 - 8 ft BGS*	*7 - 8 ft BGS*	*11 ft BGS*	*15 - 17 ft bgs*
Sample Type									
	Units	Type 4 RRS							
Polychlorinated Biphenyl									
Aroclor-1016 (PCB-1016)	ug/kg	1550	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	42 U	39 U	***180000***	***250***	***130***	***14000***	44 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	42 U	39 U	35000 U	37 U	37 U	720 U	44 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	42 U	39 U	***68000***	***310***	37 U	***8100***	44 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	42 U	39 U	***84000***	***620***	37 U	***12000***	44 U
Polycyclic Aromatic Hydrocarbons (PAH)									
Fluorene	ug/kg	360000	-	-	-	-	-	-	-
Naphthalene	ug/kg	100000	-	-	-	-	-	-	-
Phenanthrene	ug/kg	110000	-	-	-	-	-	-	-
Volatile Organic Compounds									
1,1,1-Trichloroethane	ug/kg	20000	-	-	-	-	-	-	4.9 U
1,1,2-Trichloroethane	ug/kg	500	-	-	-	-	-	-	4.9 U
1,1-Dichloroethane	ug/kg	400000	-	-	-	-	-	-	4.9 U
1,1-Dichloroethene	ug/kg	700	-	-	-	-	-	-	4.9 U
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	5.7 U	***7.8***	***9700***	***13***	4.7	***140***	4.9 U
1,2-Dichlorobenzene	ug/kg	60000	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
1,2-Dichloroethane	ug/kg	500	-	-	-	-	-	-	4.9 U
1,3-Dichlorobenzene	ug/kg	60000	5.7 U	***9.8***	***9.8***	5 U	4.7 U	4.9	4.9 U
1,4-Dichlorobenzene	ug/kg	7500	5.7 U	***120***	***45***	***10***	4.7 U	***8.8***	2.1 J
Acetone	ug/kg	400000	-	-	-	-	-	-	***44 J***
Benzene	ug/kg	500	-	-	-	-	-	-	***8.5***
Bromomethane (Methyl bromide)	ug/kg	1000	-	-	-	-	-	-	4.9 U
Carbon disulfide	ug/kg	400000	-	-	-	-	-	-	9.9 U
Chlorobenzene	ug/kg	10000	5.7 U	***7.9***	4.8 U	5 U	4.7 U	4.9 U	3.0 J
Chloroethane	ug/kg	1000	-	-	-	-	-	-	9.9 U
Chloroform (Trichloromethane)	ug/kg	6500	-	-	-	-	-	-	4.9 U
Chloromethane (Methyl chloride)	ug/kg	300	-	-	-	-	-	-	9.9 U
cis-1,2-Dichloroethene	ug/kg	7000	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
Cyclohexane	ug/kg	20000	-	-	-	-	-	-	***7.8***
Dibromochloromethane	ug/kg	10000	-	-	-	-	-	-	4.9 U
Ethylbenzene	ug/kg	70000	-	-	-	-	-	-	4.9 U
Isopropyl benzene	ug/kg	21900	-	-	-	-	-	-	***11***
Methylene chloride	ug/kg	500	-	-	-	-	-	-	3.1 J
o-Xylene	ug/kg	1000000	-	-	-	-	-	-	-
Tetrachloroethene	ug/kg	500	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
Toluene	ug/kg	100000	-	-	-	-	-	-	4.9 U
trans-1,2-Dichloroethene	ug/kg	10000	-	-	-	-	-	-	4.9 U
Trichloroethene	ug/kg	500	5.7 U	5.4 U	4.8 U	5 U	4.7 U	4.9 U	4.9 U
Trichlorofluoromethane (CFC-11)	ug/kg	200000	-	-	-	-	-	-	4.9 U
Vinyl chloride	ug/kg	200	-	-	-	-	-	-	9.9 U
Xylenes (total)	ug/kg	1000000	-	-	-	-	-	-	4.9 U

Notes

ug/kg - micrograms per kilograms

ft bgs - feet below ground surface

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

Detection below Type 4 RRS but above reporting limits are shown in blue

Detection above Type 4 RRS in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*
Sample Name			*MW1-1*	*MW-2*	*GW-111300-MR-05*	*GW-111300-MR-06*	*W-082603-SLW-05*	*GW-121103-TL-003*	*MW-1*	*WG-070804-SAG-005*	*GW-060805-SAG-04*	*GW-020807-SAG-305*	*GW-020807-SAG-306*	*MW-1*	*MW-1*	*MW-1*
Sample Date			*11/11/1994*	*3/17/1999*	*11/13/2000*	*11/13/2000*	*8/26/2003*	*12/11/2003*	*7/7/2004*	*7/8/2004*	*6/8/2005*	*2/8/2007*	*2/8/2007*	*3/6/2008*	*9/10/2008*	*2/19/2009*
Sample Type						*Duplicate*							*Duplicate*			
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	-	0.50 U	0.50 U	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	2 U	1 U	1 U	1 U	0.5 U	-	-	-	-	0.50 U	0.50 U	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	-	0.50 U	0.50 U	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	-	0.50 U	0.50 U	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	-	0.50 U	0.50 U	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	-	0.50 U	0.50 U	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	-	0.50 U	0.50 U	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	-	2 U	5 U	4.2 J	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	5	-	2 U	5 U	5 U	5 U	2 U	-	3 U	1 U	5.0 U	5.0 U	-	-	-
1,1-Dichloroethane	ug/L	4000	-	*7*	*27 J*	*27 J*	*9.5*	*63*	*9.3*	*9.3*	1 U	5.0 U	5.0 U	5.0 U	*10*	5.0 U
1,1-Dichloroethene	ug/L	7	-	*5*	*17*	*17*	3 J	*18*	1.8	1.8 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	10 U	5 U	5 U	5 U	2 U	3.0 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3.0 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	-	2 U	5 U	5 U	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3.0 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	-	10 U	5 U	5 U	5 U	2 U	3.0 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	4000	-	100 U	20 U	20 U	20 U	10 U	15 U	15 U	25 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	-	2 U	1.9 J	1.8 J	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	-	10 U	10 U	10 U	5 U	2 U	-	3 U	2 U	5.0 U	5.0 U	-	-	-
Carbon disulfide	ug/L	4000	-	10 U	5 U	5 U	5 U	2 U	3.0 U	3 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	100	-	10 U	5 U	5 U	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	10	-	5 U	10 U	10 U	10 U	1 J	3.0 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	-	2 U	5 U	5 U	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	-	10 U	10 U	10 U	10 U	2 U	3.0 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	-	*4*	*22*	*22*	*16*	*44*	*24*	*24*	1 U	5.0 U	5.0 U	5.0 U	*19*	5.0 U
Cyclohexane	ug/L	5	-	-	-	-	5 U	2 U	3.0 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	-	10 U	*80*	5 U	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	-	2 U	5 U	5 U	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	5	-	10 U	-	-	5 U	2 U	3.0 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5	-	5 U	5 U	5 U	5 U	2 U	3.0 U	3 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5 U	-	-	5 U	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	-	*28*	*84*	*89*	*25*	2 U	*57*	*57*	1 U	5.0 U	5.0 U	5.0 U	*77*	5.0 U
Toluene	ug/L	1000	-	2 U	5 U	5 U	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	100	-	2 U	5 U	5 U	5 U	2 U	3.0 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5	-	*21*	*84*	*84*	*21*	*2.1*	*28*	*28*	1 U	5.0 U	5.0 U	5.0 U	*25*	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	2 U	-	3 U	-	10 U	10 U	-	-	-
Vinyl chloride	ug/L	2	-	10 U	10 U	10 U	2 U	0.46 J	3.0 U	3 U	1 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	-	5 U	5 U	5 U	5 U	6 U	9.0 U	9 U	3 U	-	15 U	-	-	-

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample Name			MW-1	MW-1	GW-081310-DJB-105	GW-022111-CRM-006	GW-082311-DJB-105	MW2-1	MW-2	MW-1	MW-2	GW-111400-MR-08	W-082603-SLW-01	GW-121103-TL-002	WG-070704-SAG-002	GW-060805-CM-103
Sample Date			9/29/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	11/9/1994	3/15/1999	3/16/1999	11/13/2000	11/14/2000	8/26/2003	12/11/2003	7/7/2004	6/8/2005
Sample Type																
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	-	-	-	-	1 U	2.1	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	0.49 J
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	-	-	1 U	1.0 U	1 U	2	1 U	0.5 U	0.48 U	0.47 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	-	1	1.0 U	1 U	1.0 U	1 U	2	0.48 U	0.27 J	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	-	0.69 J	1.0 U	14	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	16	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	17	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	0.51 J
1,1,2-Trichloroethane	ug/L	5	-	-	5.0 U	5.0 U	5.0 U	-	-	2 U	-	5 U	5 U	2 U	2.5 U	1 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	2.3 J	5.0 U	5.0 U	-	22	40	31 J	23 J	160	49	49	97.8
1,1-Dichloroethene	ug/L	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5	11	7.5	1.8 J	7	6.3	5.3	8.9
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	7.5	5 U	4.6 J	3.8	2.8	-
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	5.0 U	5 U	9.4	6.5	6.9	-
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	5.0 U	2.7 J	12	9.4	8.6	-
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	39	5.0 U	10	51	41	36	-
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	-	0.1 U	100 U	20 U	20 U	20 U	10 U	12 U	25 U
Benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	0.5 J	2.5 U	0.79 J
Bromomethane (Methyl bromide)	ug/L	10	-	-	5.0 U	5.0 U	5.0 U	-	-	10 U	-	10 U	5 U	2 U	2.5 U	2 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	15	5.0 U	5 U	5 U	2 U	2.5 U	2 U
Chlorobenzene	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	5.0 U	2.3 J	19	11	9.6	14.8
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	-	5.0 U	5 U	10 U	10 U	17	11	2.5 U	5.3
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	2 U	2.5 U	2 U
cis-1,2-Dichloroethene	ug/L	70	5.0 U	5.0 U	4.8 J	5.0 U	6.2	-	14	17	24	2.7 J	45	34	57	92.6
Cyclohexane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5 U	3.4	2.5	-
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	100	5 U	5 U	2 U	2.5 U	1 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	6	5.0 U	5 U	1.2 J	0.52 J	2.5 U	1.4
Isopropyl benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	-	-	3.4 J	2.2	1.6 J	-
Methylene chloride	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	2 U	2.5 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	30	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	-	-	-	-	-	5 U	-	-	5 U	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	20	5.0 U	12	-	69	23	110	17	19	27	15	14.2
Toluene	ug/L	1000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U
trans-1,2-Dichloroethene	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	0.69 J
Trichloroethene	ug/L	5	5.0 U	5.0 U	8.8	5.0 U	6.5	-	18	26	31	5.9	28	31	29	24.9
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	10 U	10 U	10 U	-	-	-	-	-	10 U	2 U	2.5 U	-
Vinyl chloride	ug/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	10 U	10 U	10 U	10 U	2 U	2 U	2.5 U	0.66 J
Xylenes (total)	ug/L	10000	-	-	5.0 U	5.0 U	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	6 U	7.5 U	3 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample Name			GW-060805-CM-104	GW-020707-SAG-301	GW-072507-SYJ-003	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	GW-081310-MLR-206	GW-081310-MLR-207	GW-022211-KDF-106
Sample Date			6/8/2005	2/7/2007	7/25/2007	3/5/2008	3/5/2008	9/9/2008	9/9/2008	2/19/2009	9/30/2009	9/30/2009	2/16/2010	8/13/2010	8/13/2010	2/22/2011
Sample Type			Duplicate				Duplicate		Duplicate			Duplicate			Duplicate	
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	***0.48 J***	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	***0.53***
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	-	1.2 U	-	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	0.56 J	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	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	5	1 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	***90.2***	***61***	***80***	***190***	***180***	***290***	***270***	***200***	***170***	***170***	***170***	***64***	***63***	***65***
1,1-Dichloroethene	ug/L	7	***9.5***	***5.5***	***5.2***	***5.9***	***6.2***	***9.5***	***11***	***6.6***	***7.9***	***7.5***	***7.5***	5.0 U	2.7 J	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	5.0 U	5.0 U	***16***	***16***	***9.4***	***13***	***14***	***21***	23	***17***	***32***	***32***	***52***
1,2-Dichlorobenzene	ug/L	600	-	9.2	***8.7***	***18***	***19***	***21***	***24***	***30***	***30***	32	***28***	***34***	***33***	***32***
1,2-Dichloroethane	ug/L	5	1 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	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	-	13	***13***	***27***	***27***	***31***	***38***	***46***	***58***	***61***	***59***	***72***	***72***	***76***
1,4-Dichlorobenzene	ug/L	75	-	50	***50***	***120***	***120***	***160***	***190***	***180***	***240***	***260***	24	***270***	***290***	***270***
Acetone	ug/L	4000	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	0.78 J	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	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	2 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	2 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	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	100	***15.2***	8.6	***17***	***67***	***65***	***110***	***120***	***87***	***77***	***77***	***91***	***100***	***100***	***90***
Chloroethane	ug/L	10	***5.6***	10 U	***13***	***36***	***37***	***60***	***62***	***33***	***19***	***21***	***24***	***9.3 J***	***8.5 J***	***12***
Chloroform (Trichloromethane)	ug/L	100	1 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	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	***96***	***120***	***53***	***37***	***37***	***24***	***24***	***25***	***24***	***26***	***31***	***20***	***19***	***19***
Cyclohexane	ug/L	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	2.7 J	2.5 J	5.0 U
Dibromochloromethane	ug/L	100	1 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	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	***1.3***	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	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	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	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	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	-	-	-
Tetrachloroethene	ug/L	5	***14.1***	***17***	***50***	***72***	***71***	***36***	***42***	***19***	***10***	***12***	***7.5***	***8.5***	***8.4***	***5.9***
Toluene	ug/L	1000	1 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	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	100	0.68 J	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	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5	***24.7***	***21***	***30***	***24***	***24***	***18***	***20***	***18***	***12***	***13***	***12***	***13***	***13***	***10***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	10 U	-	-	-	-	-	-	-	-	10 U	10 U	10 U
Vinyl chloride	ug/L	2	0.65 J	2.0 U	2.0 U	2.0 U	2.0 U	***8.3***	***8.8***	***2.5***	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	3 U	15 U	5.0 U	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-2	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample Name			GW-082311-DJB-106	MW-3	GW-111300-MR-01	W-082603-SLW-02	W-082603-SLW-03	GW-121103-TL-004	WG-070804-SAG-006	WG-070804-SAG-007	GW-060805-CM-101	GW-020707-SAG-302	GW-020707-SAG-303	GW-072607-CRM-207	MW-3	MW-3
Sample Date			8/23/2011	3/15/1999	11/13/2000	8/26/2003	8/26/2003	12/11/2003	7/8/2004	7/8/2004	6/8/2005	2/7/2007	2/7/2007	7/26/2007	3/5/2008	3/5/2008
Sample Type							Duplicate			Duplicate			Duplicate			Duplicate
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	21	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ	-	13.1	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	1 U	20	0.5 U	0.5 U	6.6	0.48 U	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	1 U	1 U	16	17	0.48 U	6.1	-	4.8 U	8.8	8.7	15	13	14
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	-	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-
1,1,2-Trichloroethane	ug/L	5	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	-	-
1,1-Dichloroethane	ug/L	4000	50	22	31 J	18	-	15	21	17	30.5	19	19	25	12	-
1,1-Dichloroethene	ug/L	7	5.0 U	5	7.5	3.4 J	-	3.6	5.4	4.4	8.6	5.0 U	5.0 U	10	5.0 U	-
1,2,3-Trichloropropane	ug/L	5	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	62	10 U	7.5	5 U	-	0.7 J	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	12	-
1,2-Dichlorobenzene	ug/L	600	32	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	5.0 U	-
1,2-Dichloroethane	ug/L	5	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-
1,3-Dichlorobenzene	ug/L	600	73	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	5.0 U	-
1,4-Dichlorobenzene	ug/L	75	290	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	19	-
Acetone	ug/L	4000	50 U	100 U	20 U	20 U	-	10 U	12 U	10 U	25 U	50 U	50 U	50 U	50 U	-
Benzene	ug/L	5	5.0 U	2 U	5 U	2.3 J	-	0.8 J	0.85 J	1.5 J	0.8 J	5.0 U	5.0 U	5.0 U	5.0 U	-
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	10 U	10 U	5 U	-	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	5.0 U	-	-
Carbon disulfide	ug/L	4000	5.0 U	10 U	5 U	5 U	-	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Chlorobenzene	ug/L	100	99	10 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Chloroethane	ug/L	10	10 U	5 U	10 U	10 U	-	2 U	2.5 U	2 U	2 U	10 U	10 U	10 U	10 U	-
Chloroform (Trichloromethane)	ug/L	100	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	-	2 U	2.5 U	2 U	2 U	10 U	10 U	10 U	10 U	-
cis-1,2-Dichloroethene	ug/L	70	13	14	24	28	-	22	30	34	42.7	37	38	53	17	-
Cyclohexane	ug/L	5	5.0 U	-	-	5 U	-	2 U	2.5 U	1.2 J	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Dibromochloromethane	ug/L	100	5.0 U	10 U	100	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Ethylbenzene	ug/L	700	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Isopropyl benzene	ug/L	5	5.0 U	10 U	-	5 U	-	0.73 J	1.2 J	1.8 J	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Methylene chloride	ug/L	5	5.0 U	5 U	5 U	5 U	-	2 U	2.5 U	2 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Naphthalene	ug/L	20	-	13	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5 U	-	5 U	-	-	-	-	-	5.0 U	5.0 U	-	5.0 U	-
Tetrachloroethene	ug/L	5	5.8	69	110	34	-	47	61	51	128	98	100	250	93	-
Toluene	ug/L	1000	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1.3	8.6	8.5	5.0 U	5.0 U	-
trans-1,2-Dichloroethene	ug/L	100	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Trichloroethene	ug/L	5	8.5	18	31	19	-	15	19	16	29.1	19	19	55	13	-
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	-	-	10 U	-	2 U	2.5 U	2 U	-	10 U	10 U	10 U	-	-
Vinyl chloride	ug/L	2	2.0 U	10 U	10 U	2 U	-	2 U	2.5 U	2 U	0.55 J	2.0 U	2.0 U	2.0 U	2.0 U	-
Xylenes (total)	ug/L	10000	5.0 U	5 U	5 U	5 U	-	6 U	7.5 U	6 U	3 U	15 U	15 U	5.0 U	-	-

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4
Sample Name			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	GW-081310-DJB-106	GW-022111-KDF-102	GW-082311-DJB-107	MW-4	GW-111300-MR-04	W-082603-SLW-04	GW-121103-TL-007
Sample Date			9/9/2008	9/9/2008	2/19/2009	2/19/2009	9/29/2009	9/29/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	3/17/1999	11/13/2000	8/26/2003	12/11/2003
Sample Type				Duplicate		Duplicate		Duplicate								
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	***14***	***16***	***11***	***10***	***6.7***	***5.9***	***9.1***	***8.4***	***5.8***	***4.5***	1 U	1 U	0.5 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	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	2 U	5 U	5 U	1 U
1,1,2-Trichloroethane	ug/L	5	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	1 U
1,1-Dichloroethane	ug/L	4000	***14***	***13***	***19***	***24***	***8.4***	-	***18***	***10***	***13***	5.0 U	2 U	2.6 J	5 U	0.89 J
1,1-Dichloroethene	ug/L	7	5.0 U	5.0 U	***6.6***	***6.6***	***6.5***	-	***5.5***	3.8 J	5.0 U	5.0 U	2 U	5 U	5 U	0.28 J
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***8.1***	***6.6***	5.0 U	5.0 U	5.0 U	-	***7.1***	***7.7***	5.0 U	5.0 U	10 U	5 U	5 U	1 U
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	1.2 J	5.0 U	5.0 U	10 U	5 U	5 U	1 U
1,2-Dichloroethane	ug/L	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	2 U	5 U	5 U	1 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	2.0 J	5.0 U	5.0 U	10 U	5 U	5 U	1 U
1,4-Dichlorobenzene	ug/L	75	***9.0***	***7.9***	***7.9***	8.3	5.0 U	-	***11***	***6.1***	5.0 U	***7.9***	10 U	1.8 J	5 U	1 U
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	-	50 U	50 U	50 U	50 U	100 U	20 U	20 U	2.9 J
Benzene	ug/L	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	2 U	1.8 J	1.9 J	***1.3***
Bromomethane (Methyl bromide)	ug/L	10	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U	10 U	5 U	1 U
Carbon disulfide	ug/L	4000	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	10 U	5 U	5 U	1 U
Chlorobenzene	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	1.1 J	5.0 U	5.0 U	10 U	5 U	5 U	1 U
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	5 U	10 U	10 U	1 U
Chloroform (Trichloromethane)	ug/L	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	2 U	5 U	5 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	ug/L	70	***20***	***19***	***35***	***36***	***17***	-	***48***	***24***	***33***	***11***	***3***	4.3 J	5 U	0.94 J
Cyclohexane	ug/L	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 U	1 U
Dibromochloromethane	ug/L	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	10 U	3.9 J	5 U	1 U
Ethylbenzene	ug/L	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	2 U	5 U	5 U	1 U
Isopropyl benzene	ug/L	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	10 U	-	5 U	1 U
Methylene chloride	ug/L	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 U	5 U	5 U	1 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	-	-	-	5 U	-	5 U	-
Tetrachloroethene	ug/L	5	***110***	***93***	***120***	***160***	***48***	-	***120***	***120***	***110***	***37***	2 U	4 J	5 U	0.39 J
Toluene	ug/L	1000	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	2 U	5 U	5 U	1 U
trans-1,2-Dichloroethene	ug/L	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	2 U	5 U	5 U	1 U
Trichloroethene	ug/L	5	***14***	***13***	***20***	***25***	***12***	-	***25***	***23***	***20***	***10***	2 U	3.2 J	5 U	0.33 J
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	-	-	-	10 U	10 U	10 U	-	-	10 U	1 U
Vinyl chloride	ug/L	2	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	10 U	10 U	2 U	1 U
Xylenes (total)	ug/L	10000	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	3 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-5*	*MW-5*
Sample Name			*WG-070804-SAG-012*	*GW-060805-SAG-02*	*GW-060805-SAG-03*	*MW-4*	*GW-020807-DJB-106*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*GW-022211-CRM-007*	*GW-082311-EAH-106*	*GW-111400-MR-07*	*W-082603-SLW-06*
Sample Date			*7/8/2004*	*6/8/2005*	*6/8/2005*	*2/7/2007*	*2/8/2007*	*3/5/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*2/22/2011*	*8/23/2011*	*11/14/2000*	*8/26/2003*
Sample Type					*Duplicate*											
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	1 U	1 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	5 U	5 U
1,1,2-Trichloroethane	ug/L	5	1 U	1 U	-	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5 U	5 U
1,1-Dichloroethane	ug/L	4000	*2.5*	*5.2*	-	5.0 U	5.0 U	*14*	*5.0*	*15*	5.0 U	*15*	*10*	5.0 U	*120 J*	*63*
1,1-Dichloroethene	ug/L	7	1 U	*1.6*	-	5.0 U	5.0 U	5.0 U	5.0 U	5.4	5.0 U	*5.9*	5.0 U	5.0 U	22	9.6
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	*1.1*	-	-	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 U	5 U
1,2-Dichlorobenzene	ug/L	600	0.34 J	-	-	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 U	5 U
1,2-Dichloroethane	ug/L	5	1 U	1 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	5 U	5 U
1,3-Dichlorobenzene	ug/L	600	0.4 J	-	-	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 U	5 U
1,4-Dichlorobenzene	ug/L	75	0.38 J	-	-	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 U	5 U
Acetone	ug/L	4000	5 U	25 U	-	50 U	50 U	50 U	50 U	50 U	*82*	50 U	50 U	50 U	20 U	20 U
Benzene	ug/L	5	*1.8*	*1.4*	-	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 U	5 U
Bromomethane (Methyl bromide)	ug/L	10	1 U	2 U	-	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	10 U	5 U
Carbon disulfide	ug/L	4000	1 U	2 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	5 U	5 U
Chlorobenzene	ug/L	100	1 U	1 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	5 U	5 U
Chloroethane	ug/L	10	1 U	1 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	1 U	1 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	5 U	5 U
Chloromethane (Methyl chloride)	ug/L	3	1 U	2 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	*3.5*	*7.5*	-	*5.9*	*5.9*	*14*	*5.2*	*18*	*5.0 U*	*20*	*15*	5.0 U	*63*	*43*
Cyclohexane	ug/L	5	1 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	-	5 U
Dibromochloromethane	ug/L	100	1 U	1 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	5 U	5 U
Ethylbenzene	ug/L	700	1 U	1 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	5 U	5 U
Isopropyl benzene	ug/L	5	1 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	-	5 U
Methylene chloride	ug/L	5	1 U	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	5.0 U	5 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5 U
Tetrachloroethene	ug/L	5	*2.3*	*3.6*	-	5.0 U	5.0 U	*14*	5.0 U	*7.3*	5.0 U	*5.2*	5.0 U	5.0 U	5 U	5 U
Toluene	ug/L	1000	0.22 J	0.63 J	-	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 U	5 U
trans-1,2-Dichloroethene	ug/L	100	1 U	1 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	5 U	5 U
Trichloroethene	ug/L	5	*1.3*	*3*	-	5.0 U	5.0 U	*5.1*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J	1.4 J
Trifluorotrichloroethane (Freon 113)	ug/L	2000	1 U	-	-	-	10 U	-	-	-	-	-	10 U	10 U	-	10 U
Vinyl chloride	ug/L	2	1 U	1 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	10 U	2 U
Xylenes (total)	ug/L	10000	3 U	3 U	-	15 U	-	-	-	-	-	-	5.0 U	5.0 U	5 U	5 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-6*	*MW-6*
Sample Name			*GW-121103-TL-001*	*WG-070704-SAG-001*	*GW-060805-SAG-01*	*GW-020707-DJB-102*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*GW-081210-DJB-103*	*GW-022111-KDF-101*	*GW-082311-DJB-104*	*GW-111400-MR-09*	*GW-091701-DJB-005*
Sample Date			*12/11/2003*	*7/7/2004*	*6/8/2005*	*2/7/2007*	*3/6/2008*	*9/9/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/23/2011*	*11/14/2000*	*9/17/2001*
Sample Type																
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	0.48 UJ	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.48 U	-	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	0.48 UJ	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	1 U	1.7 U	1 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	5 U	1 U
1,1,2-Trichloroethane	ug/L	5	1 U	1.7 U	1 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	1 U
1,1-Dichloroethane	ug/L	4000	***1.7***	***46***	***98.6***	***89***	***96***	***46***	***29***	***18***	***10***	***5.0***	5.0 U	5.0 U	***16 J***	***27 J***
1,1-Dichloroethene	ug/L	7	0.93 J	***6.2***	***29.9***	***26***	***26***	***17***	***8.6***	***8.5***	5.0 U	2.8 J	5.0 U	5.0 U	***3.8 J***	***6.4***
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1 U
1,2,4-Trichlorobenzene	ug/L	70	1 U	***2.6***	-	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 U	1 U
1,2-Dichlorobenzene	ug/L	600	1 U	1.7 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	5 U	0.45 J
1,2-Dichloroethane	ug/L	5	1 U	1.7 U	1 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	5 U	1 U
1,3-Dichlorobenzene	ug/L	600	1 U	1.7 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	5 U	1 U
1,4-Dichlorobenzene	ug/L	75	1 U	1.7 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	5 U	1 U
Acetone	ug/L	4000	5 U	8.4 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	10 UJ
Benzene	ug/L	5	0.2 J	1.7 U	1 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	5 U	1 U
Bromomethane (Methyl bromide)	ug/L	10	1 U	1.7 U	2 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U	1 U
Carbon disulfide	ug/L	4000	1 U	1.7 U	2 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	5 U	1 U
Chlorobenzene	ug/L	100	1 U	1.7 U	1 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	5 U	1 U
Chloroethane	ug/L	10	1 U	1.7 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	***1.9 J***
Chloroform (Trichloromethane)	ug/L	100	1 U	1.7 U	1 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	5 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	1 U	1.7 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.71 J
cis-1,2-Dichloroethene	ug/L	70	***3.3***	***34***	***61.9***	***62***	***58***	***26***	***20***	***12***	***9.8***	***5.2***	5.0 U	5.0 U	***9.5***	***16***
Cyclohexane	ug/L	5	1 U	1.7 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	ug/L	100	1 U	1.7 U	1 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	5 U	1 U
Ethylbenzene	ug/L	700	1 U	1.7 U	1 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	5 U	1 U
Isopropyl benzene	ug/L	5	1 U	1.7 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 U
Methylene chloride	ug/L	5	1 U	1.7 U	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	5.0 U	5 U	2 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1 UJ
o-Xylene	ug/L	10000	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-
Tetrachloroethene	ug/L	5	***20***	1.7 U	1 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	5 U	1 U
Toluene	ug/L	1000	1 U	1.7 U	1 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	5 U	1 U
trans-1,2-Dichloroethene	ug/L	100	1 U	1.7 U	1 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	5 U	1 U
Trichloroethene	ug/L	5	***7.5***	1.1 J	3.6	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 U	***1.2***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	1 U	1.7 U	-	10 U	-	-	-	-	-	10 U	10 U	10 U	-	-
Vinyl chloride	ug/L	2	1 U	1.7 U	0.62 J	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	10 U	2 U
Xylenes (total)	ug/L	10000	3 U	5 U	3 U	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	3 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*
Sample Name			*W-082703-SLW-07*	*GW-121103-TL-006*	*WG-070804-SAG-008*	*GW-060905-CM-105*	*GW-020807-SAG-304*	*GW-072607-SYJ-004*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*GW-081210-MLR-205*	*MW-6*	*GW-022211-CRM-009*
Sample Date			*8/27/2003*	*12/11/2003*	*7/8/2004*	*6/9/2005*	*2/8/2007*	*7/26/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*2/22/2011*
Sample Type																
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	5 U	1 U	1 U	1 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	5.0 U
1,1,2-Trichloroethane	ug/L	5	5 U	1 U	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	-	5.0 U
1,1-Dichloroethane	ug/L	4000	***36***	***31***	***26***	***59.4***	***48***	***29***	***53***	***26***	***29***	***18***	***17***	***16***	***9.3***	***9.3***
1,1-Dichloroethene	ug/L	7	***7.8***	***7.9***	***5.8***	***15.9***	***13***	***8.1***	***16***	***6.2***	***9.0***	***8.4***	5.0	***7.4***	5.0 U	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.5 J	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	5 U	***0.2 J***	1 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	5.0 U
1,2-Dichloroethane	ug/L	5	5 U	0.11 J	1 U	1 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	5.0 U
1,3-Dichlorobenzene	ug/L	600	5 U	1 U	1 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	5.0 U
1,4-Dichlorobenzene	ug/L	75	5 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U
Acetone	ug/L	4000	20 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5 U	1 U	1 U	1 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	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	5 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	-	5.0 U
Carbon disulfide	ug/L	4000	5 U	1 U	1 U	2 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	ug/L	100	5 U	1 U	1 U	1 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	5.0 U
Chloroethane	ug/L	10	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.7 J	5.0 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5 U	1 U	1 U	1 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	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U
cis-1,2-Dichloroethene	ug/L	70	***25***	***25***	***19***	***39.6***	***37***	***19***	***55***	***17***	***55***	***47***	***40***	***45***	***33***	***33***
Cyclohexane	ug/L	5	5 U	1 U	1 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	5.0 U
Dibromochloromethane	ug/L	100	5 U	1 U	1 U	1 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	5.0 U
Ethylbenzene	ug/L	700	5 U	1 U	1 U	1 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	5.0 U
Isopropyl benzene	ug/L	5	5 U	1 U	1 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	5.0 U
Methylene chloride	ug/L	5	5 U	1 U	1 U	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	-	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5 U	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Tetrachloroethene	ug/L	5	5 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***6.6***	5.0 U	5.0 U
Toluene	ug/L	1000	5 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	100	5 U	1 U	1 U	1 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	5.0 U
Trichloroethene	ug/L	5	5 U	0.64 J	***0.49 J***	***0.75 J***	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
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	1 U	1 U	-	10 U	10 U	-	-	-	-	-	10 U	-	10 U
Vinyl chloride	ug/L	2	2 U	0.22 J	1 U	1 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	2.0 U
Xylenes (total)	ug/L	10000	5 U	3 U	3 U	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Sample Name			GW-082211-DJB-102	GW-082211-DJB-103	GW-111300-MR-02	GW-111300-MR-03	GW-091701-DJB-001	GW-091701-DJB-002	W-082703-SLW-08	GW-121203-TL-008	GW-121203-TL-010	WG-070704-SAG-003	GW-060905-DJB-004	GW-020807-SAG-308	GW-072507-SYJ-001	MW-7
Sample Date			8/22/2011	8/22/2011	11/13/2000	11/13/2000	9/17/2001	9/17/2001	8/27/2003	12/12/2003	12/12/2003	7/7/2004	6/9/2005	2/8/2007	7/25/2007	3/6/2008
Sample Type				Duplicate		Duplicate		Duplicate			Duplicate					
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	5.0 U	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	5	5.0 U	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	*1.3*	1 U	5.0 U	5.0 U	-
1,1-Dichloroethane	ug/L	4000	*8.3*	*8.7*	*20 J*	*21 J*	*35 J*	-	*9.4*	*1.6*	*2*	*3.2*	*1.9*	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	7	5.0 U	5.0 U	15 U	3.2 J	*4.9*	-	1.1 J	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	1 U	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	*520*	*480*	*330*	-	*110*	*4*	*4.7*	*15*	-	5.0 U	5.0 U	*33*
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	*19*	*20*	*15*	-	*6.5*	*1.2*	*1.3*	*2.1*	-	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	15 U	5 U	0.53 J	-	5 U	1 U	1 U	0.32 J	1 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	*8.8 J*	*9.9*	*8.3*	-	3 J	0.92 J	*1*	*1*	-	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	*52*	*53*	*48*	-	*27*	*6.6*	*7.4*	*7.3*	-	5.0 U	5.0 U	*7.0*
Acetone	ug/L	4000	50 U	50 U	60 U	20 U	10 UJ	-	20 U	5 U	5 U	5 U	25 U	50 U	50 U	50 U
Benzene	ug/L	5	5.0 U	5.0 U	15 U	4.3 J	*4.5*	-	1.1 J	1 U	1 U	0.36 J	1 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	5.0 U	30 U	10 U	1 U	-	5 U	1 U	1 U	1 U	2 U	5.0 U	5.0 U	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	2 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	100	5.0 U	5.0 U	*40*	*41*	*50*	-	*20*	*3.5*	*3.9*	*6*	0.58 J	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	10	10 U	10 U	30 U	10 U	2 UJ	-	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	15 U	5 U	0.27 J	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	30 U	10 U	0.82 J	-	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	*28*	*29*	*9.1 J*	*9.4*	*12*	-	2.9 J	0.65 J	0.47 J	0.92 J	1 U	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	5	5.0 U	5.0 U	-	-	-	-	5 U	1 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	*12 J*	*14*	1 U	-	5 U	1 U	1 U	*1.5*	1 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	5	5.0 U	5.0 U	-	-	*2.3*	-	5 U	1 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5	5.0 U	5.0 U	15 U	5 U	2 U	-	5 U	1 U	1 U	1 U	5 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	16 J	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	-	-	-	5 U	-	-	-	-	5.0 U	-	5.0 U
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	*14 J*	*14*	*23*	-	*6.1*	0.25 J	0.3 J	*1.8*	1 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	1000	5.0 U	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	100	5.0 U	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5	5.0 U	5.0 U	*15*	*16*	*22*	-	*4.8 J*	0.31 J	0.22 J	*1.4*	1 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	-	-	-	10 U	1 U	1 U	1 U	-	10 U	10 U	-
Vinyl chloride	ug/L	2	2.0 U	2.0 U	30 U	10 U	2 U	-	2 U	1 U	1 U	1 U	1 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	5.0 U	5.0 U	15 U	2.1 J	1.6 J	-	5 U	3 U	3 U	3 U	3 U	15 U	5.0 U	-

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Sample Name			MW-7	MW-7	MW-7	MW-7	GW-081210-DJB-101	GW-022111-CRM-003	GW-022111-CRM-004	GW-082311-EAH-104	GW-091701-DJB-003	GW-091701-DJB-004	W-082703-SLW-09	GW-121203-TL-011	WG-070704-SAG-004	GW-060905-DJB-005
Sample Date			9/9/2008	2/19/2009	9/30/2009	2/17/2010	8/12/2010	2/21/2011	2/21/2011	8/23/2011	9/17/2001	9/17/2001	8/27/2003	12/12/2003	7/7/2004	6/9/2005
Sample Type									Duplicate			Duplicate				
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	1.4	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	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	7.1 U	10 U	5 U	2 U	3 U	1 U
1,1,2-Trichloroethane	ug/L	5	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	11	14	4.8 J	23	25	3.9
1,1-Dichloroethene	ug/L	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2	1.6 J	1 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	7.1 U	10 U	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	160	170	48	250	63	-
1,2-Dichlorobenzene	ug/L	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	13	13	3.1 J	7.4	8.4	-
1,2-Dichloroethane	ug/L	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	7.1 U	10 U	5 U	2 U	3 U	1 U
1,3-Dichlorobenzene	ug/L	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	11	11	3.5 J	8.7	11	-
1,4-Dichlorobenzene	ug/L	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	57	57	13	35	41	-
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	71 UJ	29 J	20 U	10 U	15 U	25 U
Benzene	ug/L	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	11	13	20	11	9.1	3.1
Bromomethane (Methyl bromide)	ug/L	10	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 U
Chlorobenzene	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	0.29 J	5.0 U	5.0 U	5.0 U	45	50	15	37	39	15.9
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U	20 U	10 U	2 U	3 U	2 U
Chloroform (Trichloromethane)	ug/L	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	7.1 U	10 U	5 U	2 U	3 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U	20 U	10 U	2 U	3 U	2 U
cis-1,2-Dichloroethene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10	13	1.9 J	7.4	7	1.4
Cyclohexane	ug/L	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 U	2 U	3 U	-
Dibromochloromethane	ug/L	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	7.1 U	10 U	5 U	2 U	3 U	1 U
Ethylbenzene	ug/L	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	2.5 J	2.5 J	5 U	2.6	3.2	1 U
Isopropyl benzene	ug/L	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	2.5 J	2.2 J	6.7	1.9 J	1.4 J	-
Methylene chloride	ug/L	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	14 U	20 U	5 U	2 U	3 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	48	35	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	5 U	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.4	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	3.5	3.5	1.2
Toluene	ug/L	1000	5.0 U	5.0 U	5.0 U	5.0 U	4.5 J	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	0.42 J	3 U	1 U
trans-1,2-Dichloroethene	ug/L	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	7.1 U	10 U	5 U	2 U	3 U	1 U
Trichloroethene	ug/L	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	7.1 U	2.9 J	1.2 J	6.4	6	1.3
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	10 U	10 U	10 U	-	-	10 U	2 U	3 U	-
Vinyl chloride	ug/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	14 U	20 U	2 U	2 U	3 U	1 U
Xylenes (total)	ug/L	10000	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	21 U	30 U	5 U	2.2 J	1.7 J	3 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9
Sample Name			GW-020807-SAG-307	GW-072507-SYJ-002	MW-8	MW-8	MW-8	MW-8	MW-8	GW-081210-MLR-202	GW-022111-CRM-002	GW-082211-EAH-102	GW-091701-DJB-006	GW-121203-TL-012	WG-070804-SAG-009	GW-060905-CM-107
Sample Date			2/8/2007	7/25/2007	3/6/2008	9/10/2008	2/20/2009	9/29/2009	2/17/2010	8/12/2010	2/21/2011	8/22/2011	9/17/2001	12/12/2003	7/8/2004	6/9/2005
Sample Type																
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	1.8
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	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	2 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	5	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.48 J	5.0 U	5.0 U	6.3	4.6	3.4	1.1
1,1-Dichloroethene	ug/L	7	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	2 U	0.23 J	1 U	1 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	130	63	190	140	130	120	17	63	97	30	49	37	14	-
1,2-Dichlorobenzene	ug/L	600	11	8.8	14	12	14	11	11	12	13	5.9	6.4	4	3.2	-
1,2-Dichloroethane	ug/L	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	2 U	1 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	600	26	21	43	39	44	50	7.8	54	62	28	4.1	4	2.5	-
1,4-Dichlorobenzene	ug/L	75	95	83	170	180	170	220	35	240	250	140	25	18	11	-
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13 J	5 U	5 U	5.3 J
Benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.7	6.5	5.3	5.0 U	8.6	5.0 U	5.0 U	2 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	2 U
Carbon disulfide	ug/L	4000	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	2 U	1 U	1 U	2 U
Chlorobenzene	ug/L	100	39	39	38	39	40	31	5.0 U	38	33	23	10	4.6	3.7	1 U
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 U	1 U	1 U	2 U
Chloroform (Trichloromethane)	ug/L	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	2 U	1 U	1 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 U	1 U	2 U
cis-1,2-Dichloroethene	ug/L	70	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	0.75 J	1	0.8 J	1 U
Cyclohexane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	-	1 U	1 U	-
Dibromochloromethane	ug/L	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	2 U	1 U	1 U	1 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.65 J	5.0 U	5.0 U	2 U	1 U	1 U	1 U
Isopropyl benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.9	5.0 U	5.6	5.0 U	5.0 U	2 U	1 U	1 U	-
Methylene chloride	ug/L	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	4 U	1 U	1 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	2 U	-	-	-
o-Xylene	ug/L	10000	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	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	2 U	0.9 J	0.38 J	1 U
Toluene	ug/L	1000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	2 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	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	2 U	1 U	1 U	1 U
Trichloroethene	ug/L	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	2 U	0.88 J	0.56 J	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	-	1 U	1 U	-
Vinyl chloride	ug/L	2	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	4 U	1 U	1 U	1 U
Xylenes (total)	ug/L	10000	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	6 U	3 U	3 U	3 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-10	MW-10	MW-10	MW-10
Sample Name			GW-020807-DJB-104	GW-072507-CRM-201	MW-9	MW-9	MW-9	MW-9	MW-9	GW-081210-MLR-201	GW-022111-CRM-001	GW-082211-DJB-101	W-082703-SLW-10	W-082703-SLW-20	GW-121103-TL-005	WG-070804-SAG-011
Sample Date			2/8/2007	7/25/2007	3/6/2008	9/10/2008	2/20/2009	9/30/2009	2/17/2010	8/12/2010	2/21/2011	8/22/2011	8/27/2003	8/27/2003	12/11/2003	7/8/2004
Sample Type														Duplicate		
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	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	5 U	5 U	10 U	3 U
1,1,2-Trichloroethane	ug/L	5	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.6 J	5.0 U	5.0 U	5 U	5 U	*30*	1.9 J
1,1-Dichloroethene	ug/L	7	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	5 U	5 U	10 U	3 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	*8.0*	5.0 U	*7.3*	5.0 U	5.0 U	*7.5*	5.0 U	1.8 J	5.0 U	5.0 U	5 U	5 U	*170*	3 U
1,2-Dichlorobenzene	ug/L	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	5 U	5 U	9.1 J	3 U
1,2-Dichloroethane	ug/L	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	5 U	5 U	10 U	3 U
1,3-Dichlorobenzene	ug/L	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	5 U	5 U	9.9 J	3 U
1,4-Dichlorobenzene	ug/L	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	5.0 U	5.0 U	4.3 J	4.3 J	*42*	2.9 J
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	20 U	50 U	15 U
Benzene	ug/L	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	*17*	*17*	*15*	*9.2*
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U
Carbon disulfide	ug/L	4000	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	5 U	5 U	10 U	3 U
Chlorobenzene	ug/L	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	*38*	*38*	*45*	*31*
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 U
Chloroform (Trichloromethane)	ug/L	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	5 U	5 U	10 U	3 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 U
cis-1,2-Dichloroethene	ug/L	70	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	1.5 J	1.4 J	*10*	1.8 J
Cyclohexane	ug/L	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	*13*	*13*	10 U	*3.6*
Dibromochloromethane	ug/L	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	5 U	5 U	10 U	3 U
Ethylbenzene	ug/L	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	*140*	*130*	2.9 J	*85*
Isopropyl benzene	ug/L	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	*30*	*31*	10 U	*14*
Methylene chloride	ug/L	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	5 U	5 U	10 U	3 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5 U	5 U	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*5.5*	5.0 U	5.0 U	5 U	5 U	*6 J*	3 U
Toluene	ug/L	1000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.1 J	5.0 U	5.0 U	5 U	5 U	10 U	3 U
trans-1,2-Dichloroethene	ug/L	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	5 U	5 U	10 U	3 U
Trichloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.1 J	5.0 U	5.0 U	5 U	5 U	*7.1 J*	3 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	10 U	3 U
Vinyl chloride	ug/L	2	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	2 U	2 U	10 U	3 U
Xylenes (total)	ug/L	10000	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	30 U	15

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11
Sample Name			GW-060805-CM-102	GW-020807-DJB-105	GW-072607-CRM-208	MW-10	MW-10	MW-10	MW-10	MW-10	GW-081210-DJB-102	MW-10	GW-022211-KDF-105	GW-082311-EAH-105	W-102703-SLW-01	GW-121203-TL-009
Sample Date			6/8/2005	2/8/2007	7/26/2007	3/5/2008	9/10/2008	2/20/2009	9/30/2009	2/16/2010	8/12/2010	2/21/2011	2/22/2011	8/23/2011	10/27/2003	12/12/2003
Sample Type																
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.50 U	-	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	1 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	5.0 U	5.0 U	5 U	1 U
1,1,2-Trichloroethane	ug/L	5	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	-	5.0 U	5.0 U	5 U	1 U
1,1-Dichloroethane	ug/L	4000	2.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.83 J	5.0 U	5.0 U	5.0 U	5 U	1 U
1,1-Dichloroethene	ug/L	7	1 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	5.0 U	5.0 U	5 U	1 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	26	26	5.0 U	5 U	1 U
1,2-Dichlorobenzene	ug/L	600	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.1 J	5.0 U	5.0 U	5.0 U	5 U	3.3
1,2-Dichloroethane	ug/L	5	1 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	5.0 U	5.0 U	5 U	1 U
1,3-Dichlorobenzene	ug/L	600	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.3 J	5.0 U	5.0 U	5.0 U	5 U	1 U
1,4-Dichlorobenzene	ug/L	75	-	7.4	8.2	11	17	15	14	14	16	12	12	20	5 U	1 U
Acetone	ug/L	4000	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	5 U
Benzene	ug/L	5	9.4	5.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.77 J	5.0 U	5.0 U	5.0 U	5 U	0.56 J
Bromomethane (Methyl bromide)	ug/L	10	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	-	5.0 U	5.0 U	5 U	1 U
Carbon disulfide	ug/L	4000	2 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	5.0 U	5.0 U	5 U	1 U
Chlorobenzene	ug/L	100	31.9	19	13	7.6	5.0 U	6.6	8.5	8.8	3.1 J	5.0 U	5.0 U	5.0 U	5 U	2.4
Chloroethane	ug/L	10	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U
Chloroform (Trichloromethane)	ug/L	100	1 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	5.0 U	5.0 U	5 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	ug/L	70	1.9	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.2 J	5.0 U	5.0 U	5.0 U	5 U	0.47 J
Cyclohexane	ug/L	5	-	15	13	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10.0	5.0 U	5.0 U	9.6	5 U	1 U
Dibromochloromethane	ug/L	100	1 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	5.0 U	5.0 U	5 U	1 U
Ethylbenzene	ug/L	700	108	110	130	76	68	54	49	49	38	24	24	12	5 U	1 U
Isopropyl benzene	ug/L	5	-	31	32	22	29	28	24	27	28	18	18	20	5 U	1 U
Methylene chloride	ug/L	5	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	-	5.0 U	5.0 U	5 U	1 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5.0 U	-	5.9	5.5	6.1	7.0	5.0 U	-	-	-	-	5 U	-
Tetrachloroethene	ug/L	5	1 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	5.0 U	5.0 U	5 U	1 U
Toluene	ug/L	1000	0.97 J	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	5.0 U	5 U	1 U
trans-1,2-Dichloroethene	ug/L	100	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	5.0 U	5 U	1 U
Trichloroethene	ug/L	5	1 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	5.0 U	5.0 U	5 U	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	10 U	-	-	-	-	-	10 U	-	10 U	10 U	10 U	1 U
Vinyl chloride	ug/L	2	1 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	2.0 U	2.0 U	2 U	1 U
Xylenes (total)	ug/L	10000	17.1	15 U	28	-	-	-	-	-	11	5.0 U	5.0 U	5.0 U	5 U	3 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-12	MW-12
Sample Name			WG-070804-SAG-010	GW-060905-CM-106	GW-020807-DJB-103	GW-072507-CRM-202	MW-11	MW-11	MW-11	MW-11	MW-11	GW-081210-MLR-203	GW-022111-CRM-005	GW-082211-EAH-101	GW-020707-DJB-101	GW-072507-CRM-206
Sample Date			7/8/2004	6/9/2005	2/8/2007	7/25/2007	3/6/2008	9/10/2008	2/20/2009	9/30/2009	2/17/2010	8/12/2010	2/21/2011	8/22/2011	2/7/2007	7/25/2007
Sample Type																
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	200	1 U	1 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	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	5	1 U	1 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	ug/L	4000	1 U	1 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	5.0 U	***44***	***41***
1,1-Dichloroethene	ug/L	7	1 U	1 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	5.0 U	***16***	***19***
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***3.8***	-	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	***6.1***	***57***
1,2-Dichlorobenzene	ug/L	600	***7***	-	5.0 U	***5.3***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	1 U	1 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	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	1 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	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	0.36 J	-	5.0 U	5.0 U	5.0 U	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
Acetone	ug/L	4000	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	0.82 J	1 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	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	1 U	2 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	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	100	***3.5***	3.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.6 J	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	10	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	0.27 J	1.3	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	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	1 U	1 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	5.0 U	***65***	***56***
Cyclohexane	ug/L	5	1 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	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	1 U	1 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	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	1 U	1 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	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	5	1 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	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5	1 U	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	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	-
Tetrachloroethene	ug/L	5	1 U	1 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	5.0 U	***250***	***260***
Toluene	ug/L	1000	1 U	1 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	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	100	1 U	1 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	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5	1 U	1 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	5.0 U	***56***	***76***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	1 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/L	2	1 U	1 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	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	3 U	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	5.0 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12D	MW-12D	MW-12D	MW-13	MW-13	MW-13
Sample Name			MW-12	MW-12	MW-12	MW-12	MW-12	GW-081310-MLR-208	GW-022111-KDF-104	GW-082311-EAH-107	GW-081310-MLR-209	GW-022211-KDF-107	GW-082311-EAH-108	GW-081210-MLR-204	GW-022211-CRM-008	GW-082211-EAH-103
Sample Date			3/6/2008	9/9/2008	2/19/2009	9/30/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	8/13/2010	2/22/2011	8/23/2011	8/12/2010	2/22/2011	8/22/2011
Sample Type																
	Units	Type 1/3 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	***12***	***19***	0.50 U	***3.5***	***6.5***	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	***5.2***	0.5 U	***7.4***	***4.4***	***4.2***	1.2 U	0.50 U	***8.1***	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	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
1,1-Dichloroethane	ug/L	4000	***47***	***39***	***25***	***28***	***14***	***19***	***13***	5.0 U	***18***	***17***	***17***	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	7	***14***	***15***	***7.2***	***11***	5.0 U	***9.2***	5.0 U	5.0 U	***9.6***	***6.0***	***6.4***	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***480***	***5.5***	***26***	***480***	***38***	***730***	***710***	***710***	***260***	***370***	***210***	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.8 J	5.0 U	5.0 U	1.8 J	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	5.0 U	5.0 U	0.81 J	5.0 U	5.0 U	***3.9 J***	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	***7.3***	***9.4***	***5.4***	***8.7***	***6.9***	***5.1***	2.6 J	***5.1***	5.0 U	***21***	***13***	***6.8***
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.53 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***19***	***22***	***31***
Bromomethane (Methyl bromide)	ug/L	10	-	-	-	-	-	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
Carbon disulfide	ug/L	4000	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	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	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	5.0 U	***38***	***28***	***25***
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	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	1.2 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	***51***	***48***	***38***	***48***	***32***	***41***	***33***	***8.9***	***38***	***44***	***33***	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	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	5.0 U	***8.6***	5.0 U	5.0 U
Dibromochloromethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	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	5.0 U	***7.8***	***9.2***	***11***
Isopropyl benzene	ug/L	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	5.0 U	***19***	***15***	***14***
Methylene chloride	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	***300***	***200***	***170***	***220***	***140***	***280***	***220***	***130***	***220***	***230***	***170***	5.0 U	5.0 U	5.0 U
Toluene	ug/L	1000	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	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5	***66***	***37***	***32***	***49***	***28***	***55***	***40***	***14***	***58***	***59***	***48***	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/L	2	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	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***6.6***	***5.2***	5.0 U

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4A

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 1/3
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*B-40*	*B-42*	*B-44*	*B-50*
Sample Name			*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*GW-081210-DJB-104*	*GW-022111-KDF-103*	*GW-082311-DJB-108*	*GW-060603-DB-04*	*GW-060603-DB-01*	*GW-060603-DB-03*	*GW-060603-DB-02*
Sample Date			*3/5/2008*	*9/9/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/23/2011*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*
Sample Type														
	Units	Type 1/3 RRS												
Polychlorinated Biphenyls														
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U	1 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U	1 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	*4.3 J*	*66 J*	1 U	*11 J*
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	*11*	*7.0*	*8.3*	*6.0*	*14*	*3.8*	*5.7*	1 U	1 U	1 U	1 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	*11*	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	*4.9*	*3.8*	0.5 U	*3.6*	*2.5*	*2.7*	*2.1*	*3.2*	1 U	1 U	1 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.5 U	*2.9*	0.5 U	0.5 U	*1.2*	*0.68*	0.50 U	1 U	*6.3 J*	1 U	1 U
Polycyclic Aromatic Hydrocarbons (PAH)														
Fluorene	ug/L	1000	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds														
1,1,1-Trichloroethane	ug/L	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	-	-	-	-
1,1,2-Trichloroethane	ug/L	5	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethane	ug/L	4000	5.0 U	*10*	5.0 U	5.0 U	5.0 U	1.9 J	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethene	ug/L	7	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-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	*10*	5.0	5.0 U	*19*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	*7.3*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,2-Dichloroethane	ug/L	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	-	-	-	-
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	*6.9*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,4-Dichlorobenzene	ug/L	75	*8.4*	5.0 U	5.0 U	*29*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	-	-	-	-
Benzene	ug/L	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	-	-	-	-
Bromomethane (Methyl bromide)	ug/L	10	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.9 J	5.0 U	5.0 U	-	-	-	-
Chlorobenzene	ug/L	100	5.0 U	5.0 U	5.0 U	*6.2*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-
Chloroform (Trichloromethane)	ug/L	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	-	-	-	-
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-
cis-1,2-Dichloroethene	ug/L	70	5.0 U	*12*	5.0 U	5.0 U	5.0 U	2.4 J	5.0 U	5.0 U	-	-	-	-
Cyclohexane	ug/L	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	-	-	-	-
Dibromochloromethane	ug/L	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	-	-	-	-
Ethylbenzene	ug/L	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	-	-	-	-
Isopropyl benzene	ug/L	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	-	-	-	-
Methylene chloride	ug/L	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	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	*16*	*55*	5.0 U	*9.8*	*9.3*	*10*	5.0 U	*9.4*	-	-	-	-
Toluene	ug/L	1000	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-Dichloroethene	ug/L	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	-	-	-	-
Trichloroethene	ug/L	5	5.0 U	*8.7*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	-	10 U	10 U	10 U	-	-	-	-
Vinyl chloride	ug/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	-	-	-
Xylenes (total)	ug/L	10000	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-

Notes:
ug/L - micrograms per liter
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
Detection below Type 1 /3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*
Sample Name			*MW1-1*	*MW-2*	*GW-111300-MR-05*	*GW-111300-MR-06*	*W-082603-SLW-05*	*GW-121103-TL-003*	*WG-070804-SAG-005*	*GW-060805-SAG-04*	*GW-020807-SAG-305*	*GW-020807-SAG-306*	*MW-1*	*MW-1*	*MW-1*	*MW-1*
Sample Date			*11/11/1994*	*3/17/1999*	*11/13/2000*	*11/13/2000*	*8/26/2003*	*12/11/2003*	*7/8/2004*	*6/8/2005*	*2/8/2007*	*2/8/2007*	*3/6/2008*	*9/10/2008*	*2/19/2009*	*9/29/2009*
Sample Type						*Duplicate*						*Duplicate*				
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	2 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	-	2 U	5 U	4.2 J	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethane	ug/L	4000	-	*7*	*27 J*	*27 J*	*9.5*	*63*	*9.3*	1 U	5.0 U	5.0 U	5.0 U	*10*	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	524	-	*5*	*17*	*17*	3 J	*18*	1.8 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	10 U	5 U	5 U	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	-	10 U	5 U	5 U	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	45600	-	100 U	20 U	20 U	20 U	10 U	15 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	-	2 U	1.9 J	1.8 J	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	-	10 U	10 U	10 U	5 U	2 U	3 U	2 U	5.0 U	5.0 U	-	-	-	-
Carbon disulfide	ug/L	4000	-	10 U	5 U	5 U	5 U	2 U	3 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	-	10 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	29200	-	5 U	10 U	10 U	10 U	1 J	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	-	10 U	10 U	10 U	10 U	2 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	-	*4*	*22*	*22*	*16*	*44*	*24*	1 U	5.0 U	5.0 U	5.0 U	*19*	5.0 U	5.0 U
Cyclohexane	ug/L	17500	-	-	-	-	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	-	10 U	80	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	-	10 U	-	-	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	-	5 U	5 U	5 U	5 U	2 U	3 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5 U	-	-	5 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	-	*28*	*84*	*89*	*25*	2 U	*57*	1 U	5.0 U	5.0 U	5.0 U	*77*	5.0 U	5.0 U
Toluene	ug/L	5240	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	-	*21*	*84*	*84*	*21*	2.1	*28*	1 U	5.0 U	5.0 U	5.0 U	*25*	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	2 U	3 U	-	10 U	10 U	-	-	-	-
Vinyl chloride	ug/L	3.27	-	10 U	10 U	10 U	2 U	0.46 J	3 U	1 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	-	5 U	5 U	5 U	5 U	6 U	9 U	3 U	-	15 U	-	-	-	-

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*
Sample Name			*MW-1*	*GW-081310-DJB-105*	*GW-022111-CRM-006*	*GW-082311-DJB-105*	*MW2-1*	*MW-2*	*MW-1*	*MW-2*	*GW-111400-MR-08*	*W-082603-SLW-01*	*GW-121103-TL-002*	*WG-070704-SAG-002*	*GW-060805-CM-103*	*GW-060805-CM-104*
Sample Date			*2/17/2010*	*8/13/2010*	*2/21/2011*	*8/23/2011*	*11/9/1994*	*3/15/1999*	*3/16/1999*	*11/13/2000*	*11/14/2000*	*8/26/2003*	*12/11/2003*	*7/7/2004*	*6/8/2005*	*6/8/2005*
Sample Type																*Duplicate*
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	-	-	-	1 U	*2.1*	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	*0.49 J*	0.48 J
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	-	2 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	-	1 U	1.0 U	1 U	*2*	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	*1*	1.0 U	1 U	1.0 U	1 U	*2*	0.48 U	0.27 J	0.5 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	*0.69 J*	1.0 U	*14*	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	0.5 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	*16*	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	*17*	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	0.51 J	0.56 J
1,1,2-Trichloroethane	ug/L	46.6	-	5.0 U	5.0 U	5.0 U	-	-	2 U	-	5 U	5 U	2 U	2.5 U	1 U	1 U
1,1-Dichloroethane	ug/L	4000	5.0 U	2.3 J	5.0 U	5.0 U	-	*22*	*40*	*31 J*	*23 J*	*160*	*49*	*49*	*97.8*	*90.2*
1,1-Dichloroethene	ug/L	524	5.0 U	5.0 U	5.0 U	5.0 U	-	*5*	*11*	*7.5*	1.8 J	*7*	*6.3*	*5.3*	*8.9*	*9.5*
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	*7.5*	5 U	4.6 J	*3.8*	*2.8*	-	-
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	5.0 U	5 U	*9.4*	*6.5*	*6.9*	-	-
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	5.0 U	2.7 J	*12*	*9.4*	*8.6*	-	-
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	*39*	5.0 U	*10*	*51*	*41*	*36*	-	-
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	-	0.1 U	100 U	20 U	20 U	20 U	10 U	12 U	25 U	25 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	0.5 U	0.5 U
Benzene	ug/L	8.72	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	0.5 J	2.5 U	0.79 J	0.78 J
Bromomethane (Methyl bromide)	ug/L	13	-	5.0 U	5.0 U	5.0 U	-	-	10 U	-	10 U	5 U	2 U	2.5 U	2 U	2 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	*15*	5.0 U	5 U	5 U	2 U	2.5 U	2 U	2 U
Chlorobenzene	ug/L	136	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	5.0 U	2.3 J	*19*	*11*	*9.6*	*14.8*	*15.2*
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	-	5.0 U	5 U	10 U	10 U	*17*	*11*	2.5 U	*5.3*	*5.6*
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	2 U	2.5 U	2 U	2 U
cis-1,2-Dichloroethene	ug/L	204	5.0 U	4.8 J	5.0 U	*6.2*	-	*14*	*17*	*24*	2.7 J	*45*	*34*	*57*	*92.6*	*96*
Cyclohexane	ug/L	17500	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5 U	*3.4*	*2.5*	-	-
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	*100*	5 U	5 U	2 U	2.5 U	1 U	1 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	*6*	5.0 U	5 U	1.2 J	0.52 J	2.5 U	*1.4*	1.3
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	5.0 U	5.0 U	-	10 U	10 U	-	-	3.4 J	*2.2*	1.6 J	-	-
Methylene chloride	ug/L	119	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	2 U	2.5 U	5 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	*30*	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	-	-	-	-	-	5 U	-	-	5 U	-	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	*20*	5.0 U	*12*	-	*69*	*23*	*110*	*17*	*19*	*27*	*15*	*14.2*	*14.1*
Toluene	ug/L	5240	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	0.69 J	0.68 J
Trichloroethene	ug/L	28.6	5.0 U	*8.8*	5.0 U	*6.5*	-	*18*	*26*	*31*	*5.9*	*28*	*31*	*29*	*24.9*	*24.7*
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	10 U	10 U	-	-	-	-	-	10 U	2 U	2.5 U	-	-
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	-	10 U	10 U	10 U	10 U	2 U	2 U	2.5 U	0.66 J	0.65 J
Xylenes (total)	ug/L	10000	-	5.0 U	5.0 U	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	6 U	7.5 U	3 U	3 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample Name			GW-020707-SAG-301	GW-072507-SYJ-003	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	GW-081310-MLR-206	GW-081310-MLR-207	GW-022211-KDF-106	GW-082311-DJB-106
Sample Date			2/7/2007	7/25/2007	3/5/2008	3/5/2008	9/9/2008	9/9/2008	2/19/2009	9/30/2009	9/30/2009	2/16/2010	8/13/2010	8/13/2010	2/22/2011	8/23/2011
Sample Type						Duplicate		Duplicate			Duplicate			Duplicate		
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	*0.53*	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	0.5 U	-	-	-	-	-	-	-	1.2 U	-	0.50 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	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	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	5.0 U	5.0 U	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	*61*	*80*	*190*	*180*	*290*	*270*	*200*	*170*	*170*	*170*	*64*	*63*	*65*	*50*
1,1-Dichloroethene	ug/L	524	*5.5*	*5.2*	*5.9*	*6.2*	*9.5*	*11*	*6.6*	*7.9*	*7.5*	*7.5*	5.0 U	2.7 J	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	*16*	*16*	*9.4*	*13*	*14*	*21*	*23*	*17*	*32*	*32*	*52*	*62*
1,2-Dichlorobenzene	ug/L	600	*9.2*	*8.7*	*18*	*19*	*21*	*24*	*30*	*30*	*32*	*28*	*34*	*33*	32	*32*
1,2-Dichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	*13*	*13*	*27*	*27*	*31*	*38*	*46*	*58*	*61*	*59*	*72*	*72*	*76*	*73*
1,4-Dichlorobenzene	ug/L	75	*50*	*50*	*120*	*120*	*160*	*190*	*180*	*240*	*260*	*24*	*270*	*290*	*270*	*290*
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	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	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	5.0 U	5.0 U	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	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	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	8.6	*17*	*67*	*65*	*110*	*120*	*87*	*77*	*77*	*91*	*100*	*100*	*90*	*99*
Chloroethane	ug/L	29200	10 U	*13*	*36*	*37*	*60*	*62*	*33*	*19*	*21*	*24*	*9.3 J*	*8.5 J*	*12*	10 U
Chloroform (Trichloromethane)	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	*120*	*53*	*37*	*37*	*24*	*24*	*25*	*24*	*26*	*31*	*20*	*19*	*19*	*13*
Cyclohexane	ug/L	17500	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	2.7 J	2.5 J	5.0 U	5.0 U
Dibromochloromethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	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	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	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	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	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	-	-	-	-
Tetrachloroethene	ug/L	5	*17*	*50*	*72*	*71*	*36*	*42*	*19*	*10*	*12*	*7.5*	*8.5*	*8.4*	*5.9*	*5.8*
Toluene	ug/L	5240	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	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	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	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	*21*	*30*	*24*	*24*	*18*	*20*	*18*	*12*	*13*	*12*	*13*	*13*	*10*	*8.5*
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	*8.3*	*8.8*	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	15 U	5.0 U	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample Name			MW-3	GW-111300-MR-01	W-082603-SLW-02	W-082603-SLW-03	GW-121103-TL-004	WG-070804-SAG-006	WG-070804-SAG-007	GW-060805-CM-101	GW-020707-SAG-302	GW-020707-SAG-303	GW-072607-CRM-207	MW-3	MW-3	MW-3
Sample Date			3/15/1999	11/13/2000	8/26/2003	8/26/2003	12/11/2003	7/8/2004	7/8/2004	6/8/2005	2/7/2007	2/7/2007	7/26/2007	3/5/2008	3/5/2008	9/9/2008
Sample Type									Duplicate			Duplicate			Duplicate	
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	***21***	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ	-	***13.1***	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	1 U	***20***	0.5 U	0.5 U	***6.6***	0.48 U	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	1 U	1 U	***16***	***17***	0.48 U	***6.1***	-	4.8 U	***8.8***	***8.7***	***15***	***13***	***14***	***14***
Aroclor-1248 (PCB-1248)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	-	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	-	-	-
1,1-Dichloroethane	ug/L	4000	***22***	***31 J***	***18***	-	***15***	***21***	***17***	***30.5***	***19***	***19***	***25***	***12***	***-***	***14***
1,1-Dichloroethene	ug/L	524	***5***	***7.5***	3.4 J	-	***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	ug/L	5	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	10 U	***7.5***	5 U	-	0.7 J	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	***12***	***-***	***8.1***
1,2-Dichlorobenzene	ug/L	600	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
1,2-Dichloroethane	ug/L	5	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
1,3-Dichlorobenzene	ug/L	600	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
1,4-Dichlorobenzene	ug/L	75	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-	5.0 U	5.0 U	5.0 U	***19***	***-***	***9.0***
Acetone	ug/L	45600	100 U	20 U	20 U	-	10 U	12 U	10 U	25 U	50 U	50 U	50 U	50 U	-	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	4.8 U	-	-	-	-	-	-
Benzene	ug/L	8.72	2 U	5 U	2.3 J	-	0.8 J	0.85 J	1.5 J	0.8 J	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	10 U	10 U	5 U	-	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	5.0 U	-	-	-
Carbon disulfide	ug/L	4000	10 U	5 U	5 U	-	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Chlorobenzene	ug/L	136	10 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Chloroethane	ug/L	29200	5 U	10 U	10 U	-	2 U	2.5 U	2 U	2 U	10 U	10 U	10 U	10 U	-	10 U
Chloroform (Trichloromethane)	ug/L	100	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	-	2 U	2.5 U	2 U	2 U	10 U	10 U	10 U	10 U	-	10 U
cis-1,2-Dichloroethene	ug/L	204	***14***	***24***	***28***	-	***22***	***30***	***34***	***42.7***	***37***	***38***	***53***	***17***	***-***	***20***
Cyclohexane	ug/L	17500	-	-	5 U	-	2 U	2.5 U	1.2 J	-	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Dibromochloromethane	ug/L	100	10 U	***100***	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Ethylbenzene	ug/L	700	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Isopropyl benzene	ug/L	1050	10 U	-	5 U	-	0.73 J	1.2 J	1.8 J	-	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Methylene chloride	ug/L	119	5 U	5 U	5 U	-	2 U	2.5 U	2 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Naphthalene	ug/L	20	***13***	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5 U	-	5 U	-	-	-	-	-	5.0 U	5.0 U	-	5.0 U	-	5.0 U
Tetrachloroethene	ug/L	5	***69***	***110***	***34***	-	***47***	***61***	***51***	***128***	***98***	***100***	***250***	***93***	-	***110***
Toluene	ug/L	5240	2 U	5 U	5 U	-	2 U	2.5 U	2 U	***1.3***	***8.6***	***8.5***	5.0 U	5.0 U	-	5.0 U
trans-1,2-Dichloroethene	ug/L	161	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U
Trichloroethene	ug/L	28.6	***18***	***31***	***19***	-	***15***	***19***	***16***	***29.1***	***19***	***19***	***55***	***13***	-	***14***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	10 U	-	2 U	2.5 U	2 U	-	10 U	10 U	10 U	-	-	-
Vinyl chloride	ug/L	3.27	10 U	10 U	2 U	-	2 U	2.5 U	2 U	0.55 J	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 U
Xylenes (total)	ug/L	10000	5 U	5 U	5 U	-	6 U	7.5 U	6 U	3 U	15 U	15 U	5.0 U	-	-	-

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4
Sample Name			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	GW-081310-DJB-106	GW-022111-KDF-102	GW-082311-DJB-107	MW-4	GW-111300-MR-04	W-082603-SLW-04	GW-121103-TL-007	WG-070804-SAG-012
Sample Date			9/9/2008	2/19/2009	2/19/2009	9/29/2009	9/29/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	3/17/1999	11/13/2000	8/26/2003	12/11/2003	7/8/2004
Sample Type			Duplicate		Duplicate		Duplicate									
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	*16*	*11*	*10*	*6.7*	*5.9*	*9.1*	*8.4*	*5.8*	*4.5*	1 U	1 U	0.5 U	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	46.6	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	1 U	1 U
1,1-Dichloroethane	ug/L	4000	*13*	*19*	*24*	*8.4*	-	*18*	*10*	*13*	5.0 U	2 U	2.6 J	5 U	0.89 J	*2.5*
1,1-Dichloroethene	ug/L	524	5.0 U	*6.6*	*6.6*	*6.5*	-	*5.5*	3.8 J	5.0 U	5.0 U	2 U	5 U	5 U	0.28 J	1 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	*6.6*	5.0 U	5.0 U	5.0 U	-	*7.1*	*7.7*	5.0 U	5.0 U	10 U	5 U	5 U	1 U	*1.1*
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	1.2 J	5.0 U	5.0 U	10 U	5 U	5 U	1 U	0.34 J
1,2-Dichloroethane	ug/L	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	2 U	5 U	5 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	2.0 J	5.0 U	5.0 U	10 U	5 U	5 U	1 U	0.4 J
1,4-Dichlorobenzene	ug/L	75	*7.9*	*7.9*	*8.3*	5.0 U	-	*11*	*6.1*	5.0 U	*7.9*	10 U	1.8 J	5 U	1 U	0.38 J
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	-	50 U	50 U	50 U	50 U	100 U	20 U	20 U	2.9 J	5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U	1.8 J	1.9 J	*1.3*	*1.8*
Bromomethane (Methyl bromide)	ug/L	13	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U	10 U	5 U	1 U	1 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5 U	5 U	1 U	1 U
Chlorobenzene	ug/L	136	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	1.1 J	5.0 U	5.0 U	10 U	5 U	5 U	1 U	1 U
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	5 U	10 U	10 U	1 U	1 U
Chloroform (Trichloromethane)	ug/L	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	2 U	5 U	5 U	1 U	1 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U
cis-1,2-Dichloroethene	ug/L	204	*19*	*35*	*36*	*17*	-	*48*	*24*	*33*	*11*	*3*	4.3 J	5 U	0.94 J	*3.5*
Cyclohexane	ug/L	17500	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 U	1 U	1 U
Dibromochloromethane	ug/L	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	10 U	3.9 J	5 U	1 U	1 U
Ethylbenzene	ug/L	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	2 U	5 U	5 U	1 U	1 U
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	10 U	-	5 U	1 U	1 U
Methylene chloride	ug/L	119	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 U	5 U	5 U	1 U	1 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	-	-	-	5 U	-	5 U	-	-
Tetrachloroethene	ug/L	5	*93*	*120*	*160*	*48*	-	*120*	*120*	*110*	*37*	2 U	4 J	5 U	0.39 J	*2.3*
Toluene	ug/L	5240	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	1 U	0.22 J
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	1 U	1 U
Trichloroethene	ug/L	28.6	*13*	*20*	*25*	*12*	-	*25*	*23*	*20*	*10*	2 U	3.2 J	5 U	0.33 J	*1.3*
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	-	-	10 U	10 U	10 U	-	-	10 U	1 U	1 U
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	-	2.0 U	2.0 U	2.0 U	2.0 U	10 U	10 U	2 U	1 U	1 U
Xylenes (total)	ug/L	10000	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	3 U	3 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
Sample Name			GW-060805-SAG-02	GW-060805-SAG-03	MW-4	GW-020807-DJB-106	MW-4	MW-4	MW-4	MW-4	MW-4	GW-022211-CRM-007	GW-082311-EAH-106	GW-111400-MR-07	W-082603-SLW-06	GW-121103-TL-001
Sample Date			6/8/2005	6/8/2005	2/7/2007	2/8/2007	3/5/2008	9/10/2008	2/20/2009	9/30/2009	2/17/2010	2/22/2011	8/23/2011	11/14/2000	8/26/2003	12/11/2003
Sample Type				Duplicate												
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	1 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	5 U	5 U	1 U
1,1,2-Trichloroethane	ug/L	46.6	1 U	-	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5 U	5 U	1 U
1,1-Dichloroethane	ug/L	4000	***5.2***	-	5.0 U	5.0 U	***14***	***5.0***	***15***	5.0 U	***15***	***10***	5.0 U	***120 J***	***63***	***1.7***
1,1-Dichloroethene	ug/L	524	***1.6***	-	5.0 U	5.0 U	5.0 U	5.0 U	***5.4***	5.0 U	***5.9***	5.0 U	5.0 U	***22***	***9.6***	0.93 J
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	-	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 U	5 U	1 U
1,2-Dichlorobenzene	ug/L	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 U	5 U	1 U
1,2-Dichloroethane	ug/L	5	1 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	5 U	5 U	1 U
1,3-Dichlorobenzene	ug/L	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 U	5 U	1 U
1,4-Dichlorobenzene	ug/L	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	5.0 U	5 U	5 U	1 U
Acetone	ug/L	45600	25 U	-	50 U	50 U	50 U	50 U	50 U	***82***	50 U	50 U	50 U	20 U	20 U	5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	***1.4***	-	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 U	5 U	0.2 J
Bromomethane (Methyl bromide)	ug/L	13	2 U	-	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	10 U	5 U	1 U
Carbon disulfide	ug/L	4000	2 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	5 U	5 U	1 U
Chlorobenzene	ug/L	136	1 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	5 U	5 U	1 U
Chloroethane	ug/L	29200	1 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U
Chloroform (Trichloromethane)	ug/L	100	1 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	5 U	5 U	1 U
Chloromethane (Methyl chloride)	ug/L	263	2 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	ug/L	204	***7.5***	-	***5.9***	***5.9***	***14***	***5.2***	***18***	***5.0 U***	***20***	***15***	5.0 U	***63***	***43***	***3.3***
Cyclohexane	ug/L	17500	-	-	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 U	1 U
Dibromochloromethane	ug/L	100	1 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	5 U	5 U	1 U
Ethylbenzene	ug/L	700	1 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	5 U	5 U	1 U
Isopropyl benzene	ug/L	1050	-	-	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 U	1 U
Methylene chloride	ug/L	119	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	5.0 U	5 U	5 U	1 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5 U	-
Tetrachloroethene	ug/L	5	***3.6***	-	5.0 U	5.0 U	***14***	5.0 U	***7.3***	5.0 U	***5.2***	5.0 U	5.0 U	5 U	5 U	***20***
Toluene	ug/L	5240	0.63 J	-	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 U	5 U	1 U
trans-1,2-Dichloroethene	ug/L	161	1 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	5 U	5 U	1 U
Trichloroethene	ug/L	28.6	***3***	-	5.0 U	5.0 U	***5.1***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J	1.4 J	***7.5***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	10 U	-	-	-	-	-	10 U	10 U	-	10 U	1 U
Vinyl chloride	ug/L	3.27	1 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	10 U	2 U	1 U
Xylenes (total)	ug/L	10000	3 U	-	15 U	-	-	-	-	-	-	5.0 U	5.0 U	5 U	5 U	3 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-6*	*MW-6*
Sample Name			*WG-070704-SAG-001*	*GW-060805-SAG-01*	*GW-020707-DJB-102*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*GW-081210-DJB-103*	*GW-022111-KDF-101*	*GW-082311-DJB-104*	*GW-111400-MR-09*	*GW-091701-DJB-005*
Sample Date			*7/7/2004*	*6/8/2005*	*2/7/2007*	*2/7/2007*	*3/6/2008*	*9/9/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/23/2011*	*11/14/2000*	*9/17/2001*
Sample Type																
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.48 UJ	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.48 U	-	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.48 UJ	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	1.7 U	1 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	5 U	1 U
1,1,2-Trichloroethane	ug/L	46.6	1.7 U	1 U	5.0 U	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	1 U
1,1-Dichloroethane	ug/L	4000	***46***	***98.6***	***89***	-	***96***	***46***	***29***	***18***	***10***	***5.0***	5.0 U	5.0 U	16 J	27 J
1,1-Dichloroethene	ug/L	524	***6.2***	***29.9***	***26***	-	***26***	***17***	***8.6***	***8.5***	***5.0 U***	2.8 J	5.0 U	5.0 U	3.8 J	***6.4***
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1 U
1,2,4-Trichlorobenzene	ug/L	70	2.6	-	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 U	1 U
1,2-Dichlorobenzene	ug/L	600	1.7 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	5 U	0.45 J
1,2-Dichloroethane	ug/L	5	1.7 U	1 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	5 U	1 U
1,3-Dichlorobenzene	ug/L	600	1.7 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	5 U	1 U
1,4-Dichlorobenzene	ug/L	75	1.7 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	5 U	1 U
Acetone	ug/L	45600	8.4 U	25 U	50 U	-	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	10 UJ
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.5 U	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	1.7 U	1 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	5 U	1 U
Bromomethane (Methyl bromide)	ug/L	13	1.7 U	2 U	5.0 U	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U	1 U
Carbon disulfide	ug/L	4000	1.7 U	2 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	5 U	1 U
Chlorobenzene	ug/L	136	1.7 U	1 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	5 U	1 U
Chloroethane	ug/L	29200	1.7 U	2 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.9 J
Chloroform (Trichloromethane)	ug/L	100	1.7 U	1 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	5 U	1 U
Chloromethane (Methyl chloride)	ug/L	263	1.7 U	2 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.71 J
cis-1,2-Dichloroethene	ug/L	204	***34***	***61.9***	***62***	-	***58***	***26***	***20***	***12***	***9.8***	***5.2***	5.0 U	5.0 U	***9.5***	***16***
Cyclohexane	ug/L	17500	1.7 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	ug/L	100	1.7 U	1 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	5 U	1 U
Ethylbenzene	ug/L	700	1.7 U	1 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	5 U	1 U
Isopropyl benzene	ug/L	1050	1.7 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 U
Methylene chloride	ug/L	119	1.7 U	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	5.0 U	5 U	2 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1 UJ
o-Xylene	ug/L	10000	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-
Tetrachloroethene	ug/L	5	1.7 U	1 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	5 U	1 U
Toluene	ug/L	5240	1.7 U	1 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	5 U	1 U
trans-1,2-Dichloroethene	ug/L	161	1.7 U	1 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	5 U	1 U
Trichloroethene	ug/L	28.6	1.1 J	***3.6***	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 U	***1.2***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	1.7 U	-	10 U	-	-	-	-	-	-	10 U	10 U	10 U	-	-
Vinyl chloride	ug/L	3.27	1.7 U	0.62 J	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	10 U	2 U
Xylenes (total)	ug/L	10000	5 U	3 U	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	3 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*
Sample Name			*W-082703-SLW-07*	*GW-121103-TL-006*	*WG-070804-SAG-008*	*GW-060905-CM-105*	*GW-020807-SAG-304*	*GW-072607-SYJ-004*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*GW-081210-MLR-205*	*GW-022211-CRM-009*	*GW-082211-DJB-102*	
Sample Date			*8/27/2003*	*12/11/2003*	*7/8/2004*	*6/9/2005*	*2/8/2007*	*7/26/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/22/2011*	*8/22/2011*
Sample Type																
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	5 U	1 U	1 U	1 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	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	5 U	1 U	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	***36***	***31***	***26***	***59.4***	***48***	***29***	***53***	***26***	***29***	***18***	***17***	***16***	***9.3***	***8.3***
1,1-Dichloroethene	ug/L	524	***7.8***	***7.9***	***5.8***	***15.9***	***13***	***8.1***	***16***	***6.2***	***9.0***	***8.4***	***5.0***	***7.4***	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.5 J	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	5 U	0.2 J	1 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	5.0 U
1,2-Dichloroethane	ug/L	5	5 U	0.11 J	1 U	1 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	5.0 U
1,3-Dichlorobenzene	ug/L	600	5 U	1 U	1 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	5.0 U
1,4-Dichlorobenzene	ug/L	75	5 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U
Acetone	ug/L	45600	20 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5 U	1 U	1 U	1 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	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	5 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	5 U	1 U	1 U	2 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	5.0 U
Chlorobenzene	ug/L	136	5 U	1 U	1 U	1 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	5.0 U
Chloroethane	ug/L	29200	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.7 J	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5 U	1 U	1 U	1 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	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	***25***	***25***	***19***	***39.6***	***37***	***19***	***55***	***17***	***55***	***47***	***40***	***45***	***33***	***28***
Cyclohexane	ug/L	17500	5 U	1 U	1 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	5.0 U
Dibromochloromethane	ug/L	100	5 U	1 U	1 U	1 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	5.0 U
Ethylbenzene	ug/L	700	5 U	1 U	1 U	1 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	5.0 U
Isopropyl benzene	ug/L	1050	5 U	1 U	1 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	5.0 U
Methylene chloride	ug/L	119	5 U	1 U	1 U	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	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5 U	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Tetrachloroethene	ug/L	5	5 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***6.6***	5.0 U	5.0 U
Toluene	ug/L	5240	5 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5 U	1 U	1 U	1 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	5.0 U
Trichloroethene	ug/L	28.6	5 U	0.64 J	0.49 J	0.75 J	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
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	1 U	1 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U
Vinyl chloride	ug/L	3.27	2 U	0.22 J	1 U	1 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	2.0 U
Xylenes (total)	ug/L	10000	5 U	3 U	3 U	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-6*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*
Sample Name			*GW-082211-DJB-103*	*GW-111300-MR-02*	*GW-111300-MR-03*	*GW-091701-DJB-001*	*GW-091701-DJB-002*	*W-082703-SLW-08*	*GW-121203-TL-008*	*GW-121203-TL-010*	*WG-070704-SAG-003*	*GW-060905-DJB-004*	*GW-020807-SAG-308*	*GW-072507-SYJ-001*	*MW-7*	*MW-7*
Sample Date			*8/22/2011*	*11/13/2000*	*11/13/2000*	*9/17/2001*	*9/17/2001*	*8/27/2003*	*12/12/2003*	*12/12/2003*	*7/7/2004*	*6/9/2005*	*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/9/2008*
Sample Type			*Duplicate*		*Duplicate*		*Duplicate*			*Duplicate*						
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	***1.3***	1 U	5.0 U	5.0 U	-	-
1,1-Dichloroethane	ug/L	4000	***8.7***	***20 J***	***21 J***	***35 J***	-	***9.4***	***1.6***	***2***	***3.2***	***1.9***	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	524	5.0 U	15 U	3.2 J	***4.9***	-	1.1 J	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	1 U	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	***520***	***480***	***330***	-	***110***	***4***	***4.7***	***15***	-	5.0 U	5.0 U	***33***	5.0 U
1,2-Dichlorobenzene	ug/L	600	5.0 U	***19***	***20***	***15***	-	***6.5***	***1.2***	***1.3***	***2.1***	-	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	5.0 U	15 U	5 U	0.53 J	-	5 U	1 U	1 U	0.32 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	8.8 J	***9.9***	***8.3***	-	3 J	0.92 J	***1***	***1***	-	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	***52***	***53***	***48***	-	***27***	***6.6***	***7.4***	***7.3***	-	5.0 U	5.0 U	***7.0***	5.0 U
Acetone	ug/L	45600	50 U	60 U	20 U	10 UJ	-	20 U	5 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	15 U	4.3 J	***4.5***	-	1.1 J	1 U	1 U	0.36 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	5.0 U	30 U	10 U	1 U	-	5 U	1 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-
Carbon disulfide	ug/L	4000	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	5.0 U	***40***	***41***	***50***	-	***20***	***3.5***	***3.9***	***6***	0.58 J	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	29200	10 U	30 U	10 U	2 UJ	-	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	15 U	5 U	0.27 J	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	30 U	10 U	0.82 J	-	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	***29***	***9.1 J***	***9.4***	***12***	-	2.9 J	0.65 J	0.47 J	0.92 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	17500	5.0 U	-	-	-	-	5 U	1 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	***12 J***	***14***	1 U	-	5 U	1 U	1 U	***1.5***	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	5.0 U	-	-	2.3	-	5 U	1 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	5.0 U	15 U	5 U	2 U	-	5 U	1 U	1 U	1 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	***16 J***	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	-	-	5 U	-	-	-	-	5.0 U	-	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	5.0 U	***14 J***	***14***	***23***	-	***6.1***	0.25 J	0.3 J	***1.8***	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5240	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5.0 U	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	5.0 U	15	***16***	***22***	-	4.8 J	0.31 J	0.22 J	***1.4***	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	-	-	-	-	10 U	1 U	1 U	1 U	-	10 U	10 U	-	-
Vinyl chloride	ug/L	3.27	2.0 U	30 U	10 U	2 U	-	2 U	1 U	1 U	1 U	1 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	5.0 U	15 U	2.1 J	1.6 J	-	5 U	3 U	3 U	3 U	3 U	15 U	5.0 U	-	-

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Sample Name			MW-7	MW-7	MW-7	GW-081210-DJB-101	GW-022111-CRM-003	GW-022111-CRM-004	GW-082311-EAH-104	GW-091701-DJB-003	GW-091701-DJB-004	W-082703-SLW-09	GW-121203-TL-011	WG-070704-SAG-004	GW-060905-DJB-005	GW-020807-SAG-307
Sample Date			2/19/2009	9/30/2009	2/17/2010	8/12/2010	2/21/2011	2/21/2011	8/23/2011	9/17/2001	9/17/2001	8/27/2003	12/12/2003	7/7/2004	6/9/2005	2/8/2007
Sample Type								Duplicate			Duplicate					
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	1.4	0.5 U	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	11	14	4.8 J	23	25	3.9	5.0 U
1,1-Dichloroethene	ug/L	524	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2	1.6 J	1 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	7.1 U	10 U	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	160	170	48	250	63	-	130
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	13	13	3.1 J	7.4	8.4	-	11
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	11	11	3.5 J	8.7	11	-	26
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	57	57	13	35	41	-	95
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	71 UJ	29 J	20 U	10 U	15 U	25 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	11	13	20	11	9.1	3.1	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 U	5.0 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 U	5.0 U
Chlorobenzene	ug/L	136	5.0 U	5.0 U	5.0 U	0.29 J	5.0 U	5.0 U	5.0 U	45	50	15	37	39	15.9	39
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U	20 U	10 U	2 U	3 U	2 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U	20 U	10 U	2 U	3 U	2 U	10 U
cis-1,2-Dichloroethene	ug/L	204	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10	13	1.9 J	7.4	7	1.4	5.0 U
Cyclohexane	ug/L	17500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	5 U	2 U	3 U	-	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	2.5 J	5 U	2.6	3.2	1 U	5.0 U
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	2.2 J	6.7	1.9 J	1.4 J	-	5.0 U
Methylene chloride	ug/L	119	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	14 U	20 U	5 U	2 U	3 U	5 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	48	35	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	5 U	-	-	-	5.0 U
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.4	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	3.5	3.5	1.2	5.0 U
Toluene	ug/L	5240	5.0 U	5.0 U	5.0 U	4.5 J	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	0.42 J	3 U	1 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	2.9 J	1.2 J	6.4	6	1.3	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	10 U	10 U	10 U	10 U	-	-	10 U	2 U	3 U	-	10 U
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	14 U	20 U	2 U	2 U	3 U	1 U	2.0 U
Xylenes (total)	ug/L	10000	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	21 U	30 U	5 U	2.2 J	1.7 J	3 U	-

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-9*	*MW-9*	*MW-9*	*MW-9*
Sample Name			*MW-8*	*GW-072507-SYJ-002*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*GW-081210-MLR-202*	*GW-022111-CRM-002*	*GW-082211-EAH-102*	*GW-091701-DJB-006*	*GW-121203-TL-012*	*WG-070804-SAG-009*	*GW-060905-CM-107*
Sample Date			*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/22/2011*	*9/17/2001*	*12/12/2003*	*7/8/2004*	*6/9/2005*
Sample Type																
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	1.8
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	-	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	2 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	46.6	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	4000	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.48 J	5.0 U	5.0 U	***6.3***	***4.6***	***3.4***	1.1
1,1-Dichloroethene	ug/L	524	-	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	2 U	0.23 J	1 U	1 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	2 U	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	***63***	***190***	***140***	***130***	***120***	***17***	***63***	***97***	***30***	***49***	***37***	***14***	-
1,2-Dichlorobenzene	ug/L	600	-	***8.8***	14	***12***	***14***	***11***	***11***	***12***	***13***	***5.9***	***6.4***	***4***	***3.2***	-
1,2-Dichloroethane	ug/L	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	2 U	1 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	600	-	***21***	***43***	***39***	***44***	***50***	***7.8***	***54***	***62***	***28***	***4.1***	***4***	***2.5***	-
1,4-Dichlorobenzene	ug/L	75	-	***83***	***170***	***180***	***170***	***220***	***35***	***240***	***250***	***140***	***25***	***18***	***11***	-
Acetone	ug/L	45600	-	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	***13 J***	5 U	5 U	***5.3 J***
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	-	5.0 U	5.0 U	***5.7***	***6.5***	***5.3***	5.0 U	***8.6***	5.0 U	5.0 U	2 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/L	13	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	2 U
Carbon disulfide	ug/L	4000	-	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	2 U	1 U	1 U	2 U
Chlorobenzene	ug/L	136	-	***39***	***38***	***39***	***40***	***31***	5.0 U	***38***	***33***	***23***	***10***	***4.6***	***3.7***	1 U
Chloroethane	ug/L	29200	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 U	1 U	1 U	2 U
Chloroform (Trichloromethane)	ug/L	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	2 U	1 U	1 U	1 U
Chloromethane (Methyl chloride)	ug/L	263	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	1 U	1 U	2 U
cis-1,2-Dichloroethene	ug/L	204	-	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	0.75 J	***1***	0.8 J	1 U
Cyclohexane	ug/L	17500	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	-	1 U	1 U	-
Dibromochloromethane	ug/L	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	2 U	1 U	1 U	1 U
Ethylbenzene	ug/L	700	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.65 J	5.0 U	5.0 U	2 U	1 U	1 U	1 U
Isopropyl benzene	ug/L	1050	-	5.0 U	5.0 U	5.0 U	5.0 U	***5.9***	5.0 U	***5.6***	5.0 U	5.0 U	2 U	1 U	1 U	-
Methylene chloride	ug/L	119	-	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	4 U	1 U	1 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	2 U	-	-	-
o-Xylene	ug/L	10000	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	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	2 U	0.9 J	0.38 J	1 U
Toluene	ug/L	5240	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	2 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	161	-	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	2 U	1 U	1 U	1 U
Trichloroethene	ug/L	28.6	-	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	2 U	0.88 J	0.56 J	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	-	-	-	-	-	10 U	10 U	10 U	-	1 U	1 U	-
Vinyl chloride	ug/L	3.27	-	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	4 U	1 U	1 U	1 U
Xylenes (total)	ug/L	10000	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	6 U	3 U	3 U	3 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-10*	*MW-10*	*MW-10*	*MW-10*
Sample Name			*GW-020807-DJB-104*	*GW-072507-CRM-201*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*GW-081210-MLR-201*	*GW-022111-CRM-001*	*GW-082211-DJB-101*	*W-082703-SLW-10*	*W-082703-SLW-20*	*GW-121103-TL-005*	*WG-070804-SAG-011*
Sample Date			*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/22/2011*	*8/27/2003*	*8/27/2003*	*12/11/2003*	*7/8/2004*
Sample Type														*Duplicate*		
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	0.48 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	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	5 U	5 U	10 U	3 U
1,1,2-Trichloroethane	ug/L	46.6	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.6 J	5.0 U	5.0 U	5 U	5 U	***30***	1.9 J
1,1-Dichloroethene	ug/L	524	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	5 U	5 U	10 U	3 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***8.0***	5.0 U	***7.3***	5.0 U	5.0 U	***7.5***	5.0 U	1.8 J	5.0 U	5.0 U	5 U	5 U	***170***	3 U
1,2-Dichlorobenzene	ug/L	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	5 U	5 U	9.1 J	3 U
1,2-Dichloroethane	ug/L	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	5 U	5 U	10 U	3 U
1,3-Dichlorobenzene	ug/L	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	5 U	5 U	9.9 J	3 U
1,4-Dichlorobenzene	ug/L	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	5.0 U	5.0 U	4.3 J	4.3 J	***42***	2.9 J
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	20 U	50 U	15 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	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	***17***	***17***	***15***	***9.2***
Bromomethane (Methyl bromide)	ug/L	13	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U
Carbon disulfide	ug/L	4000	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	5 U	5 U	10 U	3 U
Chlorobenzene	ug/L	136	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	***38***	***38***	***45***	***31***
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 U
Chloroform (Trichloromethane)	ug/L	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	5 U	5 U	10 U	3 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 U
cis-1,2-Dichloroethene	ug/L	204	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	1.5 J	1.4 J	10	1.8 J
Cyclohexane	ug/L	17500	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	***13***	***13***	10 U	***3.6***
Dibromochloromethane	ug/L	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	5 U	5 U	10 U	3 U
Ethylbenzene	ug/L	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	***140***	***130***	2.9 J	***85***
Isopropyl benzene	ug/L	1050	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	***30***	***31***	10 U	***14***
Methylene chloride	ug/L	119	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	5 U	5 U	10 U	3 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5 U	5 U	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***5.5***	5.0 U	5.0 U	5 U	5 U	***6 J***	3 U
Toluene	ug/L	5240	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.1 J	5.0 U	5.0 U	5 U	5 U	10 U	3 U
trans-1,2-Dichloroethene	ug/L	161	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	5 U	5 U	10 U	3 U
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.1 J	5.0 U	5.0 U	5 U	5 U	7.1 J	3 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	10 U	3 U
Vinyl chloride	ug/L	3.27	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	2 U	2 U	10 U	3 U
Xylenes (total)	ug/L	10000	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	30 U	***15***

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-11*	*MW-11*	*MW-11*
Sample Name			*GW-060805-CM-102*	*GW-020807-DJB-105*	*GW-072607-CRM-208*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*GW-081210-DJB-102*	*GW-022211-KDF-105*	*GW-082311-EAH-105*	*W-102703-SLW-01*	*GW-121203-TL-009*	*WG-070804-SAG-010*
Sample Date			*6/8/2005*	*2/8/2007*	*7/26/2007*	*3/5/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/16/2010*	*8/12/2010*	*2/22/2011*	*8/23/2011*	*10/27/2003*	*12/12/2003*	*7/8/2004*
Sample Type																
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.50 U	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-	0.5 U	0.48 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	1 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	5.0 U	5 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	46.6	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U
1,1-Dichloroethane	ug/L	4000	2.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.83 J	5.0 U	5.0 U	5 U	1 U	1 U
1,1-Dichloroethene	ug/L	524	1 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	5.0 U	5 U	1 U	1 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***26***	5.0 U	5 U	1 U	***3.8***
1,2-Dichlorobenzene	ug/L	600	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.1 J	5.0 U	5.0 U	5 U	***3.3***	***7***
1,2-Dichloroethane	ug/L	5	1 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	5.0 U	5 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	600	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.3 J	5.0 U	5.0 U	5 U	1 U	1 U
1,4-Dichlorobenzene	ug/L	75	-	***7.4***	***8.2***	***11***	***17***	***15***	***14***	***14***	***16***	***12***	***20***	5 U	1 U	0.36 J
Acetone	ug/L	45600	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	5 U	5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.48 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	***9.4***	***5.6***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.77 J	5.0 U	5.0 U	5 U	0.56 J	0.82 J
Bromomethane (Methyl bromide)	ug/L	13	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U
Carbon disulfide	ug/L	4000	2 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	5.0 U	5 U	1 U	1 U
Chlorobenzene	ug/L	136	***31.9***	***19***	***13***	***7.6***	***5.0 U***	***6.6***	***8.5***	***8.8***	3.1 J	5.0 U	5.0 U	5 U	***2.4***	***3.5***
Chloroethane	ug/L	29200	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U
Chloroform (Trichloromethane)	ug/L	100	1 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	5.0 U	5 U	1 U	0.27 J
Chloromethane (Methyl chloride)	ug/L	263	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U
cis-1,2-Dichloroethene	ug/L	204	***1.9***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.2 J	5.0 U	5.0 U	5 U	0.47 J	1 U
Cyclohexane	ug/L	17500	-	***15***	***13***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***10.0***	5.0 U	***9.6***	5 U	1 U	1 U
Dibromochloromethane	ug/L	100	1 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	5.0 U	5 U	1 U	1 U
Ethylbenzene	ug/L	700	***108***	***110***	***130***	***76***	***68***	***54***	***49***	***49***	***38***	***24***	***12***	5 U	1 U	1 U
Isopropyl benzene	ug/L	1050	-	***31***	***32***	***22***	***29***	***28***	***24***	***27***	***28***	***18***	***20***	5 U	1 U	1 U
Methylene chloride	ug/L	119	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	5.0 U	5.0 U	5 U	1 U	1 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5.0 U	-	***5.9***	***5.5***	***6.1***	***7.0***	5.0 U	-	-	-	5 U	-	-
Tetrachloroethene	ug/L	5	1 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	5.0 U	5 U	1 U	1 U
Toluene	ug/L	5240	0.97 J	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	5 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	161	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	5 U	1 U	1 U
Trichloroethene	ug/L	28.6	1 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	5.0 U	5 U	1 U	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	1 U	1 U
Vinyl chloride	ug/L	3.27	1 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	2.0 U	2 U	1 U	1 U
Xylenes (total)	ug/L	10000	***17.1***	15 U	***28***	-	-	-	-	-	***11***	5.0 U	5.0 U	5 U	3 U	3 U

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-12*	*MW-12*	*MW-12*
Sample Name			*GW-060905-CM-106*	*GW-020807-DJB-103*	*GW-072507-CRM-202*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*GW-081210-MLR-203*	*GW-022111-CRM-005*	*GW-082211-EAH-101*	*GW-020707-DJB-101*	*GW-072507-CRM-206*	*MW-12*
Sample Date			*6/9/2005*	*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/22/2011*	*2/7/2007*	*7/25/2007*	*3/6/2008*
Sample Type																
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	***5.2***
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	1 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	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	1 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	ug/L	4000	1 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	5.0 U	***44***	***41***	***47***
1,1-Dichloroethene	ug/L	524	1 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	5.0 U	***16***	***19***	***14***
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	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	***6.1***	***57***	***480***
1,2-Dichlorobenzene	ug/L	600	-	5.0 U	***5.3***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	1 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	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	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	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	-	5.0 U	5.0 U	5.0 U	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	5.0 U
Acetone	ug/L	45600	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	1 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	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Carbon disulfide	ug/L	4000	2 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	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	***3.2***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.6 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	29200	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	***1.3***	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	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	1 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	5.0 U	***65***	***56***	***51***
Cyclohexane	ug/L	17500	-	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	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	1 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	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	1 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	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	-	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	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	-	5.0 U
Tetrachloroethene	ug/L	5	1 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	5.0 U	***250***	***260***	***300***
Toluene	ug/L	5240	1 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	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	1 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	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	1 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	5.0 U	***56***	***76***	***66***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	-
Vinyl chloride	ug/L	3.27	1 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	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	5.0 U	-

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12D	MW-12D	MW-12D	MW-13	MW-13	MW-13	RW-1
Sample Name			MW-12	MW-12	MW-12	MW-12	GW-081310-MLR-208	GW-022111-KDF-104	GW-082311-EAH-107	GW-081310-MLR-209	GW-022211-KDF-107	GW-082311-EAH-108	GW-081210-MLR-204	GW-022211-CRM-008	GW-082211-EAH-103	RW-1
Sample Date			9/9/2008	2/19/2009	9/30/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	8/13/2010	2/22/2011	8/23/2011	8/12/2010	2/22/2011	8/22/2011	3/5/2008
Sample Type																
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	12	19	0.50 U	3.5	6.5	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	7.4	4.4	4.2	1.2 U	0.50 U	8.1	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	11
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	4.9
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	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	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.6	-	-	-	-	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	ug/L	4000	39	25	28	14	19	13	5.0 U	18	17	17	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	524	15	7.2	11	5.0 U	9.2	5.0 U	5.0 U	9.6	6.0	6.4	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.5	26	480	38	730	710	710	260	370	210	5.0 U	5.0 U	5.0 U	10
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	1.8 J	5.0 U	5.0 U	1.8 J	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	5.0 U	5.0 U	0.81 J	5.0 U	5.0 U	3.9 J	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	7.3	9.4	5.4	8.7	6.9	5.1	2.6 J	5.1	5.0 U	21	13	6.8	8.4
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	5.0 U	5.0 U	5.0 U	0.53 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	19	22	31	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	-	-	-	-	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	-
Carbon disulfide	ug/L	4000	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	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	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	38	28	25	5.0 U
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.2 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	48	38	48	32	41	33	8.9	38	44	33	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	17500	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	8.6	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	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	7.8	9.2	11	5.0 U
Isopropyl benzene	ug/L	1050	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	19	15	14	5.0 U
Methylene chloride	ug/L	119	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	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-	5.0 U
Tetrachloroethene	ug/L	5	200	170	220	140	280	220	130	220	230	170	5.0 U	5.0 U	5.0 U	16
Toluene	ug/L	5240	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	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	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	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	37	32	49	28	55	40	14	58	59	48	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-
Vinyl chloride	ug/L	3.27	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	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.6	5.2	5.0 U	-

Notes:

TABLE 3.4B

HISTORICAL REGULATED COCs IN GROUNDWATER - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*RW-1*	*B-40*	*B-42*	*B-44*	*B-50*
Sample Name			*RW-1*	*RW-1*	*RW-1*	*RW-1*	*GW-081210-DJB-104*	*GW-022111-KDF-103*	*GW-082311-DJB-108*	*GW-060603-DB-04*	*GW-060603-DB-01*	*GW-060603-DB-03*	*GW-060603-DB-02*
Sample Date			*9/9/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/23/2011*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*
Sample Type													
	Units	Type 4 RRS											
Polychlorinated Biphenyls													
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U	1 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U	1 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	*4.3 J*	*66 J*	1 U	*11 J*
Aroclor-1242 (PCB-1242)	ug/L	0.5	*11*	*7.0*	*8.3*	*6.0*	*14*	*3.8*	*5.7*	1 U	1 U	1 U	1 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	*3.8*	0.5 U	*3.6*	*2.5*	*2.7*	*2.1*	*3.2*	1 U	1 U	1 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	*2.9*	0.5 U	0.5 U	*1.2*	*0.68*	0.50 U	1 U	*6.3 J*	1 U	1 U
Polycyclic Aromatic Hydrocarbons (PAH)													
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds													
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,1,2-Trichloroethane	ug/L	46.6	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethane	ug/L	4000	*10*	5.0 U	5.0 U	5.0 U	1.9 J	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethene	ug/L	524	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	ug/L	5	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	*5.0*	5.0 U	*19*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	*7.3*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	*6.9*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	*29*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Bromomethane (Methyl bromide)	ug/L	13	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	1.9 J	5.0 U	5.0 U	-	-	-	-
Chlorobenzene	ug/L	136	5.0 U	5.0 U	*6.2*	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-
cis-1,2-Dichloroethene	ug/L	204	*12*	5.0 U	5.0 U	5.0 U	2.4 J	5.0 U	5.0 U	-	-	-	-
Cyclohexane	ug/L	17500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Methylene chloride	ug/L	119	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	*55*	5.0 U	*9.8*	*9.3*	*10*	5.0 U	*9.4*	-	-	-	-
Toluene	ug/L	5240	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Trichloroethene	ug/L	28.6	*8.7*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	10 U	10 U	-	-	-	-
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-	-	-	-
Xylenes (total)	ug/L	10000	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-

Notes:

Table 3.5

HISTORICAL REGULATED COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Upstream surface water sample locations																Upstre
Location Name			*EPA-03A*	*EPA-04A*	*WS-3*	*WS-3*	*WS-3*	*WS-2C*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*
Sample Name			*3A*	*4A*	*SW-111400-SLW-03*	*W-012003-SLW-102*	*W-060603-SLW-011*	*W-042903-SLW-01*	*W-081803-SLW-03*	*WS-121203-SLW-02*	*WS-3*	*WS-070704-SLW-02*	*GW-060905-DJB-007*	*SW-020707-DJB-001*	*SW-072507-CRM-205*	*WS-3*	*WS-3*	*WS-3*	*WS-3*
Sample Date			*7/8/1993*	*7/8/1993*	*11/14/2000*	*1/20/2003*	*6/6/2003*	*4/29/2003*	*8/18/2003*	*12/12/2003*	*4/1/2004*	*7/7/2004*	*6/9/2005*	*2/7/2007*	*7/25/2007*	*3/5/2008*	*9/9/2008*	*2/19/2009*	*9/29/2009*
Sample Type																			
	Units	ISWQS[1]																	
Polychlorinated Biphenyls																			
Aroclor-1016 (PCB-1016)	ug/L	0.000064	6.4 U	2.5 U	1 U	-	1 U	1 U	-	-	5.0 U	-	-	-	-	-	-	0.5 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.000064	6.4 U	2.5 U	1 U	-	1 U	1 U	-	-	5.0 U	-	-	-	-	-	-	0.5 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.000064	6.4 U	2.5 U	1 U	-	1 U	1 U	-	-	5.0 U	-	-	-	-	-	-	0.5 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.000064	6.4 U	2.5 U	1 U	-	1 U	***90***	-	-	5.0 U	-	-	-	-	-	-	0.5 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.000064	6.4 U	2.5 U	1 U	-	1 U	1 U	-	-	5.0 U	-	-	-	-	-	-	0.5 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.000064	11 U	11 U	1 U	-	1 U	***110***	-	-	5.0 U	-	-	-	-	-	-	0.5 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.000064	11 U	11 U	1 U	-	1 U	***72***	-	-	5.0 U	-	-	-	-	-	-	0.5 U	-
Volitile Organic Compounds																			
1,1,2-Trichloroethane	ug/L	16	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	1 U	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethene	ug/L	7100	-	-	5 U	1.6 J	-	-	1.9 J	1 U	5.0 U	1 U	***1.4***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	ug/L	70	-	-	5 U	5 U	-	-	-	1 U	5.0 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	1300	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	-	5.0 U	5.0 U	-	-	-	-
1,2-Dichloroethane	ug/L	37	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	1 U	5.0 U	5.0 U	-	-	-	-
1,3-Dichlorobenzene	ug/L	960	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	-	5.0 U	5.0 U	-	-	-	-
1,4-Dichlorobenzene	ug/L	190	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	-	5.0 U	5.0 U	-	-	-	-
Benzene	ug/L	51	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	1 U	5.0 U	5.0 U	-	-	-	-
Bromomethane (Methyl bromide)	ug/L	1500	-	-	10 U	5 U	-	-	5 U	1 U	-	1 U	2 U	5.0 U	5.0 U	-	-	-	-
Chlorobenzene	ug/L	1600	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	1 U	5.0 U	5.0 U	-	-	-	-
Chloroform (Trichloromethane)	ug/L	470	-	-	5 U	5 U	-	-	5 U	1 U	5.0 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	17	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	1 U	5.0 U	5.0 U	-	-	-	-
Ethylbenzene	ug/L	2100	-	-	5 U	5 U	-	-	5 U	1 U	-	1 U	1 U	5.0 U	5.0 U	-	-	-	-
Methylene chloride	ug/L	590	-	-	5 U	50 U	-	-	5 U	1 U	-	1 U	5 U	5.0 U	5.0 U	-	-	-	-
Tetrachloroethene	ug/L	3.3	-	-	***8.1***	***30***	-	-	***20***	***5.9***	***10***	***15***	***11.2***	***8.0***	***82***	5.0 U	***45***	***16***	***17***
Toluene	ug/L	5980	-	-	5 U	5 U	-	-	5 U	1 U	5.0 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	10000	-	-	5 U	5 U	-	-	5 U	1 U	5.0 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	30	-	-	5 U	4.7 J	-	-	8.1	***1.3***	5.0 U	***2.1***	***1.8***	5.0 U	***7.2***	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	ug/L	2.4	-	-	10 U	5 U	-	-	2 U	1 U	2.0 U	1 U	1 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

[1]ISWQS - In-stream water qulity standard

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

ug/L - microgram per liter

Detection below the ISWQS but above reporting limits are shown in blue

Detection above the ISWQS are shown in red and highlighted

Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling event

Recent - August 2011 surface water analytical data are highlighted

Table 3.5

HISTORICAL REGULATED COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			am surface water sample locations					Midstream surface water sample locations								Midstream surface w
Location Name			*WS-3*	*WS-3*	*WS-3/SW-1*	*WS-3/SW-1*	*SW-1*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*WS-3*	*SW-081210-DJB-004*	*SW-021811-DJB-003*	*SW-021811-DJB-004*	*SW-082211-DJB-204*	*W-062003-BK-001*	*W-062403-SLW-01*	*W-062703-BLL-001*	*W-063003-SLW-01*	*W-070303-BLL-001*	*W-070603-SLW-01*	*W-070903-DJB-001*	*W-071203-SLW-01*	*W-071503-SLW-01*
Sample Date			*2/16/2010*	*8/12/2010*	*2/18/2011*	*2/18/2011*	*8/22/2011*	*6/20/2003*	*6/24/2003*	*6/27/2003*	*6/30/2003*	*7/3/2003*	*7/6/2003*	*7/9/2003*	*7/12/2003*	*7/15/2003*
Sample Type						*Duplicate*										
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.000064	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1221 (PCB-1221)	ug/L	0.000064	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1232 (PCB-1232)	ug/L	0.000064	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1242 (PCB-1242)	ug/L	0.000064	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1248 (PCB-1248)	ug/L	0.000064	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Volitile Organic Compounds																
1,1,2-Trichloroethane	ug/L	16	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	7100	5.0 U	2.4 J	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	1300	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	37	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	960	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	190	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Benzene	ug/L	51	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/L	1500	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	1600	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/L	470	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	17	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	2100	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	590	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	3.3	***30***	***43***	***31***	***32***	***28***	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5980	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	30	5.0 U	***6.4***	***7.0***	***7.4***	5.0 U	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2.4	-	2.0 U	2.0 U	2.0 U	2.0 U	-	-	-	-	-	-	-	-	-

Notes:

[1]ISWQS - In-stream water qulity standard

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

ug/L - microgram per liter

Detection below the ISWQS but above reporting limits are shown in blue

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Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e

Recent - August 2011 surface water analytical data are highlighted

Table 3.5

HISTORICAL REGULATED COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			ater sample locations										Midstream surface water sample location		
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*W-071803-BLL-01*	*W-072103-SLW-01*	*W-072403-BLL-001*	*W-072703-SLW-01*	*W-073003-SLW-01*	*W-080203-SLW-01*	*GW-080503DJB-001*	*W-080803-BLL-001*	*W-081103-SLW-01*	*W-081403-SLW-01*	*W-081803-SLW-01*	*W-082103DJB-001*	*W-082503-SLW-01*	*W-082903-SLW-01*
Sample Date			*7/18/2003*	*7/21/2003*	*7/24/2003*	*7/27/2003*	*7/30/2003*	*8/2/2003*	*8/5/2003*	*8/8/2003*	*8/11/2003*	*8/14/2003*	*8/18/2003*	*8/21/2003*	*8/25/2003*	*8/29/2003*
Sample Type																
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volitile Organic Compounds																
1,1,2-Trichloroethane	ug/L	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	7100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	960	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/L	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/L	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5980	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

[1]ISWQS - In-stream water qulity standard

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Recent - August 2011 surface water analytical data are highlighted

Table 3.5

HISTORICAL REGULATED COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample location												
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*W-090203-SLW-01*	*W-090503-SLW-01*	*W-090803-BLL-001*	*W-091203-SLW-01*	*W-091503-SLW-01*	*W-091803-SLW-01*	*W-092203-SLW-01*	*W-092603-SLW-01*	*W-093003-MR-01*	*W-100303-SLW-01*	*W-100703-SLW-01*	*W-101003-SLW-01*	*W-101403-SLW-01*	*W-101703-SLW-01*
Sample Date			*9/2/2003*	*9/5/2003*	*9/8/2003*	*9/12/2003*	*9/15/2003*	*9/18/2003*	*9/22/2003*	*9/26/2003*	*9/30/2003*	*10/3/2003*	*10/7/2003*	*10/10/2003*	*10/14/2003*	*10/17/2003*
Sample Type																
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volitile Organic Compounds																
1,1,2-Trichloroethane	ug/L	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	7100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	960	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/L	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/L	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5980	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
[1]ISWQS - In-stream water qulity standard
J - Estimated, below Quantitation Limits.
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Detection below the ISWQS but above reporting limits are shown in blue
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Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Recent - August 2011 surface water analytical data are highlighted

Table 3.5

HISTORICAL REGULATED COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample locations												
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*W-102003-SLW-01*	*W-102303-SLW-01*	*W-102703-SLW-02*	*W-103103-SLW-01*	*W-110403-BLL-001*	*W-110803-SLW-01*	*W-111203-SLW-01*	*W-111603-SLW-01*	*W-112103-SLW-01*	*W-112503-SLW-01*	*W-113003-SLW-01*	*W-120503-SLW-01*	*W-120903-SLW-01*	*W-121303-SLW-01*
Sample Date			*10/20/2003*	*10/23/2003*	*10/27/2003*	*10/31/2003*	*11/4/2003*	*11/8/2003*	*11/12/2003*	*11/16/2003*	*11/21/2003*	*11/25/2003*	*11/30/2003*	*12/5/2003*	*12/9/2003*	*12/13/2003*
Sample Type																
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volitile Organic Compounds																
1,1,2-Trichloroethane	ug/L	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ug/L	7100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/L	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/L	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	960	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/L	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	ug/L	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/L	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ug/L	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/L	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	590	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5980	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ug/L	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ug/L	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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HISTORICAL REGULATED COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample locations								Downstream surface water sample locations					
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*SW-2*	*SW-2*	*SW-2*	*EPA-01*	*WS-1*	*WS-2*	*WS-2A*	*WS-2A*	*WS-2A*
Sample Name			*W-121803-SLW-01*	*W-122203-BLL-001*	*W-122703-SLW-01*	*W-123103-SLW-01*	*W-010304-SLW-01*	*SW-081210-DJB-003*	*SW-021811-DJB-002*	*SW-082211-DJB-203*	*1*	*SW-111400-SLW-01*	*SW-111400-SLW-02*	*W-060603-SLW-010*	*W-081803-SLW-02*	*WS-121203-SLW-01*
Sample Date			*12/18/2003*	*12/22/2003*	*12/27/2003*	*12/31/2003*	*1/3/2004*	*8/12/2010*	*2/18/2011*	*8/22/2011*	*7/8/1993*	*11/14/2000*	*11/14/2000*	*6/6/2003*	*8/18/2003*	*12/12/2003*
Sample Type																
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	300 U	1 U	1 U	1 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	300 U	1 U	1 U	1 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	300 U	1 U	1 U	1 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	300 U	1 U	1 U	1 U	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	350 U	1 U	1 U	1 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	250 U	1 U	1 U	1 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	***270***	1 U	1 U	1 U	-	-
Volitile Organic Compounds																
1,1,2-Trichloroethane	ug/L	16	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
1,1-Dichloroethene	ug/L	7100	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
1,2,4-Trichlorobenzene	ug/L	70	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	-	1 U
1,2-Dichlorobenzene	ug/L	1300	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
1,2-Dichloroethane	ug/L	37	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
1,3-Dichlorobenzene	ug/L	960	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
1,4-Dichlorobenzene	ug/L	190	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Benzene	ug/L	51	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Bromomethane (Methyl bromide)	ug/L	1500	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	10 UJ	10 UJ	-	5 U	1 U
Chlorobenzene	ug/L	1600	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Chloroform (Trichloromethane)	ug/L	470	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Dibromochloromethane	ug/L	17	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Ethylbenzene	ug/L	2100	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Methylene chloride	ug/L	590	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	***12 J***	***13***	***7.4***	-	5 U	1.9 J	-	3.4 J	**2.6**
Toluene	ug/L	5980	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	0.29 J
trans-1,2-Dichloroethene	ug/L	10000	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	1 U
Trichloroethene	ug/L	30	-	-	-	-	-	5.0 UJ	5.0 U	5.0 U	-	5 U	5 U	-	5 U	0.53 J
Vinyl chloride	ug/L	2.4	-	-	-	-	-	2.0 UJ	2.0 U	2.0 U	-	10 U	10 U	-	2 U	1 U

Notes:

[1]ISWQS - In-stream water qulity standard

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

ug/L - microgram per liter

Detection below the ISWQS but above reporting limits are shown in blue

Detection above the ISWQS are shown in red and highlighted

Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e

Recent - August 2011 surface water analytical data are highlighted

Table 3.5

HISTORICAL REGULATED COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Downstream surface water sample location													
Location Name			*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*SW-3*	*SW-3*	*SW-3*	*SW-3*	*SW-3*
Sample Name			*WS-070704-SLW-01*	*GW-060905-DJB-006*	*SW-020707-DJB-002*	*SW-072507-CRM-203*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*SW-081210-DJB-001*	*SW-081210-DJB-002*	*SW-021811-DJB-001*	*SW-082211-DJB-201*	*SW-082211-DJB-202*
Sample Date			*7/7/2004*	*6/9/2005*	*2/7/2007*	*7/25/2007*	*3/5/2008*	*9/9/2008*	*2/19/2009*	*2/19/2009*	*2/16/2010*	*8/12/2010*	*8/12/2010*	*2/18/2011*	*8/22/2011*	*8/22/2011*
Sample Type										*Duplicate*			*Duplicate*			*Duplicate*
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.000064	*0.088 J*	-	-	-	-	-	0.5 U	-	0.5 U	0.50 U	-	0.50 U	0.50 U	-
Volitile Organic Compounds																
1,1,2-Trichloroethane	ug/L	16	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	7100	1 U	1 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	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	ug/L	70	0.25 J	-	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	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	1300	1 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	ug/L	37	1 U	1 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	ug/L	960	1 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	ug/L	190	1 U	-	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	ug/L	51	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	1500	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	1600	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	ug/L	470	3.1	1 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	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	17	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	2100	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	590	1 U	5 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	3.3	0.29 J	*2.6*	*53*	*5.5*	5.0 U	5.0 U	5.0 U	*5.8*	*5.6*	5.0 U	2.9 J	*8.9*	5.0 U	5.0 U
Toluene	ug/L	5980	1 U	1 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	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	10000	1 U	1 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	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	30	1 U	0.51 J	*5.9*	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	5.0 U
Vinyl chloride	ug/L	2.4	1 U	1 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	2.0 U	2.0 U

Notes:

[1]ISWQS - In-stream water qulity standard

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

ug/L - microgram per liter

Detection below the ISWQS but above reporting limits are shown in blue

Detection above the ISWQS are shown in red and highlighted

Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e

Recent - August 2011 surface water analytical data are highlighted

TABLE 3.6

HISTORICAL REGULATED COCS IN SEDIMENT
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*	*TRAP-1*
Sample Name			*S-081803-SLW-01*	*S-100703-SLW-02*	*S-121303-SLW-100*	*SED-070704-SLW-01*	*SD-060905-SAG-001*	*S-020707-DJB-001*	*S-072507-CRM-204*	*Trap-1*	*Trap-1*	*Trap-1*	*Trap-1*	*Trap-1*	*S-081210-DJB-001*	*S-021811-DJB-101*	*SED-082211-DJB-301*
Sample Date			*8/18/2003*	*10/7/2003*	*12/13/2003*	*7/7/2004*	*6/9/2005*	*2/7/2007*	*7/25/2007*	*3/5/2008*	*9/9/2008*	*2/19/2009*	*9/29/2009*	*2/16/2010*	*8/12/2010*	*2/18/2011*	*8/22/2011*
	Units	Type 1/4 RRS															
Polychlorinated Biphenyl																	
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	3300 UJ	1200 U	1200 U	46 U	48 U	-	-	-	-	-	42 U	40 U	42 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	3300 UJ	1200 U	1200 U	46 U	48 U	-	-	-	-	-	42 U	40 U	42 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	3300 UJ	1200 U	1200 U	46 U	48 U	43 U	*250*	42 U	42 U	42 U	42 U	40 U	42 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	33 U	33 U	3300 UJ	1200 U	1200 U	46 U	48 U	-	-	-	-	-	42 U	40 U	42 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	*2700*	*2900*	*23000 J*	1200 U	1200 U	46 U	*840*	*690*	40 U	*290*	*290*	*120*	*220*	40 U	*330*
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	*5000*	*40000 J*	*14000*	*7710 J*	*370*	*2300*	*1500*	*690*	*720*	*810*	*590*	*370*	*480*	*580*
Aroclor-1260 (PCB-1260)	ug/kg	1550	*3200*	*3800*	*25000 J*	*10000*	*3080 J*	*310*	*870*	*690*	*310*	*410*	*470*	*360*	*190*	*360*	*380*

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/kg - microgram per kilogram
Detection below Type 1/4 RRS but above reporting limits are shown in blue
Detection above Type 1/4 RRS are shown in red and highlighted

TABLE 3.7A

CURRENT REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			EPA-02	EPA-03B	K-SED-1	K-SED-2	K-SED-3	K-SED-4	K-SED-5	K-SED-6	K-SED-7	B-1	HA-5	HA-6	L-SED-13	L-SED-14	SED-15	SED-16
Sample Name			EPA-02	3B	SED-1	SED-2	SED-3	SED-4	SED-5	SED-6	SED-7	B-1	HA-5	HA-6	SED-5	SED-6	SED-111400-SLW-01	SED-111500-SLW-02
Sample Date			7/8/1993	7/8/1993	11/9/1994	11/9/1994	11/9/1994	11/9/1994	11/9/1994	11/9/1994	11/9/1994	3/16/1999	3/17/1999	3/17/1999	3/16/1999	3/16/1999	11/14/2000	11/15/2000
Depth			0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	2.5 ft bgs	1 ft bgs	1 ft bgs	0 - 0.5 ft bgs	0 - 0.5 ft bgs	0.1 - 0.3 ft bgs	1.2 - 1.4 ft bgs
Sample Type																		
	Units	Type 1 RRS																
Polychlorinated Biphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	2100 U	6100 U	1298 U	2395 U	21643 U	16986 U	1057 U	5029 U	466 U	3300000 U	1200	***6600***	330 U	330 U	2000 U	910 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	2100 U	6100 U	2596 U	4790 U	43285 U	33973 U	2115 U	10057 U	932 U	3300000 U	330 U	330 U	330 U	330 U	2000 U	910 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	2100 U	6100 U	1298 U	2395 U	21643 U	16986 U	1057 U	5029 U	466 U	3300000 U	330 U	330 U	330 U	330 U	2000 U	910 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	2100 U	6100 U	***1900***	***9200***	***58000***	***45000***	1057 U	5029 U	466 U	3300000 U	330 U	330 U	330 U	330 U	***12000***	***12000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	2100 U	6100 U	***1400***	***9700***	***60000***	***36000***	1057 U	5029 U	466 U	***7200000***	330 U	330 U	***1700***	***2400***	2000 U	910 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	10000 U	65000 U	***4000***	***1900 J***	***54000***	***30000***	***2800***	***11000***	***2000***	3300000 U	330 U	330 U	330 U	330 U	2000 U	***2600***
Aroclor-1260 (PCB-1260)	ug/kg	1550	***11000***	***69000***	1298 U	2395 U	***63000***	***23000***	1057 U	5029 U	466 U	***33000000***	***2900***	330 U	***3600***	***4900***	***16000***	910 U
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	***2200000***	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	***5900000***	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	***69***	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	***28***	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	***58***	-	-	-	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - micro gram per kilogram
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/excavated
ft bgs - feet below ground surface

TABLE 3.7A

CURRENT REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*SED-17*	*SED-18*	*B-35*	*B-35*	*B-35*	*B-36*	*B-36*	*B-37*	*B-37*	*S-104*	*S-105*	*S-106*	*01+31-N*	*01+31-CL*	*01+50-N*	*01+50-CL*
Sample Name			*SED-111500-SLW-03*	*SED-111500-SLW-04*	*S-091001-SLW-021*	*S-091001-SLW-022*	*S-091001-SLW-023*	*S-091001-SLW-024*	*S-091001-SLW-025*	*S-091001-SLW-026*	*S-091001-SLW-027*	*S-012003-SLW-104*	*S-012003-SLW-105*	*S-012003-SLW-106*	*S-020503-SLW-211*	*S-020503-SLW-210*	*S-021103-SLW-214*	*S-021103-SLW-213*
Sample Date			*11/15/2000*	*11/15/2000*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*1/20/2003*	*1/20/2003*	*1/20/2003*	*2/5/2003*	*2/5/2003*	*2/11/2003*	*2/11/2003*
Depth			*1.7 - 1.9 ft bgs*	*2.3 - 2.6 ft bgs*	*1.7 - 2.5 ft bgs*	*1.7 - 2.5 ft bgs*	*2.5 - 3.3 ft bgs*	*1.5 - 2.3 ft bgs*	*2.3 - 3 ft bgs*	*1.5 - 2.3 ft bgs*	*2.3 - 3 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*
Sample Type						*Duplicate*												
	Units	Type 1 RRS																
Polychlorinated Biphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 UJ	33 UJ	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***96000***	***39000***	***190000***	***150000***	***15000***	***950000***	***110000***	***2000***	***5100***	33 U	33 U	33 U	***13000***	***760***	***9500***	***29000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	***21000***	***9000***	***26000***	***20000***	***2600***	46000 U	9300 U	940 U	***1100***	33 U	***1600***	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	9000 U	***5300***	10000 U	9800 U	960 U	46000 U	9300 U	***10000***	***590***	***1700***	***4600***	***16000***	***18000 J***	***2500 J***	***6800***	***62000***
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 UJ	-	***52***
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	***4.2 J***	-	***320 J***
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 U	-	***1.6 J***
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 U	-	***11***
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 U	-	***26***

Notes:
J - Estimated, below Quantitation Limits.
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UJ - Non-detect at estimated associated value
ug/kg - micro gram per kilogram
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/exca
ft bgs - feet below ground surface

TABLE 3.7A

CURRENT REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*01+50-S*	*01+75-N*	*01+75-CL*	*01+75-S*	*02+00-N*	*02+00-CL*	*02+00-S*	*02+25-N*	*02+25-CL*	*02+50-N*	*02+50-CL*	*02+50-S*	*02+75-N*	*02+75-CL*	*02+75-CL*	*03+00-N*
Sample Name			*S-021103-SLW-215*	*S-021203-SLW-217*	*S-021203-SLW-216*	*S-021203-SLW-218*	*S-021303-SLW-220*	*S-021303-SLW-219*	*S-021303-SLW-221*	*S-021403-SLW-223*	*S-021403-SLW-222*	*S-021403-SLW-226*	*S-021403-SLW-225*	*S-021403-SLW-227*	*S-021703-SLW-229*	*S-021703-SLW-228*	*S-021703-SLW-109*	*S-021803-SLW-232*
Sample Date			*2/11/2003*	*2/12/2003*	*2/12/2003*	*2/12/2003*	*2/13/2003*	*2/13/2003*	*2/13/2003*	*2/14/2003*	*2/14/2003*	*2/15/2003*	*2/15/2003*	*2/15/2003*	*2/17/2003*	*2/17/2003*	*2/17/2003*	*2/18/2003*
Depth			*1.5 ft bgs*	*1.5 ft bgs*	*0.2 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*0.5 ft bgs*	*1.5 ft bgs*	*0.5 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*0.2 ft bgs*	*0.2 ft bgs*	*1.5 ft bgs*
Sample Type																	*Duplicate*	
	Units	Type 1 RRS																
Polychlorinated Biphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 UJ	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	*54000*	*19000*	*5600*	*510000*	*380000*	*28000*	*4100*	*37000*	*17000*	*3400*	*45000*	*1000000 J*	*5600 J*	*1700 J*	*2100 J*	*1200 J*
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	*21000*	*19000*	*1500*	*640000*	*45000*	*2000*	*190*	*14000*	*3800*	*530*	*1200*	*2300*	*330*	*160*	*220*	*4400*
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	3 U	-	-	2.6 U	-	-	2.9 UJ	-	2.9 UJ	-	-	4.9 UJ	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	*8.7*	-	-	2.6 U	-	-	2.9 UJ	-	2.9 UJ	-	-	4.9 UJ	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	2.9 U	-	-	4.9 U	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	2.9 U	-	-	4.9 U	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	2.9 U	-	-	4.9 U	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - micro gram per kilogram
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/exca
ft bgs - feet below ground surface

TABLE 3.7A

CURRENT REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*03+00-CL*	*03+00-S*	*03+50-CL*	*03+75-S*	*04+00-N*	*04+00-CL*	*04+00-CL*	*04+00-S*	*04+00-S*	*04+25-N*	*04+25-CL*	*04+25-S*	*B-38*	*B-39*	*B-41*	*B-42*
Sample Name			*S-021803-SLW-231*	*S-021803-SLW-233*	*S-021903-SLW-237*	*S-021903-SLW-242*	*S-022003-SLW-244*	*S-022003-SLW-243*	*S-022003-SLW-112*	*S-022003-SLW-245*	*S-022003-SLW-113*	*S-022003-SLW-247*	*S-022003-SLW-246*	*S-022003-SLW-248*	*S-060603-DB-36*	*S-060603-DB-2*	*S-060603-DB-13*	*S-060603-DB-4*
Sample Date			*2/18/2003*	*2/18/2003*	*2/19/2003*	*2/19/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*
Depth			*0.3 ft bgs*	*0.8 ft bgs*	*0.5 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*0.3 ft bgs*	*0.5 ft bgs*	*0.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*10 - 11 ft bgs*	*3 - 4 ft bgs*	*6 ft bgs*	*7 ft bgs*
Sample Type									*Duplicate*		*Duplicate*							
	Units	Type 1 RRS																
Polychlorinated Biphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	*330000 J*	*3000 J*	*13000 J*	*8300000 J*	*1600*	*6700*	-	*3300*	*1600*	*390*	*15000*	*1400*	*5000*	*4300000 J*	*170*	*13000000 J*
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	-	33 U	33 U	33 U	33 U	33 U	*5100*	*3600000 J*	33 U	33000 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	*10000*	*130*	*1200*	*570000*	*1300*	*2200*	-	*390*	*400*	*630*	*2000*	*3600*	*6100*	*1100000 J*	*2400*	*3900000 J*
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	*22 J*	-	3 U	-	-	3.5 UJ	3.2 UJ	-	-	-	2.8 UJ	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	*110 J*	-	3 U	-	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	2.9 U	-	3 U	-	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	2.9 U	-	3 U	-	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	*5.8*	-	3 U	-	-	3.5 U	3.2 U	-	-	-	2.8 U	-	-	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
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UJ - Non-detect at estimated associated value
ug/kg - micro gram per kilogram
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/exca
ft bgs - feet below ground surface

TABLE 3.7A

CURRENT REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			B-43	B-43	B-45	B-48	B-49	B-50	B-50	Trench Wall (removed)	B-52	B-53	B-54	B-55	B-56	RW-1	BH-3	BH-8
Sample Name			S-060603-DB-19	S-060603-DB-20	S-060603-DB-30	S-060603-DB-7	S-060603-DB-25	S-060603-DB-9	S-060603-DB-11	C-091803-MR-02	S-091803-SLW-04	S-092003-MR-04	S-092003-MR-05	S-092003-MR-06	S-092003-MR-07	S-092003-MR-03	S-012407-CRM-129	S-012407-CRM-111
Sample Date			6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	9/18/2003	9/18/2003	9/20/2003	9/20/2003	9/20/2003	9/20/2003	9/20/2003	1/24/2007	1/24/2007
Depth			7.5 - 8 ft bgs	10 ft bgs	3 - 4 ft bgs	5 - 6 ft bgs	4 - 8 ft bgs	3 - 4 ft bgs	10 - 11 ft bgs	4 ft bgs	2.8 ft bgs	3 - 4 ft bgs	7 - 7.5 ft bgs	3 - 4 ft bgs	3 - 4 ft bgs	11.5 - 12 ft bgs	5 ft bgs	2 ft bgs
Sample Type																		
	Units	Type 1 RRS																
Polychlorinated Biphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33000 U	330 U	330 U	2200	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	110000	7200	33 U	6600000 J	990000 J	1300000	33 U	1300000	7100000	730000	130000	970000	520000	380000	2700	39 U
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	4300	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	2400	19000	1500	460000 J	180000 J	330 U	33 U	18000	82000	13000	8800	140000	83000	34000	390	2700
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U

Notes:
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UJ - Non-detect at estimated associated value
ug/kg - micro gram per kilogram
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/exca
ft bgs - feet below ground surface

TABLE 3.7A

CURRENT REGULATED COCS IN SOIL - TYPE 1
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*SB9-North sidewall*	*SB10-East sidewall*	*S7-East sidewall*	*S4-Base*	*DP3-West sidewall*	*DP1-Base*
Sample Name			*SB9 2-3 (N sidewall)*	*SB10 2-3 (E sidewall)*	*S7 2 (E sidewall)*	*S4 6.5 (Base)*	*DP 3 (W sidewall)*	*DP 1 7-8 (Base)*
Sample Date			*10/18/2007*	*10/18/2007*	*11/7/2007*	*11/7/2007*	*11/12/2007*	*11/12/2007*
Depth			*2 - 3 ft BGS*	*2 - 3 ft BGS*	*2 - 3 ft BGS*	*6.5 ft BGS*	*7 - 8 ft BGS*	*11 ft BGS*
Sample Type								
	Units	Type 1 RRS						
Polychlorinated Biphenyl								
Aroclor-1016 (PCB-1016)	ug/kg	1550	39 U	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	39 U	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	39 U	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	*2300*	*2600*	18000 U	73000 U	*180000*	*14000*
Aroclor-1248 (PCB-1248)	ug/kg	1550	39 U	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	39 U	360	*65000*	*460000*	*68000*	*8100*
Aroclor-1260 (PCB-1260)	ug/kg	1550	*1900*	*5300*	*110000*	*730000*	*84000*	*12000*
Volatile Organic Compounds								
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	4.4 U	3.4 U	*11*	*380000*	*9700*	*140*
1,2-Dichlorobenzene	ug/kg	60000	4.4 U	3.4 U	4.8 U	*2800*	4.8 U	4.9 U
1,3-Dichlorobenzene	ug/kg	60000	4.4 U	3.4 U	4.8 U	*1500*	*9.8*	4.9 U
1,4-Dichlorobenzene	ug/kg	7500	4.4 U	3.4 U	4.8 U	*25000*	*45*	*8.8*

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - micro gram per kilogram
Detection below Type 1 RRS but above reporting limits are shown in blue
Detection above Type 1 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/exca
ft bgs - feet below ground surface

TABLE 3.7B

CURRENT REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*EPA-02*	*EPA-03B*	*K-SED-1*	*K-SED-2*	*K-SED-3*	*K-SED-4*	*K-SED-5*	*K-SED-6*	*K-SED-7*	*B-1*	*HA-5*	*HA-6*	*L-SED-13*	*L-SED-14*	*SED-15*	*SED-16*
Sample Name			*EPA-02*	*3B*	*SED-1*	*SED-2*	*SED-3*	*SED-4*	*SED-5*	*SED-6*	*SED-7*	*B-1*	*HA-5*	*HA-6*	*SED-5*	*SED-6*	*SED-111400-SLW-01*	*SED-111500-SLW-02*
Sample Date			*7/8/1993*	*7/8/1993*	*11/9/1994*	*11/9/1994*	*11/9/1994*	*11/9/1994*	*11/9/1994*	*11/9/1994*	*11/9/1994*	*3/16/1999*	*3/17/1999*	*3/17/1999*	*3/16/1999*	*3/16/1999*	*11/14/2000*	*11/15/2000*
Depth			*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*2.5 ft bgs*	*1 ft bgs*	*1 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0.1 - 0.3 ft bgs*	*1.2 - 1.4 ft bgs*
	Units	Type 4 RRS																
Polychlorinated Byphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	2100 U	6100 U	1298 U	2395 U	21643 U	16986 U	1057 U	5029 U	466 U	3300000 U	***1200***	***6600***	330 U	330 U	2000 U	910 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	2100 U	6100 U	2596 U	4790 U	43285 U	33973 U	2115 U	10057 U	932 U	3300000 U	330 U	330 U	330 U	330 U	2000 U	910 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	2100 U	6100 U	1298 U	2395 U	21643 U	16986 U	1057 U	5029 U	466 U	3300000 U	330 U	330 U	330 U	330 U	2000 U	910 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	2100 U	6100 U	***1900***	***9200***	***58000***	***45000***	1057 U	5029 U	466 U	3300000 U	330 U	330 U	330 U	330 U	***12000***	***12000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	2100 U	6100 U	1400	***9700***	***60000***	***36000***	1057 U	5029 U	466 U	***7200000***	330 U	330 U	***1700***	***2400***	2000 U	910 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	10000 U	65000 U	***4000***	***1900 J***	***54000***	***30000***	***2800***	***11000***	***2000***	3300000 U	330 U	330 U	330 U	330 U	2000 U	***2600***
Aroclor-1260 (PCB-1260)	ug/kg	1550	***11000***	***69000***	1298 U	2395 U	***63000***	***23000***	1057 U	5029 U	466 U	***33000000***	***2900***	330 U	***3600***	***4900***	***16000***	910 U
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	***2200000***	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	***5900000***	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	***69***	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	***28***	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	***58***	-	-	-	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - microgram per kilogram
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/excavated
ft bgs - feet below ground surface

TABLE 3.7B

CURRENT REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*SED-17*	*SED-18*	*B-35*	*B-35*	*B-35*	*B-36*	*B-36*	*B-37*	*B-37*	*S-104*	*S-105*	*S-106*	*01+31-N*	*01+31-CL*	*01+50-N*	*01+50-CL*
Sample Name			*SED-111500-SLW-03*	*SED-111500-SLW-04*	*S-091001-SLW-021*	*S-091001-SLW-022*	*S-091001-SLW-023*	*S-091001-SLW-024*	*S-091001-SLW-025*	*S-091001-SLW-026*	*S-091001-SLW-027*	*S-012003-SLW-104*	*S-012003-SLW-105*	*S-012003-SLW-106*	*S-020503-SLW-211*	*S-020503-SLW-210*	*S-021103-SLW-214*	*S-021103-SLW-213*
Sample Date			*11/15/2000*	*11/15/2000*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*9/10/2001*	*1/20/2003*	*1/20/2003*	*1/20/2003*	*2/5/2003*	*2/5/2003*	*2/11/2003*	*2/11/2003*
Depth			*1.7 - 1.9 ft bgs*	*2.3 - 2.6 ft bgs*	*1.7 - 2.5 ft bgs*	*1.7 - 2.5 ft bgs* Duplicate	*2.5 - 3.3 ft bgs*	*1.5 - 2.3 ft bgs*	*2.3 - 3 ft bgs*	*1.5 - 2.3 ft bgs*	*2.3 - 3 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*0 - 0.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*
	Units	Type 4 RRS																
Polychlorinated Byphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 UJ	33 UJ	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***96000***	***39000***	***190000***	***150000***	***15000***	***950000***	***110000***	***2000***	***5100***	33 U	33 U	33 U	***13000***	***760***	***9500***	***29000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	9000 U	4600 U	10000 U	9800 U	960 U	46000 U	9300 U	940 U	470 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	***21000***	***9000***	***26000***	***20000***	***2600***	46000 U	9300 U	940 U	1100	33 U	***1600***	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	9000 U	***5300***	10000 U	9800 U	960 U	46000 U	9300 U	***10000***	590	***1700***	***4600***	***16000***	***18000 J***	***2500 J***	***6800***	***62000***
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 UJ	-	***52***
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2 J	-	***320 J***
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 U	-	1.6 J
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 U	-	***11***
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9 U	-	***26***

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - microgram per kilogram
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/excavated
ft bgs - feet below ground surface

TABLE 3.7B

CURRENT REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*01+50-S*	*01+75-N*	*01+75-CL*	*01+75-S*	*02+00-N*	*02+00-CL*	*02+00-S*	*02+25-N*	*02+25-CL*	*02+50-N*	*02+50-CL*	*02+50-S*	*02+75-N*	*02+75-CL*	*02+75-CL*	*03+00-N*
Sample Name			*S-021103-SLW-215*	*S-021203-SLW-217*	*S-021203-SLW-216*	*S-021203-SLW-218*	*S-021303-SLW-220*	*S-021303-SLW-219*	*S-021303-SLW-221*	*S-021403-SLW-223*	*S-021403-SLW-222*	*S-021403-SLW-226*	*S-021403-SLW-225*	*S-021403-SLW-227*	*S-021703-SLW-229*	*S-021703-SLW-228*	*S-021703-SLW-109*	*S-021803-SLW-232*
Sample Date			*2/11/2003*	*2/12/2003*	*2/12/2003*	*2/12/2003*	*2/13/2003*	*2/13/2003*	*2/13/2003*	*2/14/2003*	*2/14/2003*	*2/15/2003*	*2/15/2003*	*2/15/2003*	*2/17/2003*	*2/17/2003*	*2/17/2003*	*2/18/2003*
Depth			*1.5 ft bgs*	*1.5 ft bgs*	*0.2 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*1.5 ft bgs*	*0.5 ft bgs*	*1.5 ft bgs*	*0.5 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*0.2 ft bgs*	*0.2 ft bgs Duplicate*	*1.5 ft bgs*
	Units	Type 4 RRS																
Polychlorinated Byphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 UJ	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	*54000*	*19000*	*5600*	*510000*	*380000*	*28000*	*4100*	*37000*	*17000*	*3400*	*45000*	*1000000 J*	*5600 J*	*1700 J*	*2100 J*	*1200 J*
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	*21000*	*19000*	*1500*	*640000*	*45000*	*2000*	*190*	*14000*	*3800*	*530*	*1200*	*2300*	*330*	*160*	*220*	*4400*
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	3 U	-	-	2.6 U	-	-	2.9 UJ	-	2.9 UJ	-	-	4.9 UJ	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	*8.7*	-	-	2.6 U	-	-	2.9 UJ	-	2.9 UJ	-	-	4.9 UJ	-	-
1,2-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	2.9 U	-	-	4.9 U	-	-
1,3-Dichlorobenzene	ug/kg	60000	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	2.9 U	-	-	4.9 U	-	-
1,4-Dichlorobenzene	ug/kg	7500	-	-	3 U	-	-	2.6 U	-	-	2.9 U	-	2.9 U	-	-	4.9 U	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - microgram per kilogram
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/excavated
ft bgs - feet below ground surface

TABLE 3.7B

CURRENT REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*03+00-CL*	*03+00-S*	*03+50-CL*	*03+75-S*	*04+00-N*	*04+00-CL*	*04+00-S*	*04+00-S*	*04+25-CL*	*04+25-S*	*B-38*	*B-39*	*B-41*	*B-42*	*B-43*	*B-43*
Sample Name			*S-021803-SLW-231*	*S-021803-SLW-233*	*S-021903-SLW-237*	*S-021903-SLW-242*	*S-022003-SLW-244*	*S-022003-SLW-243*	*S-022003-SLW-245*	*S-022003-SLW-113*	*S-022003-SLW-246*	*S-022003-SLW-248*	*S-060603-DB-36*	*S-060603-DB-2*	*S-060603-DB-13*	*S-060603-DB-4*	*S-060603-DB-19*	*S-060603-DB-20*
Sample Date			*2/18/2003*	*2/18/2003*	*2/19/2003*	*2/19/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*2/20/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*
Depth			*0.3 ft bgs*	*0.8 ft bgs*	*0.5 ft bgs*	*0.8 ft bgs*	*1.5 ft bgs*	*0.3 ft bgs*	*0.5 ft bgs*	*0.5 ft bgs*	*0.3 ft bgs*	*1.5 ft bgs*	*10 - 11 ft bgs*	*3 - 4 ft bgs*	*6 ft bgs*	*7 ft bgs*	*7.5 - 8 ft bgs*	*10 ft bgs*
										Duplicate								
	Units	Type 4 RRS																
Polychlorinated Byphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U	33 U	33 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U	33 U	33 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U	33 U	33 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	*330000 J*	*3000 J*	*13000 J*	*8300000 J*	*1600*	*6700*	*3300*	*1600*	*15000*	*1400*	*5000*	*4300000 J*	*170*	*13000000 J*	*110000*	*7200*
Aroclor-1248 (PCB-1248)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33000 U	33 U	33000 U	33 U	33 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	330 U	67000 U	33 U	33 U	33 U	33 U	33 U	33 U	*5100*	*3600000 J*	33 U	33000 U	33 U	33 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	*10000*	*130*	*1200*	*570000*	*1300*	*2200*	*390*	*400*	*2000*	*3600*	*6100*	*1100000 J*	*2400*	*3900000 J*	*2400*	*19000*
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	*22 J*	-	3 U	-	-	3.5 UJ	-	-	2.8 UJ	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	*110 J*	-	3 U	-	-	3.5 U	-	-	2.8 U	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/kg	60000	2.9 U	-	3 U	-	-	3.5 U	-	-	2.8 U	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	60000	2.9 U	-	3 U	-	-	3.5 U	-	-	2.8 U	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	7500	*5.8*	-	3 U	-	-	3.5 U	-	-	2.8 U	-	-	-	-	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - microgram per kilogram
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/excavated
ft bgs - feet below ground surface

TABLE 3.7B

CURRENT REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*B-45*	*RW-1*	*B-48*	*B-49*	*B-50*	*B-50*	*Trench Wall (removed,*	*B-52*	*B-53*	*B-54*	*B-55*	*B-56*	*RW-1*	*BH-3*	*BH-8*	*SB9-North sidewall*
Sample Name			*S-060603-DB-30*	*S-092003-MR-03*	*S-060603-DB-7*	*S-060603-DB-25*	*S-060603-DB-9*	*S-060603-DB-11*	*C-091803-MR-02*	*S-091803-SLW-04*	*S-092003-MR-04*	*S-092003-MR-05*	*S-092003-MR-06*	*S-092003-MR-07*	*S-092003-MR-03*	*S-012407-CRM-129*	*S-012407-CRM-111*	*SB9 2-3 (N sidewall)*
Sample Date			*6/6/2003*	*9/20/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*6/6/2003*	*9/18/2003*	*9/18/2003*	*9/20/2003*	*9/20/2003*	*9/20/2003*	*9/20/2003*	*9/20/2003*	*1/24/2007*	*1/24/2007*	*10/18/2007*
Depth			*3 - 4 ft bgs*	*11.5 - 12 ft bgs*	*5 - 6 ft bgs*	*4 - 8 ft bgs*	*3 - 4 ft bgs*	*10 - 11 ft bgs*	*4 ft bgs*	*2.8 ft bgs*	*3 - 4 ft bgs*	*7 - 7.5 ft bgs*	*3 - 4 ft bgs*	*3 - 4 ft bgs*	*11.5 - 12 ft bgs*	*5 ft bgs*	*2 ft bgs*	*2 - 3 ft BGS*
	Units	Type 4 RRS																
Polychlorinated Byphenyl																		
Aroclor-1016 (PCB-1016)	ug/kg	1550	33 U	33 U	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U	39 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	33 U	33 U	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U	39 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	33 U	33 U	33000 U	330 U	330 U	*2200*	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U	39 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	33 U	*380000*	*6600000 J*	*990000 J*	*1300000*	33 U	*1300000*	*7100000*	*730000*	*130000*	*970000*	*520000*	*380000*	*2700*	39 U	*2300*
Aroclor-1248 (PCB-1248)	ug/kg	1550	*4300*	33 U	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U	39 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	33 U	33 U	33000 U	330 U	330 U	33 U	33 U	6700 U	33 U	33 U	33 U	33 U	33 U	43 U	39 U	39 U
Aroclor-1260 (PCB-1260)	ug/kg	1550	*1500*	*34000*	*460000 J*	*180000 J*	330 U	33 U	*18000*	*82000*	*13000*	*8800*	*140000*	*83000*	*34000*	*390*	*2700*	*1900*
Volatile Organic Compounds																		
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U	4.4 U
1,2-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U	4.4 U
1,3-Dichlorobenzene	ug/kg	60000	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U	4.4 U
1,4-Dichlorobenzene	ug/kg	7500	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6 U	3.6 U	4.4 U

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - microgram per kilogram
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/excavated
ft bgs - feet below ground surface

TABLE 3.7B

CURRENT REGULATED COCS IN SOIL - TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*SB10-East sidewall*	*S7-East sidewall*	*S4-Base*	*DP3-West sidewall*	*DP1-Base*
Sample Name			*SB10 2-3 (E sidewall)*	*S7 2 (E sidewall)*	*S4 6.5 (Base)*	*DP 3 (W sidewall)*	*DP 1 7-8 (Base)*
Sample Date			*10/18/2007*	*11/7/2007*	*11/7/2007*	*11/12/2007*	*11/12/2007*
Depth			*2 - 3 ft BGS*	*2 - 3 ft BGS*	*6.5 ft BGS*	*7 - 8 ft BGS*	*11 ft BGS*
	Units	Type 4 RRS					
Polychlorinated Byphenyl							
Aroclor-1016 (PCB-1016)	ug/kg	1550	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1221 (PCB-1221)	ug/kg	1550	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1232 (PCB-1232)	ug/kg	1550	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1242 (PCB-1242)	ug/kg	1550	***2600***	18000 U	73000 U	***180000***	***14000***
Aroclor-1248 (PCB-1248)	ug/kg	1550	36 U	18000 U	73000 U	35000 U	720 U
Aroclor-1254 (PCB-1254)	ug/kg	1550	***360***	***65000***	***460000***	***68000***	***8100***
Aroclor-1260 (PCB-1260)	ug/kg	1550	***5300***	***110000***	***730000***	***84000***	***12000***
Volatile Organic Compounds							
1,2,3-Trichlorobenzene	ug/kg	25000	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/kg	10800	3.4 U	***11***	***380000***	***9700***	***140***
1,2-Dichlorobenzene	ug/kg	60000	3.4 U	4.8 U	***2800***	4.8 U	4.9 U
1,3-Dichlorobenzene	ug/kg	60000	3.4 U	4.8 U	***1500***	***9.8***	4.9 U
1,4-Dichlorobenzene	ug/kg	7500	3.4 U	4.8 U	***25000***	45 U	***8.8***

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/kg - microgram per kilogram
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
Results highlighted in green are samples that have since been removed/excavated
ft bgs - feet below ground surface

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*
Sample Name			*MW1-1*	*MW-2*	*GW-111300-MR-05*	*GW-111300-MR-06*	*W-082603-SLW-05*	*GW-121103-TL-003*	*WG-070804-SAG-005*	*GW-060805-SAG-04*	*GW-020807-SAG-305*	*GW-020807-SAG-306*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*GW-081310-DJB-105*	*GW-022111-CRM-006*
Sample Date			*11/11/1994*	*3/17/1999*	*11/13/2000*	*11/13/2000*	*8/26/2003*	*12/11/2003*	*7/8/2004*	*6/8/2005*	*2/8/2007*	*2/8/2007*	*3/6/2008*	*9/10/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/13/2010*	*2/21/2011*
Sample Type						*Duplicate*						*Duplicate*							
	Units	Type 1/3 RRS																	
Polychlorinated Biphenyls																			
Aroclor-1016 (PCB-1016)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	2 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																			
Phenanthrene	ug/L	10	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	200	-	2 U	5 U	4.2 J	5 U	2 U	3 U	1 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
1,1,2-Trichloroethane	ug/L	5	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	-	*7*	*27 J*	*27 J*	*9.5*	*63*	*9.3*	1 U	5.0 U	5.0 U	5.0 U	*10*	5.0 U	5.0 U	5.0 U	2.3 J	5.0 U
1,1-Dichloroethene	ug/L	7	-	*5*	*17*	*17*	3 J	*18*	1.8 J	1 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
1,2,3-Trichloropropane	ug/L	5	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	10 U	5 U	5 U	5 U	2 U	3 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
1,2-Dichlorobenzene	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3 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
1,2-Dichloroethane	ug/L	5	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3 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	ug/L	75	-	10 U	5 U	5 U	5 U	2 U	3 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
Acetone	ug/L	4000	-	100 U	20 U	20 U	20 U	10 U	15 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	-	2 U	1.9 J	1.8 J	5 U	2 U	3 U	1 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
Bromomethane (Methyl bromide)	ug/L	10	-	10 U	10 U	10 U	5 U	2 U	3 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	-	10 U	5 U	5 U	5 U	2 U	3 U	2 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	ug/L	100	-	10 U	5 U	5 U	5 U	2 U	3 U	1 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
Chloroethane	ug/L	10	-	5 U	10 U	10 U	10 U	1 J	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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
Chloromethane (Methyl chloride)	ug/L	3	-	10 U	10 U	10 U	10 U	2 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	-	*4*	*22*	*22*	*16*	*44*	*24*	1 U	5.0 U	5.0 U	5.0 U	*19*	5.0 U	5.0 U	5.0 U	4.8 J	5.0 U
Cyclohexane	ug/L	5	-	-	-	-	5 U	2 U	3 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	ug/L	100	-	10 U	*80*	5 U	5 U	2 U	3 U	1 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	ug/L	700	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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	ug/L	5	-	10 U	-	-	5 U	2 U	3 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
Methylene chloride	ug/L	5	-	5 U	5 U	5 U	5 U	2 U	3 U	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	5.0 U
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5 U	-	-	5 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-
Tetrachloroethene	ug/L	5	-	*28*	*84*	*89*	*25*	2 U	*57*	1 U	5.0 U	5.0 U	5.0 U	*77*	5.0 U	5.0 U	5.0 U	*20*	5.0 U
Toluene	ug/L	1000	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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-Dichloroethene	ug/L	100	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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
Trichloroethene	ug/L	5	-	*21*	*84*	*84*	*21*	*2.1*	*28*	1 U	5.0 U	5.0 U	5.0 U	*25*	5.0 U	5.0 U	5.0 U	*8.8*	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	2 U	3 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U
Vinyl chloride	ug/L	2	-	10 U	10 U	10 U	2 U	0.46 J	3 U	1 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
Xylenes (total)	ug/L	10000	-	5 U	5 U	5 U	5 U	6 U	9 U	3 U	-	15 U	-	-	-	-	-	5.0 U	5.0 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample Name			GW-082311-DJB-105	MW2-1	MW-2	MW-1	MW-2	GW-111400-MR-08	W-082603-SLW-01	GW-121103-TL-002	WG-070704-SAG-002	GW-060805-CM-103	GW-060805-CM-104	GW-020707-SAG-301	GW-072507-SYJ-003	MW-2	MW-2	MW-2	MW-2	MW-2
Sample Date			8/23/2011	11/9/1994	3/15/1999	3/16/1999	11/13/2000	11/14/2000	8/26/2003	12/11/2003	7/7/2004	6/8/2005	6/8/2005	2/7/2007	7/25/2007	3/5/2008	3/5/2008	9/9/2008	9/9/2008	2/19/2009
Sample Type													Duplicate				Duplicate		Duplicate	
	Units	Type 1/3 RRS																		
Polychlorinated Biphenyls																				
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	1 U	2.1	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	0.49 J	0.48 J	0.50 U	0.50 U	0.5 U	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	2 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	1 U	1.0 U	1 U	2	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	1	1.0 U	1 U	1.0 U	1 U	2	0.48 U	0.27 J	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	0.69 J	1.0 U	14	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	-	-	0.50 U	0.50 U	0.5 U	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																				
Phenanthrene	ug/L	10	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	200	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 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	5.0 U
1,1,2-Trichloroethane	ug/L	5	5.0 U	-	-	2 U	-	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-
1,1-Dichloroethane	ug/L	4000	5.0 U	-	22	40	31 J	23 J	160	49	49	97.8	90.2	61	80	190	180	290	270	200
1,1-Dichloroethene	ug/L	7	5.0 U	-	5	11	7.5	1.8 J	7	6.3	5.3	8.9	9.5	5.5	5.2	5.9	6.2	9.5	11	6.6
1,2,3-Trichloropropane	ug/L	5	-	-	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	-	10 U	10 U	7.5	5 U	4.6 J	3.8	2.8	-	-	5.0 U	5.0 U	16	16	9.4	13	14
1,2-Dichlorobenzene	ug/L	600	5.0 U	-	10 U	10 U	5.0 U	5 U	9.4	6.5	6.9	-	-	9.2	8.7	18	19	21	24	30
1,2-Dichloroethane	ug/L	5	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 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	ug/L	600	5.0 U	-	10 U	10 U	5.0 U	2.7 J	12	9.4	8.6	-	-	13	13	27	27	31	38	46
1,4-Dichlorobenzene	ug/L	75	5.0 U	-	10 U	39	5.0 U	10	51	41	36	-	-	50	50	120	120	160	190	180
Acetone	ug/L	4000	50 U	-	0.1 U	100 U	20 U	20 U	20 U	10 U	12 U	25 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	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	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	-	-	10 U	-	10 U	5 U	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	-	-	-	-	-
Carbon disulfide	ug/L	4000	5.0 U	-	10 U	15	5.0 U	5 U	5 U	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	100	5.0 U	-	10 U	10 U	5.0 U	2.3 J	19	11	9.6	14.8	15.2	8.6	17	67	65	110	120	87
Chloroethane	ug/L	10	10 U	-	5.0 U	5 U	10 U	10 U	17	11	2.5 U	5.3	5.6	10 U	13	36	37	60	62	33
Chloroform (Trichloromethane)	ug/L	100	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	-	10 U	10 U	10 U	10 U	10 U	2 U	2.5 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	6.2	-	14	17	24	2.7 J	45	34	57	92.6	96	120	53	37	37	24	24	25
Cyclohexane	ug/L	5	5.0 U	-	-	-	-	-	5 U	3.4	2.5	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	-	10 U	10 U	100	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	-	2.0 U	6	5.0 U	5 U	1.2 J	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	5.0 U
Isopropyl benzene	ug/L	5	5.0 U	-	10 U	10 U	-	-	3.4 J	2.2	1.6 J	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	5	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	2 U	2.5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	5 U	-	-	5 U	-	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	12	-	69	23	110	17	19	27	15	14.2	14.1	17	50	72	71	36	42	19
Toluene	ug/L	1000	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 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-Dichloroethene	ug/L	100	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 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	5.0 U
Trichloroethene	ug/L	5	6.5	-	18	26	31	5.9	28	31	29	24.9	24.7	21	30	24	24	18	20	18
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	-	-	-	-	-	10 U	2 U	2.5 U	-	-	10 U	10 U	-	-	-	-	-
Vinyl chloride	ug/L	2	2.0 U	-	10 U	10 U	10 U	10 U	2 U	2 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	2.5
Xylenes (total)	ug/L	10000	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	6 U	7.5 U	3 U	3 U	15 U	5.0 U	-	-	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 1/3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted
August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample Name			MW-2	MW-2	MW-2	GW-081310-MLR-206	GW-081310-MLR-207	GW-022211-KDF-106	GW-082311-DJB-106	MW-3	GW-111300-MR-01	W-082603-SLW-02	W-082603-SLW-03	GW-121103-TL-004	WG-070804-SAG-006	WG-070804-SAG-007	GW-060805-CM-101
Sample Date			9/30/2009	9/30/2009	2/16/2010	8/13/2010	8/13/2010	2/22/2011	8/23/2011	3/15/1999	11/13/2000	8/26/2003	8/26/2003	12/11/2003	7/8/2004	7/8/2004	6/8/2005
Sample Type				Duplicate			Duplicate						Duplicate			Duplicate	
	Units	Type 1/3 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	21	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ	-	13.1
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	4.8 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	20	0.5 U	0.5 U	6.6	0.48 U	-	4.8 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	0.5 U	1.2 U	-	0.53	0.50 U	1 U	1 U	16	17	0.48 U	6.1	-	4.8 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	4.8 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ	-	4.8 U
Polycyclic Aromatic Hydrocarbons (PAH)																	
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U
1,1,2-Trichloroethane	ug/L	5	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U
1,1-Dichloroethane	ug/L	4000	170	170	170	64	63	65	50	22	31 J	18	-	15	21	17	30.5
1,1-Dichloroethene	ug/L	7	7.9	7.5	7.5	5.0 U	2.7 J	5.0 U	5.0 U	5	7.5	3.4 J	-	3.6	5.4	4.4	8.6
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	10 U	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	21	23	17	32	32	52	62	10 U	7.5	5 U	-	0.7 J	2.5 U	2 U	-
1,2-Dichlorobenzene	ug/L	600	30	32	28	34	33	32	32	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U
1,3-Dichlorobenzene	ug/L	600	58	61	59	72	72	76	73	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-
1,4-Dichlorobenzene	ug/L	75	240	260	24	270	290	270	290	10 U	5 U	5 U	-	2 U	2.5 U	2 U	-
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	20 U	20 U	-	10 U	12 U	10 U	25 U
Benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	2.3 J	-	0.8 J	0.85 J	1.5 J	0.8 J
Bromomethane (Methyl bromide)	ug/L	10	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	5 U	-	2 U	2.5 U	2 U	2 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5 U	5 U	-	2 U	2.5 U	2 U	2 U
Chlorobenzene	ug/L	100	77	77	91	100	100	90	99	10 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U
Chloroethane	ug/L	10	19	21	24	9.3 J	8.5 J	12	10 U	5 U	10 U	10 U	-	2 U	2.5 U	2 U	2 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	2 U	2.5 U	2 U	2 U
cis-1,2-Dichloroethene	ug/L	70	24	26	31	20	19	19	13	14	24	28	-	22	30	34	42.7
Cyclohexane	ug/L	5	5.0 U	5.0 U	5.0 U	2.7 J	2.5 J	5.0 U	5.0 U	-	-	5 U	-	2 U	2.5 U	1.2 J	-
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	100	5 U	-	2 U	2.5 U	2 U	1 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U
Isopropyl benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	-	5 U	-	0.73 J	1.2 J	1.8 J	-
Methylene chloride	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	-	2 U	2.5 U	2 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	-	-	-	-	5 U	-	5 U	-	-	-	-	-
Tetrachloroethene	ug/L	5	10	12	7.5	8.5	8.4	5.9	5.8	69	110	34	-	47	61	51	128
Toluene	ug/L	1000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1.3
trans-1,2-Dichloroethene	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U	2 U	1 U
Trichloroethene	ug/L	5	12	13	12	13	13	10	8.5	18	31	19	-	15	19	16	29.1
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	10 U	10 U	10 U	10 U	-	-	10 U	-	2 U	2.5 U	2 U	-
Vinyl chloride	ug/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	10 U	2 U	-	2 U	2.5 U	2 U	0.55 J
Xylenes (total)	ug/L	10000	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	-	6 U	7.5 U	6 U	3 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4
Sample Name			GW-020707-SAG-302	GW-020707-SAG-303	GW-072607-CRM-207	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	GW-081310-DJB-106	GW-022111-KDF-102	GW-082311-DJB-107	MW-4	GW-111300-MR-04	W-082603-SLW-04
Sample Date			2/7/2007	2/7/2007	7/26/2007	3/5/2008	3/5/2008	9/9/2008	9/9/2008	2/19/2009	2/19/2009	9/29/2009	9/29/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	3/17/1999	11/13/2000	8/26/2003
Sample Type				Duplicate			Duplicate		Duplicate		Duplicate		Duplicate							
	Units	Type 1/3 RRS																		
Polychlorinated Biphenyls																				
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	*8.8*	*8.7*	*15*	*13*	*14*	*14*	*16*	*11*	*10*	*6.7*	*5.9*	*9.1*	*8.4*	*5.8*	*4.5*	1 U	1 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U	1 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U
1,1-Dichloroethane	ug/L	4000	*19*	*19*	*25*	*12*	*-*	*14*	*13*	*19*	*24*	*8.4*	*-*	*18*	*10*	*13*	5.0 U	2 U	2.6 J	5 U
1,1-Dichloroethene	ug/L	7	5.0 U	5.0 U	*10*	5.0 U	-	5.0 U	5.0 U	*6.6*	*6.6*	*6.5*	-	*5.5*	3.8 J	5.0 U	5.0 U	2 U	5 U	5 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	*12*	*-*	*8.1*	*6.6*	5.0 U	5.0 U	5.0 U	-	*7.1*	*7.7*	5.0 U	5.0 U	10 U	5 U	5 U
1,2-Dichlorobenzene	ug/L	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	1.2 J	5.0 U	5.0 U	10 U	5 U	5 U
1,2-Dichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U
1,3-Dichlorobenzene	ug/L	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	2.0 J	5.0 U	5.0 U	10 U	5 U	5 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	*19*	*-*	*9.0*	*7.9*	*7.9*	*8.3*	5.0 U	-	*11*	*6.1*	5.0 U	*7.9*	10 U	*1.8 J*	5 U
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	-	50 U	50 U	50 U	50 U	50 U	-	50 U	50 U	50 U	50 U	100 U	20 U	20 U
Benzene	ug/L	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	5.0 U	5.0 U	5.0 U	2 U	*1.8 J*	1.9 J
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U	10 U	5 U
Carbon disulfide	ug/L	4000	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	5.0 U	5.0 U	5.0 U	10 U	5 U	5 U
Chlorobenzene	ug/L	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	1.1 J	5.0 U	5.0 U	10 U	5 U	5 U
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	5 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	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	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	*37*	*38*	*53*	*17*	*-*	*20*	*19*	*35*	*36*	*17*	*-*	*48*	*24*	*33*	*11*	*3*	4.3 J	5 U
Cyclohexane	ug/L	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	5.0 U	5.0 U	5.0 U	-	-	5 U
Dibromochloromethane	ug/L	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	5.0 U	5.0 U	5.0 U	10 U	3.9 J	5 U
Ethylbenzene	ug/L	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	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U
Isopropyl benzene	ug/L	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	5.0 U	5.0 U	5.0 U	10 U	-	5 U
Methylene chloride	ug/L	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	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-
o-Xylene	ug/L	10000	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 U	-	5 U
Tetrachloroethene	ug/L	5	*98*	*100*	*250*	*93*	*-*	*110*	*93*	*120*	*160*	*48*	*-*	*120*	*120*	*110*	*37*	2 U	4 J	5 U
Toluene	ug/L	1000	*8.6*	*8.5*	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	5.0 U	2 U	5 U	5 U
trans-1,2-Dichloroethene	ug/L	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	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U
Trichloroethene	ug/L	5	*19*	*19*	*55*	*13*	*-*	*14*	*13*	*20*	*25*	*12*	-	*25*	*23*	*20*	*10*	2 U	3.2 J	5 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	10 U	10 U	10 U	-	-	10 U
Vinyl chloride	ug/L	2	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	2.0 U	2.0 U	2.0 U	10 U	10 U	2 U
Xylenes (total)	ug/L	10000	15 U	15 U	5.0 U	-	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 1/3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted
August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-5*	*MW-5*	*MW-5*	*MW-5*
Sample Name			*GW-121103-TL-007*	*WG-070804-SAG-012*	*GW-060805-SAG-02*	*GW-060805-SAG-03*	*GW-020807-DJB-106*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*GW-022211-CRM-007*	*GW-082311-EAH-106*	*GW-111400-MR-07*	*W-082603-SLW-06*	*GW-121103-TL-001*	*WG-070704-SAG-001*
Sample Date			*12/11/2003*	*7/8/2004*	*6/8/2005*	*6/8/2005*	*2/8/2007*	*3/5/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*2/22/2011*	*8/23/2011*	*11/14/2000*	*8/26/2003*	*12/11/2003*	*7/7/2004*
Sample Type						*Duplicate*												
	Units	Type 1/3 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	-	-	-	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-	0.48 UJ
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	-	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-	0.48 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	-	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-	0.48 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-	0.48 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-	0.48 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-	0.48 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U	0.5 U	-	0.48 UJ
Polycyclic Aromatic Hydrocarbons (PAH)																		
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	200	1 U	1 U	1 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 U	5 U	1 U	1.7 U
1,1,2-Trichloroethane	ug/L	5	1 U	1 U	1 U	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5 U	5 U	1 U	1.7 U
1,1-Dichloroethane	ug/L	4000	0.89 J	*2.5*	*5.2*	-	5.0 U	*14*	*5.0*	*15*	5.0 U	*15*	*10*	5.0 U	*120 J*	*63*	*1.7*	*46*
1,1-Dichloroethene	ug/L	7	0.28 J	1 U	*1.6*	-	5.0 U	5.0 U	5.0 U	*5.4*	5.0 U	*5.9*	5.0 U	5.0 U	22	9.6	0.93 J	*6.2*
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	1 U	*1.1*	-	-	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 U	5 U	1 U	*2.6*
1,2-Dichlorobenzene	ug/L	600	1 U	0.34 J	-	-	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 U	5 U	1 U	1.7 U
1,2-Dichloroethane	ug/L	5	1 U	1 U	1 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 U	5 U	1 U	1.7 U
1,3-Dichlorobenzene	ug/L	600	1 U	0.4 J	-	-	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 U	5 U	1 U	1.7 U
1,4-Dichlorobenzene	ug/L	75	1 U	0.38 J	-	-	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 U	5 U	1 U	1.7 U
Acetone	ug/L	4000	2.9 J	5 U	25 U	-	50 U	50 U	50 U	50 U	*82*	50 U	50 U	50 U	20 U	20 U	5 U	8.4 U
Benzene	ug/L	5	*1.3*	*1.8*	*1.4*	-	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 U	5 U	0.2 J	1.7 U
Bromomethane (Methyl bromide)	ug/L	10	1 U	1 U	2 U	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	10 U	5 U	1 U	1.7 U
Carbon disulfide	ug/L	4000	1 U	1 U	2 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 U	5 U	1 U	1.7 U
Chlorobenzene	ug/L	100	1 U	1 U	1 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 U	5 U	1 U	1.7 U
Chloroethane	ug/L	10	1 U	1 U	1 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1.7 U
Chloroform (Trichloromethane)	ug/L	100	1 U	1 U	1 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 U	5 U	1 U	1.7 U
Chloromethane (Methyl chloride)	ug/L	3	1 U	1 U	2 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1.7 U
cis-1,2-Dichloroethene	ug/L	70	0.94 J	*3.5*	*7.5*	-	*5.9*	*14*	*5.2*	*18*	5.0 U	*20*	*15*	5.0 U	*63*	*43*	*3.3*	*34*
Cyclohexane	ug/L	5	1 U	1 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 U	1 U	1.7 U
Dibromochloromethane	ug/L	100	1 U	1 U	1 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 U	5 U	1 U	1.7 U
Ethylbenzene	ug/L	700	1 U	1 U	1 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 U	5 U	1 U	1.7 U
Isopropyl benzene	ug/L	5	1 U	1 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 U	1 U	1.7 U
Methylene chloride	ug/L	5	1 U	1 U	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	5 U	5 U	1 U	1.7 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5 U	-	-
Tetrachloroethene	ug/L	5	0.39 J	*2.3*	*3.6*	-	5.0 U	*14*	5.0 U	*7.3*	5.0 U	*5.2*	5.0 U	5.0 U	5 U	5 U	*20*	1.7 U
Toluene	ug/L	1000	1 U	0.22 J	0.63 J	-	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 U	5 U	1 U	1.7 U
trans-1,2-Dichloroethene	ug/L	100	1 U	1 U	1 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 U	5 U	1 U	1.7 U
Trichloroethene	ug/L	5	0.33 J	*1.3*	*3*	-	5.0 U	*5.1*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J	1.4 J	*7.5*	1.1 J
Trifluorotrichloroethane (Freon 113)	ug/L	2000	1 U	1 U	-	-	10 U	-	-	-	-	-	10 U	10 U	-	10 U	1 U	1.7 U
Vinyl chloride	ug/L	2	1 U	1 U	1 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	10 U	2 U	1 U	1.7 U
Xylenes (total)	ug/L	10000	3 U	3 U	3 U	-	15 U	-	-	-	-	-	5.0 U	5.0 U	5 U	5 U	3 U	5 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*
Sample Name			*GW-060805-SAG-01*	*GW-020707-DJB-102*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*GW-081210-DJB-103*	*GW-022111-KDF-101*	*GW-082311-DJB-104*	*GW-111400-MR-09*	*GW-091701-DJB-005*	*W-082703-SLW-07*	*GW-121103-TL-006*	*WG-070804-SAG-008*	*GW-060905-CM-105*
Sample Date			*6/8/2005*	*2/7/2007*	*3/6/2008*	*9/9/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/23/2011*	*11/14/2000*	*9/17/2001*	*8/27/2003*	*12/11/2003*	*7/8/2004*	*6/9/2005*
Sample Type																		
	Units	Type 1/3 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U	0.5 U	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U	0.5 U	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U	0.5 U	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U	0.5 U	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U	0.5 U	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U	0.5 U	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.50 U	-	-	-	-	-	-	-	-	1 U	0.5 U	0.5 U	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																		
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	200	1 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	5 U	1 U	5 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	5	1 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	1 U	5 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	4000	***98.6***	***89***	***96***	***46***	***29***	***18***	***10***	***5.0***	5.0 U	5.0 U	***16 J***	***27 J***	***36***	***31***	***26***	***59.4***
1,1-Dichloroethene	ug/L	7	***29.9***	***26***	***26***	***17***	***8.6***	***8.5***	5.0 U	2.8 J	5.0 U	5.0 U	3.8 J	***6.4***	***7.8***	***7.9***	***5.8***	***15.9***
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	1 U	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	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 U	1 U	5 U	1 U	1 U	-
1,2-Dichlorobenzene	ug/L	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 U	0.45 J	5 U	0.2 J	1 U	-
1,2-Dichloroethane	ug/L	5	1 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	5 U	1 U	5 U	0.11 J	1 U	1 U
1,3-Dichlorobenzene	ug/L	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 U	1 U	5 U	1 U	1 U	-
1,4-Dichlorobenzene	ug/L	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	5.0 U	5 U	1 U	5 U	1 U	1 U	-
Acetone	ug/L	4000	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	10 UJ	20 U	5 U	5 U	25 U
Benzene	ug/L	5	1 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	5 U	1 U	5 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	ug/L	10	2 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U	1 U	5 U	1 U	1 U	2 U
Carbon disulfide	ug/L	4000	2 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	5 U	1 U	5 U	1 U	1 U	2 U
Chlorobenzene	ug/L	100	1 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	5 U	1 U	5 U	1 U	1 U	1 U
Chloroethane	ug/L	10	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.9 J	10 U	1 U	1 U	2 U
Chloroform (Trichloromethane)	ug/L	100	1 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	5 U	1 U	5 U	1 U	1 U	1 U
Chloromethane (Methyl chloride)	ug/L	3	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.71 J	10 U	1 U	1 U	2 U
cis-1,2-Dichloroethene	ug/L	70	***61.9***	***62***	***58***	***26***	***20***	***12***	***9.8***	***5.2***	5.0 U	5.0 U	***9.5***	***16***	***25***	***25***	***19***	***39.6***
Cyclohexane	ug/L	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 U	1 U	1 U	-
Dibromochloromethane	ug/L	100	1 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	5 U	1 U	5 U	1 U	1 U	1 U
Ethylbenzene	ug/L	700	1 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	5 U	1 U	5 U	1 U	1 U	1 U
Isopropyl benzene	ug/L	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 U	5 U	1 U	1 U	-
Methylene chloride	ug/L	5	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	5.0 U	5 U	2 U	5 U	1 U	1 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	1 UJ	-	-	-	-
o-Xylene	ug/L	10000	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5 U	-	-	-
Tetrachloroethene	ug/L	5	1 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	5 U	1 U	5 U	1 U	1 U	1 U
Toluene	ug/L	1000	1 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	5 U	1 U	5 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	100	1 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	5 U	1 U	5 U	1 U	1 U	1 U
Trichloroethene	ug/L	5	***3.6***	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 U	***1.2***	5 U	0.64 J	0.49 J	0.75 J
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	-	-	-	-	-	10 U	10 U	10 U	-	-	10 U	1 U	1 U	-
Vinyl chloride	ug/L	2	0.62 J	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	10 U	2 U	2 U	0.22 J	1 U	1 U
Xylenes (total)	ug/L	10000	3 U	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	3 U	5 U	3 U	3 U	3 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-7*	*MW-7*	*MW-7*	*MW-7*
Sample Name			*GW-020807-SAG-304*	*GW-072607-SYJ-004*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*GW-081210-MLR-205*	*GW-022211-CRM-009*	*GW-082211-DJB-102*	*GW-082211-DJB-103*	*GW-111300-MR-02*	*GW-111300-MR-03*	*GW-091701-DJB-001*	*GW-091701-DJB-002*
Sample Date			*2/8/2007*	*7/26/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/22/2011*	*8/22/2011*	*8/22/2011*	*11/13/2000*	*11/13/2000*	*9/17/2001*	*9/17/2001*
Sample Type													*Duplicate*		*Duplicate*		*Duplicate*
	Units	Type 1/3 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	-	-	-	-	-	-	-	-	-	-	1 U	1 U	0.5 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	-	-	-	-	-	-	-	-	-	-	1 U	1 U	0.5 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	-	-	-	-	-	-	-	-	-	-	1 U	1 U	0.5 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	-	-	-	-	-	-	-	-	-	-	1 U	1 U	0.5 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	-	-	-	-	-	-	-	-	-	-	1 U	1 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	-	-	-	-	-	-	-	-	-	-	1 U	1 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	-	-	-	-	-	-	-	-	-	-	1 U	1 U	0.5 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																	
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	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	5.0 U	15 U	5 U	1 U	-
1,1,2-Trichloroethane	ug/L	5	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	15 U	5 U	1 U	-
1,1-Dichloroethane	ug/L	4000	***48***	***29***	***53***	***26***	***29***	***18***	***17***	***16***	***9.3***	***8.3***	***8.7***	***20 J***	***21 J***	***35 J***	-
1,1-Dichloroethene	ug/L	7	***13***	***8.1***	***16***	***6.2***	***9.0***	***8.4***	***5.0***	***7.4***	5.0 U	5.0 U	5.0 U	15 U	3.2 J	***4.9***	-
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1 U	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.5 J	5.0 U	5.0 U	5.0 U	***520***	***480***	***330***	-
1,2-Dichlorobenzene	ug/L	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	5.0 U	***19***	***20***	***15***	-
1,2-Dichloroethane	ug/L	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	5.0 U	15 U	5 U	0.53 J	-
1,3-Dichlorobenzene	ug/L	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	5.0 U	***8.8 J***	***9.9***	***8.3***	-
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U	5.0 U	***52***	***53***	***48***	-
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	60 U	20 U	10 UJ	-
Benzene	ug/L	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	5.0 U	15 U	4.3 J	***4.5***	-
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	30 U	10 U	1 U	-
Carbon disulfide	ug/L	4000	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	5.0 U	15 U	5 U	1 U	-
Chlorobenzene	ug/L	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	5.0 U	***40***	***41***	***50***	-
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	***5.7 J***	10 U	10 U	10 U	30 U	10 U	2 UJ	-
Chloroform (Trichloromethane)	ug/L	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	5.0 U	15 U	5 U	0.27 J	-
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	30 U	10 U	0.82 J	-
cis-1,2-Dichloroethene	ug/L	70	***37***	***19***	***55***	***17***	***55***	***47***	***40***	***45***	***33***	***28***	***29***	9.1 J	***9.4***	***12***	-
Cyclohexane	ug/L	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	5.0 U	-	-	-	-
Dibromochloromethane	ug/L	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	5.0 U	***12 J***	***14***	1 U	-
Ethylbenzene	ug/L	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	5.0 U	15 U	5 U	1 U	-
Isopropyl benzene	ug/L	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	5.0 U	-	-	***2.3***	-
Methylene chloride	ug/L	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	5.0 U	15 U	5 U	2 U	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	***16 J***	-
o-Xylene	ug/L	10000	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***6.6***	5.0 U	5.0 U	5.0 U	***14 J***	***14***	***23***	-
Toluene	ug/L	1000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U	5.0 U	15 U	5 U	1 U	-
trans-1,2-Dichloroethene	ug/L	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	5.0 U	15 U	5 U	1 U	-
Trichloroethene	ug/L	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	5.0 U	***15***	***16***	***22***	-
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	-	-	-	-
Vinyl chloride	ug/L	2	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	2.0 U	30 U	10 U	2 U	-
Xylenes (total)	ug/L	10000	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	15 U	2.1 J	1.6 J	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 1/3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted
August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*
Sample Name			*W-082703-SLW-08*	*GW-121203-TL-008*	*GW-121203-TL-010*	*WG-070704-SAG-003*	*GW-060905-DJB-004*	*GW-020807-SAG-308*	*GW-072507-SYJ-001*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*GW-081210-DJB-101*	*GW-022111-CRM-003*	*GW-022111-CRM-004*
Sample Date			*8/27/2003*	*12/12/2003*	*12/12/2003*	*7/7/2004*	*6/9/2005*	*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/9/2008*	*2/19/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*2/21/2011*
Sample Type					*Duplicate*												*Duplicate*
	Units	Type 1/3 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																	
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	200	5 U	1 U	1 U	1 U	1 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	5.0 U
1,1,2-Trichloroethane	ug/L	5	5 U	1 U	1 U	***1.3***	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	***9.4***	***1.6***	***2***	***3.2***	***1.9***	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-Dichloroethene	ug/L	7	1.1 J	1 U	1 U	1 U	1 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	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***110***	***4***	***4.7***	***15***	-	5.0 U	5.0 U	***33***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	***6.5***	***1.2***	***1.3***	***2.1***	-	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
1,2-Dichloroethane	ug/L	5	5 U	1 U	1 U	0.32 J	1 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	5.0 U
1,3-Dichlorobenzene	ug/L	600	3 J	0.92 J	***1***	***1***	-	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	ug/L	75	***27***	***6.6***	***7.4***	***7.3***	-	5.0 U	5.0 U	***7.0***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	4000	20 U	5 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	1.1 J	1 U	1 U	0.36 J	1 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	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	5 U	1 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	5 U	1 U	1 U	1 U	2 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	5.0 U
Chlorobenzene	ug/L	100	***20***	***3.5***	***3.9***	***6***	0.58 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.29 J	5.0 U	5.0 U
Chloroethane	ug/L	10	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5 U	1 U	1 U	1 U	1 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	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	2.9 J	0.65 J	0.47 J	0.92 J	1 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	5.0 U
Cyclohexane	ug/L	5	5 U	1 U	1 U	1 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	5.0 U
Dibromochloromethane	ug/L	100	5 U	1 U	1 U	***1.5***	1 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	5.0 U
Ethylbenzene	ug/L	700	5 U	1 U	1 U	1 U	1 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	5.0 U
Isopropyl benzene	ug/L	5	5 U	1 U	1 U	1 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	5.0 U
Methylene chloride	ug/L	5	5 U	1 U	1 U	1 U	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	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5 U	-	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Tetrachloroethene	ug/L	5	***6.1***	0.25 J	0.3 J	***1.8***	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***5.4***	5.0 U	5.0 U
Toluene	ug/L	1000	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.5 J	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	100	5 U	1 U	1 U	1 U	1 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	5.0 U
Trichloroethene	ug/L	5	4.8 J	0.31 J	0.22 J	***1.4***	1 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	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	1 U	1 U	1 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U
Vinyl chloride	ug/L	2	2 U	1 U	1 U	1 U	1 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	2.0 U
Xylenes (total)	ug/L	10000	5 U	3 U	3 U	3 U	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-7*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*
Sample Name			*GW-082311-EAH-104*	*GW-091701-DJB-003*	*GW-091701-DJB-004*	*W-082703-SLW-09*	*GW-121203-TL-011*	*WG-070704-SAG-004*	*GW-060905-DJB-005*	*GW-020807-SAG-307*	*GW-072507-SYJ-002*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*MW-8*	*GW-081210-MLR-202*
Sample Date			*8/23/2011*	*9/17/2001*	*9/17/2001*	*8/27/2003*	*12/12/2003*	*7/7/2004*	*6/9/2005*	*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*
Sample Type					*Duplicate*												
	Units	Type 1/3 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	0.5 U	-	0.5 U	-	*1.4*	0.5 U	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U	0.50 U	0.50 U	-	0.5 U	-	-	0.5 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																	
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	200	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 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
1,1,2-Trichloroethane	ug/L	5	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
1,1-Dichloroethane	ug/L	4000	5.0 U	*11*	*14*	4.8 J	*23*	*25*	*3.9*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.48 J
1,1-Dichloroethene	ug/L	7	5.0 U	7.1 U	10 U	5 U	2	*1.6 J*	1 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-Trichloropropane	ug/L	5	-	7.1 U	10 U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	*160*	*170*	*48*	*250*	*63*	-	*130*	*63*	*190*	*140*	*130*	*120*	*17*	*63*
1,2-Dichlorobenzene	ug/L	600	5.0 U	*13*	*13*	3.1 J	*7.4*	*8.4*	-	*11*	*8.8*	*14*	*12*	*14*	*11*	*11*	*12*
1,2-Dichloroethane	ug/L	5	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 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	ug/L	600	5.0 U	*11*	*11*	3.5 J	*8.7*	*11*	-	*26*	*21*	*43*	*39*	*44*	*50*	*7.8*	*54*
1,4-Dichlorobenzene	ug/L	75	5.0 U	*57*	*57*	*13*	*35*	*41*	-	*95*	*83*	*170*	*180*	*170*	*220*	35	*240*
Acetone	ug/L	4000	50 U	71 UJ	*29 J*	20 U	10 U	15 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5.0 U	*11*	*13*	*20*	*11*	*9.1*	*3.1*	5.0 U	5.0 U	5.0 U	*5.7*	*6.5*	*5.3*	5.0 U	*8.6*
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
Carbon disulfide	ug/L	4000	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 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	ug/L	100	5.0 U	*45*	*50*	*15*	*37*	*39*	*15.9*	*39*	*39*	*38*	*39*	*40*	*31*	5.0 U	*38*
Chloroethane	ug/L	10	10 U	14 U	20 U	10 U	2 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 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
Chloromethane (Methyl chloride)	ug/L	3	10 U	14 U	20 U	10 U	2 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	5.0 U	*10*	*13*	1.9 J	*7.4*	*7*	*1.4*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	5	5.0 U	-	-	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J
Dibromochloromethane	ug/L	100	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 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	ug/L	700	5.0 U	2.5 J	2.5 J	5 U	*2.6*	*3.2*	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.65 J
Isopropyl benzene	ug/L	5	5.0 U	2.5 J	2.2 J	*6.7*	1.9 J	1.4 J	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*5.9*	5.0 U	*5.6*
Methylene chloride	ug/L	5	5.0 U	14 U	20 U	5 U	2 U	3 U	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
Naphthalene	ug/L	20	-	*48*	*35*	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	5 U	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Tetrachloroethene	ug/L	5	5.0 U	7.1 U	10 U	5 U	*3.5*	*3.5*	*1.2*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	1000	5.0 U	7.1 U	10 U	5 U	0.42 J	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J
trans-1,2-Dichloroethene	ug/L	100	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 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
Trichloroethene	ug/L	5	5.0 U	7.1 U	2.9 J	1.2 J	*6.4*	*6*	*1.3*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	-	-	10 U	2 U	3 U	-	10 U	10 U	-	-	-	-	-	10 U
Vinyl chloride	ug/L	2	2.0 U	14 U	20 U	2 U	2 U	3 U	1 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
Xylenes (total)	ug/L	10000	5.0 U	21 U	30 U	5 U	*2.2 J*	1.7 J	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 1/3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted
August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-8*	*MW-8*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*
Sample Name			*GW-022111-CRM-002*	*GW-082211-EAH-102*	*GW-091701-DJB-006*	*GW-121203-TL-012*	*WG-070804-SAG-009*	*GW-060905-CM-107*	*GW-020807-DJB-104*	*GW-072507-CRM-201*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*GW-081210-MLR-201*	*GW-022111-CRM-001*
Sample Date			*2/21/2011*	*8/22/2011*	*9/17/2001*	*12/12/2003*	*7/8/2004*	*6/9/2005*	*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*
Sample Type																	
	Units	Type 1/3 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 UJ	-	*1.8*	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-	-	0.5 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																	
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	200	5.0 U	5.0 U	2 U	1 U	1 U	1 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
1,1,2-Trichloroethane	ug/L	5	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	*6.3*	*4.6*	*3.4*	*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	5.0 U
1,1-Dichloroethene	ug/L	7	5.0 U	5.0 U	2 U	0.23 J	1 U	1 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
1,2,3-Trichloropropane	ug/L	5	-	-	2 U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	*97*	*30*	*49*	*37*	*14*	-	*8.0*	5.0 U	*7.3*	5.0 U	5.0 U	*7.5*	5.0 U	1.8 J	5.0 U
1,2-Dichlorobenzene	ug/L	600	*13*	*5.9*	*6.4*	*4*	*3.2*	-	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
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	2 U	1 U	1 U	1 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	ug/L	600	*62*	*28*	*4.1*	*4*	*2.5*	-	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
1,4-Dichlorobenzene	ug/L	75	*250*	*140*	*25*	*18*	*11*	-	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
Acetone	ug/L	4000	50 U	50 U	*13 J*	5 U	5 U	*5.3 J*	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5.0 U	5.0 U	2 U	1 U	1 U	1 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
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	5.0 U	2 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	2 U	1 U	1 U	2 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	ug/L	100	*33*	*23*	*10*	*4.6*	*3.7*	1 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
Chloroethane	ug/L	10	10 U	10 U	4 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	2 U	1 U	1 U	1 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
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	*2 J*	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	5.0 U	5.0 U	0.75 J	*1*	0.8 J	1 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
Cyclohexane	ug/L	5	5.0 U	5.0 U	-	1 U	1 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	ug/L	100	5.0 U	5.0 U	2 U	1 U	1 U	1 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	ug/L	700	5.0 U	5.0 U	2 U	1 U	1 U	1 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	ug/L	5	5.0 U	5.0 U	2 U	1 U	1 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
Methylene chloride	ug/L	5	5.0 U	5.0 U	4 U	1 U	1 U	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	5.0 U
Naphthalene	ug/L	20	-	-	2 U	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	2 U	0.9 J	0.38 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*5.5*	5.0 U
Toluene	ug/L	1000	5.0 U	5.0 U	2 U	1 U	1 U	1 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	5.0 U
trans-1,2-Dichloroethene	ug/L	100	5.0 U	5.0 U	2 U	1 U	1 U	1 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
Trichloroethene	ug/L	5	5.0 U	5.0 U	2 U	0.88 J	0.56 J	1 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	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	1 U	1 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U
Vinyl chloride	ug/L	2	2.0 U	2.0 U	4 U	1 U	1 U	1 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
Xylenes (total)	ug/L	10000	5.0 U	5.0 U	6 U	3 U	3 U	3 U	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-9	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
Sample Name			GW-082211-DJB-101	W-082703-SLW-10	W-082703-SLW-20	GW-121103-TL-005	WG-070804-SAG-011	GW-060805-CM-102	GW-020807-DJB-105	GW-072607-CRM-208	MW-10	MW-10	MW-10	MW-10	MW-10	GW-081210-DJB-102	GW-022211-KDF-105	GW-082311-EAH-105
Sample Date			8/22/2011	8/27/2003	8/27/2003	12/11/2003	7/8/2004	6/8/2005	2/8/2007	7/26/2007	3/5/2008	9/10/2008	2/20/2009	9/30/2009	2/16/2010	8/12/2010	2/22/2011	8/23/2011
Sample Type					Duplicate													
	Units	Type 1/3 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	0.5	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	0.5 U	-	0.48 U	-	-	0.50 U	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																		
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	200	5.0 U	5 U	5 U	10 U	3 U	1 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	5.0 U
1,1,2-Trichloroethane	ug/L	5	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	5.0 U	5 U	5 U	*30*	1.9 J	*2.2*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.83 J	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	7	5.0 U	5 U	5 U	10 U	3 U	1 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	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5 U	5 U	*170*	3 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	*26*	5.0 U
1,2-Dichlorobenzene	ug/L	600	5.0 U	5 U	5 U	9.1 J	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.1 J	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	5.0 U	5 U	5 U	10 U	3 U	1 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	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5 U	5 U	9.9 J	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.3 J	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	4.3 J	4.3 J	*42*	2.9 J	-	*7.4*	*8.2*	*11*	*17*	*15*	*14*	*14*	*16*	*12*	*20*
Acetone	ug/L	4000	50 U	20 U	20 U	50 U	15 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5.0 U	*17*	*17*	*15*	*9.2*	*9.4*	*5.6*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.77 J	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	5 U	5 U	10 U	3 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	5.0 U	5 U	5 U	10 U	3 U	2 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	5.0 U
Chlorobenzene	ug/L	100	5.0 U	*38*	*38*	*45*	*31*	*31.9*	*19*	*13*	*7.6*	5.0 U	*6.6*	*8.5*	*8.8*	3.1 J	5.0 U	5.0 U
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5 U	5 U	10 U	3 U	1 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	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	5.0 U	1.5 J	1.4 J	*10*	1.8 J	*1.9*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*2.2 J*	5.0 U	5.0 U
Cyclohexane	ug/L	5	5.0 U	*13*	*13*	10 U	*3.6*	-	*15*	*13*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*10.0*	5.0 U	*9.6*
Dibromochloromethane	ug/L	100	5.0 U	5 U	5 U	10 U	3 U	1 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	5.0 U
Ethylbenzene	ug/L	700	5.0 U	*140*	*130*	2.9 J	*85*	*108*	*110*	*130*	*76*	*68*	*54*	*49*	*49*	*38*	*24*	*12*
Isopropyl benzene	ug/L	5	5.0 U	*30*	*31*	10 U	*14*	-	*31*	*32*	*22*	*29*	*28*	*24*	*27*	*28*	*18*	*20*
Methylene chloride	ug/L	5	5.0 U	5 U	5 U	10 U	3 U	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	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5 U	5 U	-	-	-	5.0 U	-	*5.9*	*5.5*	*6.1*	*7.0*	5.0 U	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	5 U	5 U	*6 J*	3 U	1 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	5.0 U
Toluene	ug/L	1000	5.0 U	5 U	5 U	10 U	3 U	0.97 J	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-Dichloroethene	ug/L	100	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U
Trichloroethene	ug/L	5	5.0 U	5 U	5 U	*7.1 J*	3 U	1 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	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	10 U	10 U	3 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U
Vinyl chloride	ug/L	2	2.0 U	2 U	2 U	10 U	3 U	1 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	2.0 U
Xylenes (total)	ug/L	10000	5.0 U	5 U	5 U	30 U	*15*	*17.1*	15 U	*28*	-	-	-	-	-	*11*	5.0 U	5.0 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-12*
Sample Name			*W-102703-SLW-01*	*GW-121203-TL-009*	*WG-070804-SAG-010*	*GW-060905-CM-106*	*GW-020807-DJB-103*	*GW-072507-CRM-202*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*MW-11*	*GW-081210-MLR-203*	*GW-022111-CRM-005*	*GW-082211-EAH-101*	*GW-020707-DJB-101*
Sample Date			*10/27/2003*	*12/12/2003*	*7/8/2004*	*6/9/2005*	*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/22/2011*	*2/7/2007*
Sample Type																	
	Units	Type 1/3 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U	0.50 U	0.50 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																	
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	200	5 U	1 U	1 U	1 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	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	5	5 U	1 U	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	5 U	1 U	1 U	1 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	5.0 U	***44***
1,1-Dichloroethene	ug/L	7	5 U	1 U	1 U	1 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	5.0 U	***16***
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5 U	1 U	***3.8***	-	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	***6.1***
1,2-Dichlorobenzene	ug/L	600	5 U	***3.3***	***7***	-	5.0 U	***5.3***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	5 U	1 U	1 U	1 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	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5 U	1 U	1 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	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5 U	1 U	0.36 J	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***1.3 J***	5.0 U	5.0 U	5.0 U
Acetone	ug/L	4000	20 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5 U	0.56 J	0.82 J	1 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	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	10	5 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	5 U	1 U	1 U	2 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	5.0 U	5.0 U
Chlorobenzene	ug/L	100	5 U	***2.4***	***3.5***	***3.2***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.6 J	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	10	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5 U	1 U	0.27 J	***1.3***	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	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	70	5 U	0.47 J	1 U	1 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	5.0 U	***65***
Cyclohexane	ug/L	5	5 U	1 U	1 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	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Isopropyl benzene	ug/L	5	5 U	1 U	1 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	5.0 U	5.0 U
Methylene chloride	ug/L	5	5 U	1 U	1 U	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	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5 U	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U
Tetrachloroethene	ug/L	5	5 U	1 U	1 U	1 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	5.0 U	***250***
Toluene	ug/L	1000	5 U	1 U	1 U	1 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	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	100	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Trichloroethene	ug/L	5	5 U	1 U	1 U	1 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	5.0 U	***56***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	1 U	1 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U
Vinyl chloride	ug/L	2	2 U	1 U	1 U	1 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	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	5 U	3 U	3 U	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 1/3 RRS but above reporting limits are shown in blue

Detection above Type 1/3 RRS are shown in red and highlighted

August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12D	MW-12D	MW-12D	MW-12D	MW-13	MW-13	MW-13
Sample Name			GW-072507-CRM-206	MW-12	MW-12	MW-12	MW-12	MW-12	GW-081310-MLR-208	GW-022111-KDF-104	GW-082311-EAH-107	GW-081310-MLR-209	MW-12D	GW-022211-KDF-107	GW-082311-EAH-108	GW-081210-MLR-204	MW-13	GW-022211-CRM-008
Sample Date			7/25/2007	3/6/2008	9/9/2008	2/19/2009	9/30/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	8/13/2010	2/21/2011	2/22/2011	8/23/2011	8/12/2010	2/21/2011	2/22/2011
Sample Type																		
	Units	Type 1/3 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	***12***	***19***	0.50 U	***3.5***	***6.5***	***6.5***	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	***5.2***	0.5 U	***7.4***	***4.4***	***4.2***	1.2 U	0.50 U	***8.1***	0.12 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																		
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	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
1,1-Dichloroethane	ug/L	4000	***41***	***47***	***39***	***25***	***28***	***14***	***19***	***13***	5.0 U	***18***	***17***	***17***	***17***	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	7	***19***	***14***	***15***	***7.2***	***11***	5.0 U	***9.2***	5.0 U	5.0 U	***9.6***	***6.0***	***6.0***	***6.4***	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***57***	***480***	***5.5***	***26***	***480***	***38***	***730***	***710***	***710***	***260***	***370***	***370***	***210***	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.8 J	5.0 U	5.0 U	***1.8 J***	5.0 U	5.0 U	5.0 U	***1.5 J***	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	5.0 U	5.0 U	***0.81 J***	5.0 U	5.0 U	5.0 U	***3.9 J***	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	***7.3***	***9.4***	***5.4***	***8.7***	***6.9***	***5.1***	***2.6 J***	***5.1***	***5.1***	5.0 U	***21***	***13***	***13***
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.53 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***19***	***22***	***22***
Bromomethane (Methyl bromide)	ug/L	10	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
Carbon disulfide	ug/L	4000	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	-	5.0 U	5.0 U	5.0 U	-	5.0 U
Chlorobenzene	ug/L	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	5.0 U	5.0 U	5.0 U	***38***	***28***	***28***
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	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	***1.2 J***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U
cis-1,2-Dichloroethene	ug/L	70	***56***	***51***	***48***	***38***	***48***	***32***	***41***	***33***	***8.9***	***38***	***44***	***44***	***33***	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	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	5.0 U	5.0 U	5.0 U	***8.6***	5.0 U	5.0 U
Dibromochloromethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	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	5.0 U	5.0 U	5.0 U	***7.8***	***9.2***	***9.2***
Isopropyl benzene	ug/L	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	5.0 U	5.0 U	5.0 U	***19***	***15***	***15***
Methylene chloride	ug/L	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	-	5.0 U	5.0 U	5.0 U	-	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	***260***	***300***	***200***	***170***	***220***	***140***	***280***	***220***	***130***	***220***	***230***	***230***	***170***	5.0 U	5.0 U	5.0 U
Toluene	ug/L	1000	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	5	***76***	***66***	***37***	***32***	***49***	***28***	***55***	***40***	***14***	***58***	***59***	***59***	***48***	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U
Vinyl chloride	ug/L	2	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***6.6***	***5.2***	***5.2***

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 1/3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted
August 2011 Groundwater data are highlighted in blue

TABLE 3.8A

CURRENT REGULATED COCS IN GOUNDWATER - TYPE 1
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-13	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	B-40	B-42	B-50
Sample Name			GW-082211-EAH-103	RW-1	RW-1	RW-1	RW-1	RW-1	GW-081210-DJB-104	GW-022111-KDF-103	GW-082311-DJB-108	GW-060603-DB-04	GW-060603-DB-01	GW-060603-DB-02
Sample Date			8/22/2011	3/5/2008	9/9/2008	2/19/2009	9/29/2009	2/17/2010	8/12/2010	2/21/2011	8/23/2011	6/6/2003	6/6/2003	6/6/2003
Sample Type														
	Units	Type 1/3 RRS												
Polychlorinated Biphenyls														
Aroclor-1016 (PCB-1016)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	***4.3 J***	***66 J***	***11 J***
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.5 U	***11***	***7.0***	***8.3***	***6.0***	***14***	***3.8***	***5.7***	1 U	1 U	1 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	***11***	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	***4.9***	***3.8***	0.5 U	***3.6***	***2.5***	***2.7***	***2.1***	***3.2***	1 U	1 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.5 U	0.5 U	***2.9***	0.5 U	0.5 U	***1.2***	***0.68***	0.50 U	1 U	***6.3 J***	1 U
Polycyclic Aromatic Hydrocarbons (PAH)														
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds														
1,1,1-Trichloroethane	ug/L	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	-	-	-
1,1,2-Trichloroethane	ug/L	5	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	***10***	5.0 U	5.0 U	5.0 U	***1.9 J***	5.0 U	5.0 U	-	-	-
1,1-Dichloroethene	ug/L	7	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	-	-	-
1,2,3-Trichloropropane	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	***10***	***5.0***	***5.0 U***	***19***	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	***7.3***	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
1,2-Dichloroethane	ug/L	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	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	***6.9***	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
1,4-Dichlorobenzene	ug/L	75	***6.8***	***8.4***	5.0 U	5.0 U	***29***	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Acetone	ug/L	4000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	-	-	-
Benzene	ug/L	5	***31***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Bromomethane (Methyl bromide)	ug/L	10	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.9 J	5.0 U	5.0 U	-	-	-
Chlorobenzene	ug/L	100	***25***	5.0 U	5.0 U	5.0 U	***6.2***	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Chloroethane	ug/L	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-
Chloroform (Trichloromethane)	ug/L	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	-	-	-
Chloromethane (Methyl chloride)	ug/L	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-
cis-1,2-Dichloroethene	ug/L	70	5.0 U	5.0 U	***12***	5.0 U	5.0 U	5.0 U	***2.4 J***	5.0 U	5.0 U	-	-	-
Cyclohexane	ug/L	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	-	-	-
Dibromochloromethane	ug/L	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	ug/L	700	***11***	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	ug/L	5	***14***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Methylene chloride	ug/L	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	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	***16***	***55***	5.0 U	***9.8***	***9.3***	***10***	5.0 U	***9.4***	-	-	-
Toluene	ug/L	1000	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-Dichloroethene	ug/L	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	-	-	-
Trichloroethene	ug/L	5	5.0 U	5.0 U	***8.7***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	-	-	-	-	-	10 U	10 U	10 U	-	-	-
Vinyl chloride	ug/L	2	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	-	-	-
Xylenes (total)	ug/L	10000	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 1/3 RRS but above reporting limits are shown in blue
Detection above Type 1/3 RRS are shown in red and highlighted
August 2011 Groundwater data are highlighted in blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*
Sample Name			*MW1-1*	*MW-2*	*GW-111300-MR-05*	*GW-111300-MR-06*	*W-082603-SLW-05*	*GW-121103-TL-003*	*WG-070804-SAG-005*	*GW-060805-SAG-04*	*GW-020807-SAG-305*	*GW-020807-SAG-306*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*MW-1*	*GW-081310-DJB-105*
Sample Date			*11/11/1994*	*3/17/1999*	*11/13/2000*	*11/13/2000*	*8/26/2003*	*12/11/2003*	*7/8/2004*	*6/8/2005*	*2/8/2007*	*2/8/2007*	*3/6/2008*	*9/10/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/13/2010*
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	2 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	1 U	1 U	1 U	1 U	0.5 U	-	-	-	0.50 U	0.50 U	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	-	2 U	5 U	4.2 J	5 U	2 U	3 U	1 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
1,1,2-Trichloroethane	ug/L	46.4	-	2 U	5 U	5 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
1,1-Dichloroethane	ug/L	4000	-	*7*	*27 J*	*27 J*	*9.5*	*63*	*9.3*	1 U	5.0 U	5.0 U	5.0 U	*10*	5.0 U	5.0 U	5.0 U	*2.3 J*
1,1-Dichloroethene	ug/L	524	-	*5*	*17*	*17*	3 J	*18*	1.8 J	1 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	ug/L	5	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	-	10 U	5 U	5 U	5 U	2 U	3 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-Dichlorobenzene	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3 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-Dichloroethane	ug/L	5	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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	ug/L	600	-	10 U	5 U	5 U	5 U	2 U	3 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	ug/L	75	-	10 U	5 U	5 U	5 U	2 U	3 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
Acetone	ug/L	45600	-	100 U	20 U	20 U	20 U	10 U	15 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	-	2 U	1.9 J	1.8 J	5 U	2 U	3 U	1 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
Bromomethane (Methyl bromide)	ug/L	13	-	10 U	10 U	10 U	5 U	2 U	3 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
Carbon disulfide	ug/L	4000	-	10 U	5 U	5 U	5 U	2 U	3 U	2 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	ug/L	136	-	10 U	5 U	5 U	5 U	2 U	3 U	1 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	ug/L	29200	-	5 U	10 U	10 U	10 U	*1 J*	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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
Chloromethane (Methyl chloride)	ug/L	263	-	10 U	10 U	10 U	10 U	2 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	-	*4*	*22*	*22*	*16*	*44*	*24*	1 U	5.0 U	5.0 U	5.0 U	*19*	5.0 U	5.0 U	5.0 U	4.8 J
Cyclohexane	ug/L	17500	-	-	-	-	5 U	2 U	3 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	ug/L	100	-	10 U	*80*	5 U	5 U	2 U	3 U	1 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	ug/L	700	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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	ug/L	1050	-	10 U	-	-	5 U	2 U	3 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
Methylene chloride	ug/L	119	-	5 U	5 U	5 U	5 U	2 U	3 U	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
Naphthalene	ug/L	20	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5 U	-	-	5 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Tetrachloroethene	ug/L	5	-	*28*	*84*	*89*	*25*	2 U	*57*	1 U	5.0 U	5.0 U	5.0 U	*77*	5.0 U	5.0 U	5.0 U	*20*
Toluene	ug/L	5240	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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-Dichloroethene	ug/L	161	-	2 U	5 U	5 U	5 U	2 U	3 U	1 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
Trichloroethene	ug/L	28.6	-	*21*	*84*	*84*	*21*	*2.1*	*28*	1 U	5.0 U	5.0 U	5.0 U	*25*	5.0 U	5.0 U	5.0 U	*8.8*
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	2 U	3 U	-	10 U	10 U	-	-	-	-	-	10 U
Vinyl chloride	ug/L	3.27	-	10 U	10 U	10 U	2 U	0.46 J	3 U	1 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
Xylenes (total)	ug/L	10000	-	5 U	5 U	5 U	5 U	6 U	9 U	3 U	-	15 U	-	-	-	-	-	5.0 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 4 RRS but above reporting limits are shown in blue

Detection above Type 4 RRS are shown in red and highlighted

August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-1*	*MW-1*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*	*MW-2*
Sample Name			*GW-022111-CRM-006*	*GW-082311-DJB-105*	*MW2-1*	*MW-2*	*MW-1*	*MW-2*	*GW-111400-MR-08*	*W-082603-SLW-01*	*GW-121103-TL-002*	*WG-070704-SAG-002*	*GW-060805-CM-103*	*GW-060805-CM-104*	*GW-020707-SAG-301*	*GW-072507-SYJ-003*	*MW-2*	*MW-2*
Sample Date			*2/21/2011*	*8/23/2011*	*11/9/1994*	*3/15/1999*	*3/16/1999*	*11/13/2000*	*11/14/2000*	*8/26/2003*	*12/11/2003*	*7/7/2004*	*6/8/2005*	*6/8/2005*	*2/7/2007*	*7/25/2007*	*3/5/2008*	*3/5/2008*
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	-	1 U	*2.1*	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	0.49 J	*0.48 J*	0.50 U	0.50 U	0.5 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	2 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	1 U	1.0 U	1 U	*2*	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	*1*	1.0 U	1 U	1.0 U	1 U	*2*	0.48 U	0.27 J	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	*0.69 J*	1.0 U	*14*	1.0 U	1 U	0.5 U	0.48 U	0.47 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 U	-	-	0.50 U	0.50 U	0.5 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	1 U	1.0 U	1 U	1.0 U	1 U	0.5 U	0.48 U	0.47 UJ	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	-	-	-	*16*	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	10 U	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	*17*	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	0.51 J	0.56 J	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.4	5.0 U	5.0 U	-	-	2 U	-	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	-	-
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	-	*22*	*40*	*31 J*	*23 J*	*160*	*49*	*49*	*97.8*	*90.2*	*61*	*80*	*190*	*180*
1,1-Dichloroethene	ug/L	524	5.0 U	5.0 U	-	*5*	*11*	*7.5*	1.8 J	*7*	*6.3*	*5.3*	*8.9*	*9.5*	*5.5*	*5.2*	*5.9*	*6.2*
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	10 U	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	-	10 U	10 U	*7.5*	5 U	4.6 J	*3.8*	*2.8*	-	-	5.0 U	5.0 U	*16*	*16*
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	-	10 U	10 U	5.0 U	5 U	*9.4*	*6.5*	*6.9*	-	-	*9.2*	*8.7*	*18*	*19*
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	-	10 U	10 U	5.0 U	2.7 J	*12*	*9.4*	*8.6*	-	-	*13*	*13*	*27*	*27*
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	-	10 U	*39*	5.0 U	*10*	*51*	*41*	*36*	-	-	*50*	*50*	*120*	*120*
Acetone	ug/L	45600	50 U	50 U	-	0.1 U	100 U	20 U	20 U	20 U	10 U	12 U	25 U	25 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	0.5 U	0.5 U	-	-	-	-
Benzene	ug/L	8.72	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	0.5 J	2.5 U	0.79 J	0.78 J	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	5.0 U	5.0 U	-	-	10 U	-	10 U	5 U	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	-	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	-	10 U	*15*	5.0 U	5 U	5 U	2 U	2.5 U	2 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	5.0 U	5.0 U	-	10 U	10 U	5.0 U	2.3 J	*19*	*11*	*9.6*	*14.8*	*15.2*	*8.6*	*17*	*67*	*65*
Chloroethane	ug/L	29200	10 U	10 U	-	5.0 U	5 U	10 U	10 U	*17*	*11*	2.5 U	*5.3*	*5.6*	10 U	*13*	*36*	*37*
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	2 U	2.5 U	2 U	2 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	5.0 U	*6.2*	-	*14*	*17*	*24*	2.7 J	*45*	*34*	*57*	*92.6*	*96*	*120*	*53*	*37*	*37*
Cyclohexane	ug/L	17500	5.0 U	5.0 U	-	-	-	-	-	5 U	*3.4*	*2.5*	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	-	10 U	10 U	*100*	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	-	2.0 U	*6*	5.0 U	5 U	1.2 J	0.52 J	2.5 U	*1.4*	*1.3*	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	-	10 U	10 U	-	-	3.4 J	*2.2*	1.6 J	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	5.0 U	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	2 U	2.5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	*30*	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	-	5 U	-	-	5 U	-	-	-	-	5.0 U	-	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	5.0 U	*12*	-	*69*	*23*	*110*	*17*	*19*	*27*	*15*	*14.2*	*14.1*	*17*	*50*	*72*	*71*
Toluene	ug/L	5240	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	-	2.0 U	2 U	5.0 U	5 U	5 U	2 U	2.5 U	0.69 J	0.68 J	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	5.0 U	*6.5*	-	*18*	*26*	*31*	*5.9*	*28*	*31*	*29*	*24.9*	*24.7*	*21*	*30*	*24*	*24*
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	-	-	-	-	-	10 U	2 U	2.5 U	-	-	10 U	10 U	-	-
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	-	10 U	10 U	10 U	10 U	2 U	2 U	2.5 U	0.66 J	0.65 J	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	5.0 U	5.0 U	-	5.0 U	5 U	5.0 U	5 U	5 U	6 U	7.5 U	3 U	3 U	15 U	5.0 U	-	-

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 4 RRS but above reporting limits are shown in blue

Detection above Type 4 RRS are shown in red and highlighted

August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample Name			MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	GW-081310-MLR-206	GW-081310-MLR-207	GW-022211-KDF-106	GW-082311-DJB-106	MW-3	GW-111300-MR-01	W-082603-SLW-02	W-082603-SLW-03	GW-121103-TL-004	WG-070804-SAG-006
Sample Date			9/9/2008	9/9/2008	2/19/2009	9/30/2009	9/30/2009	2/16/2010	8/13/2010	8/13/2010	2/22/2011	8/23/2011	3/15/1999	11/13/2000	8/26/2003	8/26/2003	12/11/2003	7/8/2004
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	***21***	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	***20***	0.5 U	0.5 U	***6.6***	0.48 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	-	0.5 U	1.2 U	-	***0.53***	0.50 U	1 U	1 U	***16***	***17***	0.48 U	***6.1***
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	0.5 U	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	-	-	1.2 U	-	0.50 U	0.50 U	1 U	1 U	0.5 U	0.5 U	0.48 U	0.48 UJ
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	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	2 U	5 U	5 U	-	2 U	2.5 U
1,1,2-Trichloroethane	ug/L	46.4	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U	5 U	5 U	-	2 U	2.5 U
1,1-Dichloroethane	ug/L	4000	***290***	***270***	***200***	***170***	***170***	***170***	***64***	***63***	***65***	***50***	***22***	***31 J***	***18***	-	***15***	***21***
1,1-Dichloroethene	ug/L	524	***9.5***	***11***	***6.6***	***7.9***	***7.5***	***7.5***	5.0 U	2.7 J	5.0 U	5.0 U	5	***7.5***	3.4 J	-	***3.6***	***5.4***
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***9.4***	***13***	***14***	***21***	***23***	***17***	***32***	***32***	***52***	***62***	10 U	***7.5***	5 U	-	0.7 J	2.5 U
1,2-Dichlorobenzene	ug/L	600	***21***	***24***	***30***	***30***	***32***	***28***	***34***	***33***	***32***	***32***	10 U	5 U	5 U	-	2 U	2.5 U
1,2-Dichloroethane	ug/L	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	2 U	5 U	5 U	-	2 U	2.5 U
1,3-Dichlorobenzene	ug/L	600	***31***	***38***	***46***	***58***	***61***	***59***	***72***	***72***	***76***	***73***	10 U	5 U	5 U	-	2 U	2.5 U
1,4-Dichlorobenzene	ug/L	75	***160***	***190***	***180***	***240***	***260***	***24***	***270***	***290***	***270***	***290***	10 U	5 U	5 U	-	2 U	2.5 U
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	20 U	20 U	-	10 U	12 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	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	2 U	5 U	2.3 J	-	0.8 J	0.85 J
Bromomethane (Methyl bromide)	ug/L	13	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	5 U	-	2 U	2.5 U
Carbon disulfide	ug/L	4000	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	10 U	5 U	5 U	-	2 U	2.5 U
Chlorobenzene	ug/L	136	***110***	***120***	***87***	***77***	***77***	***91***	***100***	***100***	***90***	***99***	10 U	5 U	5 U	-	2 U	2.5 U
Chloroethane	ug/L	29200	***60***	***62***	***33***	***19***	***21***	***24***	***9.3 J***	***8.5 J***	***12***	10 U	5 U	10 U	10 U	-	2 U	2.5 U
Chloroform (Trichloromethane)	ug/L	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	2 U	5 U	5 U	-	2 U	2.5 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	2 U	2.5 U
cis-1,2-Dichloroethene	ug/L	204	***24***	***24***	***25***	***24***	***26***	***31***	***20***	***19***	***19***	***13***	***14***	***24***	***28***	-	***22***	***30***
Cyclohexane	ug/L	17500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.7 J	2.5 J	5.0 U	5.0 U	-	-	5 U	-	2 U	2.5 U
Dibromochloromethane	ug/L	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	10 U	***100***	5 U	-	2 U	2.5 U
Ethylbenzene	ug/L	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	2 U	5 U	5 U	-	2 U	2.5 U
Isopropyl benzene	ug/L	1050	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	10 U	-	5 U	-	0.73 J	1.2 J
Methylene chloride	ug/L	119	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	5 U	5 U	5 U	-	2 U	2.5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	***13***	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	5 U	-	5 U	-	-	-
Tetrachloroethene	ug/L	5	***36***	***42***	***19***	***10***	***12***	***7.5***	***8.5***	***8.4***	***5.9***	***5.8***	***69***	***110***	***34***	-	***47***	***61***
Toluene	ug/L	5240	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	2 U	5 U	5 U	-	2 U	2.5 U
trans-1,2-Dichloroethene	ug/L	161	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	2 U	5 U	5 U	-	2 U	2.5 U
Trichloroethene	ug/L	28.6	***18***	***20***	***18***	***12***	***13***	***12***	***13***	***13***	***10***	***8.5***	***18***	***31***	***19***	-	***15***	***19***
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	-	-	10 U	10 U	10 U	10 U	-	-	10 U	-	2 U	2.5 U
Vinyl chloride	ug/L	3.27	***8.3***	***8.8***	***2.5***	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	10 U	2 U	-	2 U	2.5 U
Xylenes (total)	ug/L	10000	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	-	6 U	7.5 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 4 RRS but above reporting limits are shown in blue

Detection above Type 4 RRS are shown in red and highlighted

August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4
Sample Name			WG-070804-SAG-007	GW-060805-CM-101	GW-020707-SAG-302	GW-020707-SAG-303	GW-072607-CRM-207	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	GW-081310-DJB-106	GW-022111-KDF-102	GW-082311-DJB-107	MW-4
Sample Date			7/8/2004	6/8/2005	2/7/2007	2/7/2007	7/26/2007	3/5/2008	3/5/2008	9/9/2008	9/9/2008	2/19/2009	2/19/2009	9/29/2009	9/29/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	3/17/1999
	Units	Type 4 RRS																		
Polychlorinated Biphenyls																				
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	13.1	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	4.8 U	8.8	8.7	15	13	14	14	16	11	10	6.7	5.9	9.1	8.4	5.8	4.5	1 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	4.8 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 U	0.50 U	0.50 U	1 U
Polycyclic Aromatic Hydrocarbons (PAH)																				
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	13600	2 U	1 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	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U
1,1,2-Trichloroethane	ug/L	46.4	2 U	1 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U
1,1-Dichloroethane	ug/L	4000	17	30.5	19	19	25	12	-	14	13	19	24	8.4	-	18	10	13	5.0 U	2 U
1,1-Dichloroethene	ug/L	524	4.4	8.6	5.0 U	5.0 U	10	5.0 U	-	5.0 U	5.0 U	6.6	6.6	6.5	-	5.5	3.8 J	5.0 U	5.0 U	2 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
1,2,4-Trichlorobenzene	ug/L	70	2 U	-	5.0 U	5.0 U	5.0 U	12	-	8.1	6.6	5.0 U	5.0 U	5.0 U	-	7.1	7.7	5.0 U	5.0 U	10 U
1,2-Dichlorobenzene	ug/L	600	2 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	-	5.0 U	1.2 J	5.0 U	5.0 U	10 U
1,2-Dichloroethane	ug/L	5	2 U	1 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	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U
1,3-Dichlorobenzene	ug/L	600	2 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	-	5.0 U	2.0 J	5.0 U	5.0 U	10 U
1,4-Dichlorobenzene	ug/L	75	2 U	-	5.0 U	5.0 U	5.0 U	19	-	9.0	7.9	7.9	8.3	5.0 U	-	11	6.1	5.0 U	7.9	10 U
Acetone	ug/L	45600	10 U	25 U	50 U	50 U	50 U	50 U	-	50 U	50 U	50 U	50 U	50 U	-	50 U	50 U	50 U	50 U	100 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	4.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	1.5 J	0.8 J	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	5.0 U	5.0 U	5.0 U	2 U
Bromomethane (Methyl bromide)	ug/L	13	2 U	2 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U
Carbon disulfide	ug/L	4000	2 U	2 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	-	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Chlorobenzene	ug/L	136	2 U	1 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	-	5.0 U	1.1 J	5.0 U	5.0 U	10 U
Chloroethane	ug/L	29200	2 U	2 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	5 U
Chloroform (Trichloromethane)	ug/L	100	2 U	1 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	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U
Chloromethane (Methyl chloride)	ug/L	263	2 U	2 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	34	42.7	37	38	53	17	-	20	19	35	36	17	-	48	24	33	11	3
Cyclohexane	ug/L	17500	1.2 J	-	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	5.0 U	5.0 U	5.0 U	-
Dibromochloromethane	ug/L	100	2 U	1 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	-	5.0 U	5.0 U	5.0 U	5.0 U	10 U
Ethylbenzene	ug/L	700	2 U	1 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	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U
Isopropyl benzene	ug/L	1050	1.8 J	-	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	5.0 U	5.0 U	5.0 U	10 U
Methylene chloride	ug/L	119	2 U	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	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U
o-Xylene	ug/L	10000	-	-	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 U
Tetrachloroethene	ug/L	5	51	128	98	100	250	93	-	110	93	120	160	48	-	120	120	110	37	2 U
Toluene	ug/L	5240	2 U	1.3	8.6	8.5	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	5.0 U	2 U
trans-1,2-Dichloroethene	ug/L	161	2 U	1 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	-	5.0 U	5.0 U	5.0 U	5.0 U	2 U
Trichloroethene	ug/L	28.6	16	29.1	19	19	55	13	-	14	13	20	25	12	-	25	23	20	10	2 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	2 U	-	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	10 U	10 U	10 U	-
Vinyl chloride	ug/L	3.27	2 U	0.55 J	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	2.0 U	2.0 U	2.0 U	10 U
Xylenes (total)	ug/L	10000	6 U	3 U	15 U	15 U	5.0 U	-	-	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 4 RRS but above reporting limits are shown in blue

Detection above Type 4 RRS are shown in red and highlighted

August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-5*
Sample Name			*GW-111300-MR-04*	*W-082603-SLW-04*	*GW-121103-TL-007*	*WG-070804-SAG-012*	*GW-060805-SAG-02*	*GW-060805-SAG-03*	*MW-4*	*GW-020807-DJB-106*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*MW-4*	*GW-022211-CRM-007*	*GW-082311-EAH-106*	*GW-111400-MR-07*
Sample Date			*11/13/2000*	*8/26/2003*	*12/11/2003*	*7/8/2004*	*6/8/2005*	*6/8/2005*	*2/7/2007*	*2/8/2007*	*3/5/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*	*2/17/2010*	*2/22/2011*	*8/23/2011*	*11/14/2000*
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	1 U	0.5 U	-	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	1 U	0.5 U	-	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	1 U	0.5 U	-	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	1 U	0.5 U	-	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	1 U	0.5 U	-	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	1 U	0.5 U	-	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	1 U	0.5 U	-	-	-	-	0.5 U	0.50 U	-	-	-	-	0.5 U	0.50 U	0.50 U	1 U
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	5 U	5 U	1 U	1 U	1 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	5 U
1,1,2-Trichloroethane	ug/L	46.4	5 U	5 U	1 U	1 U	1 U	-	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5 U
1,1-Dichloroethane	ug/L	4000	***2.6 J***	5 U	0.89 J	***2.5***	***5.2***	-	5.0 U	5.0 U	***14***	***5.0***	***15***	5.0 U	***15***	***10***	5.0 U	***120 J***
1,1-Dichloroethene	ug/L	524	5 U	5 U	0.28 J	1 U	***1.6***	-	5.0 U	5.0 U	5.0 U	5.0 U	***5.4***	5.0 U	***5.9***	5.0 U	5.0 U	***22***
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5 U	5 U	1 U	***1.1***	-	-	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 U
1,2-Dichlorobenzene	ug/L	600	5 U	5 U	1 U	0.34 J	-	-	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 U
1,2-Dichloroethane	ug/L	5	5 U	5 U	1 U	1 U	1 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	5 U
1,3-Dichlorobenzene	ug/L	600	5 U	5 U	1 U	0.4 J	-	-	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 U
1,4-Dichlorobenzene	ug/L	75	***1.8 J***	5 U	1 U	0.38 J	-	-	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 U
Acetone	ug/L	45600	20 U	20 U	2.9 J	5 U	25 U	-	50 U	50 U	50 U	50 U	50 U	***82***	50 U	50 U	50 U	20 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	1.8 J	1.9 J	***1.3***	***1.8***	***1.4***	-	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 U
Bromomethane (Methyl bromide)	ug/L	13	10 U	5 U	1 U	1 U	2 U	-	-	5.0 U	-	-	-	-	-	5.0 U	5.0 U	10 U
Carbon disulfide	ug/L	4000	5 U	5 U	1 U	1 U	2 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	5 U
Chlorobenzene	ug/L	136	5 U	5 U	1 U	1 U	1 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	5 U
Chloroethane	ug/L	29200	10 U	10 U	1 U	1 U	1 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5 U	5 U	1 U	1 U	1 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	5 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	1 U	1 U	2 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	***4.3 J***	5 U	0.94 J	***3.5***	***7.5***	-	***5.9***	***5.9***	***14***	***5.2***	***18***	5.0 U	***20***	***15***	5.0 U	***63***
Cyclohexane	ug/L	17500	-	5 U	1 U	1 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	ug/L	100	***3.9 J***	5 U	1 U	1 U	1 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	5 U
Ethylbenzene	ug/L	700	5 U	5 U	1 U	1 U	1 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	5 U
Isopropyl benzene	ug/L	1050	-	5 U	1 U	1 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	-
Methylene chloride	ug/L	119	5 U	5 U	1 U	1 U	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	5.0 U	5 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	5 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Tetrachloroethene	ug/L	5	***4 J***	5 U	0.39 J	***2.3***	***3.6***	-	5.0 U	5.0 U	***14***	5.0 U	***7.3***	5.0 U	***5.2***	5.0 U	5.0 U	5 U
Toluene	ug/L	5240	5 U	5 U	1 U	0.22 J	0.63 J	-	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 U
trans-1,2-Dichloroethene	ug/L	161	5 U	5 U	1 U	1 U	1 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	5 U
Trichloroethene	ug/L	28.6	***3.2 J***	5 U	0.33 J	***1.3***	***3***	-	5.0 U	5.0 U	***5.1***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	1 U	1 U	-	-	-	10 U	-	-	-	-	-	10 U	10 U	-
Vinyl chloride	ug/L	3.27	10 U	2 U	1 U	1 U	1 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	10 U
Xylenes (total)	ug/L	10000	5 U	5 U	3 U	3 U	3 U	-	15 U	-	-	-	-	-	-	5.0 U	5.0 U	5 U

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-6*	*MW-6*
Sample Name			*W-082603-SLW-06*	*GW-121103-TL-001*	*WG-070704-SAG-001*	*GW-060805-SAG-01*	*GW-020707-DJB-102*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*GW-081210-DJB-103*	*GW-022111-KDF-101*	*GW-082311-DJB-104*	*GW-111400-MR-09*	*GW-091701-DJB-005*
Sample Date			*8/26/2003*	*12/11/2003*	*7/7/2004*	*6/8/2005*	*2/7/2007*	*2/7/2007*	*3/6/2008*	*9/3/2008*	*2/19/2009*	*9/29/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/23/2011*	*11/14/2000*	*9/17/2001*
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	-	0.48 UJ	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	-	0.48 U	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	-	0.48 U	-	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	-	0.48 UJ	0.5 U	0.50 U	-	-	-	-	-	-	-	-	-	1 U	0.5 U
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	5 U	1 U	1.7 U	1 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	5 U	1 U
1,1,2-Trichloroethane	ug/L	46.4	5 U	1 U	1.7 U	1 U	5.0 U	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	1 U
1,1-Dichloroethane	ug/L	4000	*63*	*1.7*	*46*	*98.6*	*89*	-	*96*	*46*	*29*	*18*	*10*	*5.0*	5.0 U	5.0 U	*16 J*	*27 J*
1,1-Dichloroethene	ug/L	524	*9.6*	0.93 J	*6.2*	*29.9*	*26*	-	*26*	*17*	*8.6*	*8.5*	5.0 U	2.8 J	5.0 U	5.0 U	3.8 J	*6.4*
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 U
1,2,4-Trichlorobenzene	ug/L	70	5 U	1 U	*2.6*	-	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 U	1 U
1,2-Dichlorobenzene	ug/L	600	5 U	1 U	1.7 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	5 U	0.45 J
1,2-Dichloroethane	ug/L	5	5 U	1 U	1.7 U	1 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	5 U	1 U
1,3-Dichlorobenzene	ug/L	600	5 U	1 U	1.7 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	5 U	1 U
1,4-Dichlorobenzene	ug/L	75	5 U	1 U	1.7 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	5 U	1 U
Acetone	ug/L	45600	20 U	5 U	8.4 U	25 U	50 U	-	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	20 U	10 UJ
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	0.5 U	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5 U	0.2 J	1.7 U	1 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	5 U	1 U
Bromomethane (Methyl bromide)	ug/L	13	5 U	1 U	1.7 U	2 U	5.0 U	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U	1 U
Carbon disulfide	ug/L	4000	5 U	1 U	1.7 U	2 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	5 U	1 U
Chlorobenzene	ug/L	136	5 U	1 U	1.7 U	1 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	5 U	1 U
Chloroethane	ug/L	29200	10 U	1 U	1.7 U	2 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.9 J
Chloroform (Trichloromethane)	ug/L	100	5 U	1 U	1.7 U	1 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	5 U	1 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	1 U	1.7 U	2 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.71 J
cis-1,2-Dichloroethene	ug/L	204	*43*	*3.3*	*34*	*61.9*	*62*	-	*58*	*26*	*20*	*12*	*9.8*	*5.2*	5.0 U	5.0 U	*9.5*	*16*
Cyclohexane	ug/L	17500	5 U	1 U	1.7 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	ug/L	100	5 U	1 U	1.7 U	1 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	5 U	1 U
Ethylbenzene	ug/L	700	5 U	1 U	1.7 U	1 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	5 U	1 U
Isopropyl benzene	ug/L	1050	5 U	1 U	1.7 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 U
Methylene chloride	ug/L	119	5 U	1 U	1.7 U	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	5.0 U	5 U	2 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 UJ
o-Xylene	ug/L	10000	5 U	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-
Tetrachloroethene	ug/L	5	5 U	*20*	1.7 U	1 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	5 U	1 U
Toluene	ug/L	5240	5 U	1 U	1.7 U	1 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	5 U	1 U
trans-1,2-Dichloroethene	ug/L	161	5 U	1 U	1.7 U	1 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	5 U	1 U
Trichloroethene	ug/L	28.6	1.4 J	*7.5*	1.1 J	*3.6*	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 U	*1.2*
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	1 U	1.7 U	-	10 U	-	-	-	-	-	-	10 U	10 U	10 U	-	-
Vinyl chloride	ug/L	3.27	2 U	1 U	1.7 U	0.62 J	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	10 U	2 U
Xylenes (total)	ug/L	10000	5 U	3 U	5 U	3 U	-	-	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5 U	3 U

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Sample Name			W-082703-SLW-07	GW-121103-TL-006	WG-070804-SAG-008	GW-060905-CM-105	GW-020807-SAG-304	GW-072607-SYJ-004	MW-6	MW-6	MW-6	MW-6	MW-6	GW-081210-MLR-205	GW-022211-CRM-009	GW-082211-DJB-102	GW-082211-DJB-103
Sample Date			8/27/2003	12/11/2003	7/8/2004	6/9/2005	2/8/2007	7/26/2007	3/6/2008	9/10/2008	2/20/2009	9/30/2009	2/17/2010	8/12/2010	2/22/2011	8/22/2011	8/22/2011
	Units	Type 4 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	-	-	-	0.50 U	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																	
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	13600	5 U	1 U	1 U	1 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	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.4	5 U	1 U	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	ug/L	4000	*36*	*31*	*26*	*59.4*	*48*	*29*	*53*	*26*	*29*	*18*	*17*	*16*	*9.3*	*8.3*	*8.7*
1,1-Dichloroethene	ug/L	524	*7.8*	*7.9*	*5.8*	*15.9*	*13*	*8.1*	*16*	*6.2*	*9.0*	*8.4*	*5.0*	*7.4*	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.5 J	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	5 U	0.2 J	1 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	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	5 U	0.11 J	1 U	1 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	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5 U	1 U	1 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	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U	5.0 U
Acetone	ug/L	45600	20 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	5 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	ug/L	4000	5 U	1 U	1 U	2 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	5.0 U	5.0 U
Chlorobenzene	ug/L	136	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Chloroethane	ug/L	29200	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	*5.7 J*	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	*25*	*25*	*19*	*39.6*	*37*	*19*	*55*	*17*	*55*	*47*	*40*	*45*	*33*	*28*	*29*
Cyclohexane	ug/L	17500	5 U	1 U	1 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	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	5 U	1 U	1 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	5.0 U	5.0 U
Methylene chloride	ug/L	119	5 U	1 U	1 U	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	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5 U	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-
Tetrachloroethene	ug/L	5	5 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*6.6*	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5240	5 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5 U	1 U	1 U	1 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	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	5 U	0.64 J	0.49 J	0.75 J	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	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	1 U	1 U	-	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U
Vinyl chloride	ug/L	3.27	2 U	0.22 J	1 U	1 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	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	5 U	3 U	3 U	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*	*MW-7*
Sample Name			*GW-111300-MR-02*	*GW-111300-MR-03*	*GW-091701-DJB-001*	*GW-091701-DJB-002*	*W-082703-SLW-08*	*GW-121203-TL-008*	*GW-121203-TL-010*	*WG-070704-SAG-003*	*GW-060905-DJB-004*	*GW-020807-SAG-308*	*GW-072507-SYJ-001*	*MW-7*	*MW-7*	*MW-7*	*MW-7*
Sample Date			*11/13/2000*	*11/13/2000*	*9/17/2001*	*9/17/2001*	*8/27/2003*	*12/12/2003*	*12/12/2003*	*7/7/2004*	*6/9/2005*	*2/8/2007*	*7/25/2007*	*3/6/2008*	*9/9/2008*	*2/19/2009*	*9/30/2009*
	Units	Type 4 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	3.72	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	1 U	1 U	0.5 U	0.5 U	0.5 U	-	-	-	-	0.50 U	-	-	0.5 U	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																	
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	13600	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.4	15 U	5 U	1 U	-	5 U	1 U	1 U	***1.3***	1 U	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethane	ug/L	4000	***20 J***	***21 J***	***35 J***	-	***9.4***	***1.6***	***2***	***3.2***	***1.9***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	524	15 U	3.2 J	***4.9***	-	1.1 J	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	1 U	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***520***	***480***	***330***	-	***110***	***4***	***4.7***	***15***	-	5.0 U	5.0 U	***33***	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	***19***	***20***	***15***	-	***6.5***	***1.2***	***1.3***	***2.1***	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	15 U	5 U	0.53 J	-	5 U	1 U	1 U	0.32 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	8.8 J	***9.9***	***8.3***	-	3 J	0.92 J	***1***	***1***	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	***52***	***53***	***48***	-	***27***	***6.6***	***7.4***	***7.3***	-	5.0 U	5.0 U	***7.0***	5.0 U	5.0 U	5.0 U
Acetone	ug/L	45600	60 U	20 U	10 UJ	-	20 U	5 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	15 U	4.3 J	***4.5***	-	1.1 J	1 U	1 U	0.36 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	30 U	10 U	1 U	-	5 U	1 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-
Carbon disulfide	ug/L	4000	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	***40***	***41***	***50***	-	***20***	***3.5***	***3.9***	***6***	0.58 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	29200	30 U	10 U	2 UJ	-	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	15 U	5 U	0.27 J	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	30 U	10 U	0.82 J	-	10 U	1 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	9.1 J	***9.4***	***12***	-	2.9 J	0.65 J	0.47 J	0.92 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	17500	-	-	-	-	5 U	1 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	***12 J***	***14***	1 U	-	5 U	1 U	1 U	***1.5***	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	-	-	***2.3***	-	5 U	1 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	15 U	5 U	2 U	-	5 U	1 U	1 U	1 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	***16 J***	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	-	5 U	-	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	14 J	***14***	***23***	-	***6.1***	***0.25 J***	***0.3 J***	***1.8***	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5240	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	15 U	5 U	1 U	-	5 U	1 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	***15***	***16***	***22***	-	***4.8 J***	***0.31 J***	***0.22 J***	***1.4***	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	1 U	1 U	1 U	-	10 U	10 U	-	-	-	-
Vinyl chloride	ug/L	3.27	30 U	10 U	2 U	-	2 U	1 U	1 U	1 U	1 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	15 U	2.1 J	1.6 J	-	5 U	3 U	3 U	3 U	3 U	15 U	5.0 U	-	-	-	-

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

UJ - Non-detect at estimated associated value

ug/L - microgram per liter

Detection below Type 4 RRS but above reporting limits are shown in blue

Detection above Type 4 RRS are shown in red and highlighted

August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-7	MW-7	MW-7	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Sample Name			MW-7	GW-081210-DJB-101	GW-022111-CRM-003	GW-022111-CRM-004	GW-082311-EAH-104	GW-091701-DJB-003	GW-091701-DJB-004	W-082703-SLW-09	GW-121203-TL-011	WG-070704-SAG-004	GW-060905-DJB-005	GW-020807-SAG-307	GW-072507-SYJ-002	MW-8
Sample Date			2/17/2010	8/12/2010	2/21/2011	2/21/2011	8/23/2011	9/17/2001	9/17/2001	8/27/2003	12/12/2003	7/7/2004	6/9/2005	2/8/2007	7/25/2007	3/6/2008
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U	0.50 U	0.50 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.5 U	-	*1.4*	0.5 U	0.50 U	0.50 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 U	0.5 U	0.50 U	0.50 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.5 U	-	0.48 UJ	0.5 U	0.50 U	0.50 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.4	-	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	-
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*11*	*14*	4.8 J	*23*	*25*	*3.9*	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	524	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	*2*	1.6 J	1 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	7.1 U	10 U	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*160*	*170*	*48*	*250*	*63*	-	*130*	*63*	*190*
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	13	*13*	3.1 J	*7.4*	*8.4*	-	*11*	*8.8*	*14*
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*11*	*11*	3.5 J	*8.7*	*11*	-	*26*	*21*	*43*
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*57*	*57*	*13*	*35*	*41*	-	*95*	*83*	*170*
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	71 UJ	*29 J*	20 U	10 U	15 U	25 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*11*	*13*	*20*	*11*	*9.1*	*3.1*	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	-	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 U	5.0 U	5.0 U	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	2 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	5.0 U	0.29 J	5.0 U	5.0 U	5.0 U	*45*	*50*	*15*	*37*	*39*	*15.9*	*39*	*39*	*38*
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	14 U	20 U	10 U	2 U	3 U	2 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	14 U	20 U	10 U	2 U	3 U	2 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*10*	*13*	1.9 J	*7.4*	*7*	*1.4*	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	17500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	5 U	2 U	3 U	-	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	2.5 J	5 U	*2.6*	*3.2*	1 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	2.2 J	*6.7*	1.9 J	1.4 J	-	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	14 U	20 U	5 U	2 U	3 U	5 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	*48*	*35*	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	-	-	-	-	-	-	5 U	-	-	-	5.0 U	-	5.0 U
Tetrachloroethene	ug/L	5	5.0 U	*5.4*	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	*3.5*	*3.5*	*1.2*	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5240	5.0 U	4.5 J	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	0.42 J	3 U	1 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	10 U	5 U	2 U	3 U	1 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.1 U	2.9 J	1.2 J	*6.4*	*6*	*1.3*	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	10 U	10 U	10 U	-	-	10 U	2 U	3 U	-	10 U	10 U	-
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	14 U	20 U	2 U	2 U	3 U	1 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	-	5.0 U	5.0 U	5.0 U	5.0 U	21 U	30 U	5 U	2.2 J	1.7 J	3 U	15 U	5.0 U	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
Sample Name			MW-8	MW-8	MW-8	MW-8	GW-081210-MLR-202	GW-022111-CRM-002	GW-082211-EAH-102	GW-091701-DJB-006	GW-121203-TL-012	WG-070804-SAG-009	GW-060905-CM-107	GW-020807-DJB-104	GW-072507-CRM-201	MW-9	MW-9	MW-9
Sample Date			9/10/2008	2/20/2009	9/29/2009	2/17/2010	8/12/2010	2/21/2011	8/22/2011	9/17/2001	12/12/2003	7/8/2004	6/9/2005	2/8/2007	7/25/2007	3/6/2008	9/10/2008	2/20/2009
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	*1.8*	0.50 U	0.50 U	0.5 U	0.5 U	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.5 U	-	-	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 UJ	-	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	-
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.4	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	-	-	-
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	0.48 J	5.0 U	5.0 U	*6.3*	*4.6*	*3.4*	*1.1*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	524	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	0.23 J	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	*140*	*130*	*120*	*17*	*63*	*97*	*30*	*49*	*37*	*14*	-	*8.0*	5.0 U	*7.3*	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	*12*	*14*	*11*	*11*	*12*	*13*	*5.9*	*6.4*	*4*	*3.2*	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	*39*	*44*	*50*	*7.8*	*54*	*62*	*28*	*4.1*	*4*	*2.5*	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	*180*	*170*	*220*	*35*	*240*	*250*	*140*	*25*	*18*	*11*	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	*13 J*	5 U	5 U	*5.3 J*	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	*5.7*	*6.5*	*5.3*	5.0 U	*8.6*	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	-	-	-	-	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	*39*	*40*	*31*	5.0 U	*38*	*33*	*23*	*10*	*4.6*	*3.7*	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	*2 J*	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	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*	0.8 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	17500	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	-	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	0.65 J	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	*5.9*	5.0 U	*5.6*	5.0 U	5.0 U	2 U	1 U	1 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4 U	1 U	1 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	2 U	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	0.9 J	0.38 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5240	5.0 U	5.0 U	5.0 U	5.0 U	1.7 J	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	1 U	1 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2 U	0.88 J	0.56 J	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	-	-	10 U	10 U	10 U	-	1 U	1 U	-	10 U	10 U	-	-	-
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4 U	1 U	1 U	1 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	-	-	-	-	5.0 U	5.0 U	5.0 U	6 U	3 U	3 U	3 U	-	5.0 U	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-9*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*	*MW-10*
Sample Name			*MW-9*	*MW-9*	*GW-081210-MLR-201*	*GW-022111-CRM-001*	*GW-082211-DJB-101*	*W-082703-SLW-10*	*W-082703-SLW-20*	*GW-121103-TL-005*	*WG-070804-SAG-011*	*GW-060805-CM-102*	*GW-020807-DJB-105*	*GW-072607-CRM-208*	*MW-10*	*MW-10*	*MW-10*	*MW-10*
Sample Date			*9/30/2009*	*2/17/2010*	*8/12/2010*	*2/21/2011*	*8/22/2011*	*8/27/2003*	*8/27/2003*	*12/11/2003*	*7/8/2004*	*6/8/2005*	*2/8/2007*	*7/26/2007*	*3/5/2008*	*9/10/2008*	*2/20/2009*	*9/30/2009*
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	0.5 U	-	-	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.48 U	-	-	0.50 U	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	-	0.5 U	-	0.48 U	-	0.48 U	0.50 U	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.4	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	-	-	-	-
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	1.6 J	5.0 U	5.0 U	5 U	5 U	***30***	1.9 J	***2.2***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	ug/L	524	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	***7.5***	5.0 U	1.8 J	5.0 U	5.0 U	5 U	5 U	***170***	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	9.1 J	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	9.9 J	3 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.3 J	4.3 J	***42***	2.9 J	-	***7.4***	***8.2***	***11***	***17***	***15***	***14***
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	20 U	20 U	50 U	15 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	0.48 U	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***17***	***17***	***15***	***9.2***	***9.4***	***5.6***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	2 U	5.0 U	5.0 U	-	-	-	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	2 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***38***	***38***	***45***	***31***	***31.9***	***19***	***13***	***7.6***	5.0 U	***6.6***	***8.5***
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.5 J	1.4 J	***10***	1.8 J	***1.9***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	ug/L	17500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***13***	***13***	10 U	***3.6***	-	***15***	***13***	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***140***	***130***	2.9 J	***85***	***108***	***110***	***130***	***76***	***68***	***54***	***49***
Isopropyl benzene	ug/L	1050	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	***30***	***31***	10 U	***14***	-	***31***	***32***	***22***	***29***	***28***	***24***
Methylene chloride	ug/L	119	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	5.0 U	-	-	-	5 U	5 U	-	-	-	5.0 U	-	***5.9***	***5.5***	***6.1***	***7.0***
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	***5.5***	5.0 U	5.0 U	5 U	5 U	6 J	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	ug/L	5240	5.0 U	5.0 U	2.1 J	5.0 U	5.0 U	5 U	5 U	10 U	3 U	0.97 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	1.1 J	5.0 U	5.0 U	5 U	5 U	7.1 J	3 U	1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	-	10 U	10 U	10 U	10 U	10 U	10 U	3 U	-	10 U	10 U	-	-	-	-
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	10 U	3 U	1 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	-	-	5.0 U	5.0 U	5.0 U	5 U	5 U	30 U	***15***	***17.1***	15 U	***28***	-	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
Sample Name			MW-10	GW-081210-DJB-102	GW-022211-KDF-105	GW-082311-EAH-105	W-102703-SLW-01	GW-121203-TL-009	WG-070804-SAG-010	GW-060905-CM-106	GW-020807-DJB-103	GW-072507-CRM-202	MW-11	MW-11	MW-11	MW-11	MW-11	GW-081210-MLR-203
Sample Date			2/16/2010	8/12/2010	2/22/2011	8/23/2011	10/27/2003	12/12/2003	7/8/2004	6/9/2005	2/8/2007	7/25/2007	3/6/2008	9/10/2008	2/20/2009	9/30/2009	2/17/2010	8/12/2010
	Units	Type 4 RRS																
Polychlorinated Biphenyls																		
Aroclor-1016 (PCB-1016)	ug/L	3.72	-	-	-	-	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	-	-	-	-	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	-	-	-	-	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	-	-	-	-	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	-	-	-	-	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	-	-	-	-	0.5 U	0.48 U	-	0.5 U	0.50 U	-	-	-	-	-	-	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																		
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ug/L	13600	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 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
1,1,2-Trichloroethane	ug/L	46.4	-	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
1,1-Dichloroethane	ug/L	4000	5.0 U	0.83 J	5.0 U	5.0 U	5 U	1 U	1 U	1 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-Dichloroethene	ug/L	524	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 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	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	***26***	5.0 U	5 U	1 U	***3.8***	-	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-Dichlorobenzene	ug/L	600	5.0 U	3.1 J	5.0 U	5.0 U	5 U	***3.3***	***7***	-	5.0 U	***5.3***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.9 J
1,2-Dichloroethane	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 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	ug/L	600	5.0 U	3.3 J	5.0 U	5.0 U	5 U	1 U	1 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	ug/L	75	***14***	***16***	***12***	***20***	5 U	1 U	0.36 J	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.3 J
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	20 U	5 U	5 U	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	5.0 U	0.77 J	5.0 U	5.0 U	5 U	0.56 J	0.82 J	1 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
Bromomethane (Methyl bromide)	ug/L	13	-	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	2 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	2 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	ug/L	136	***8.8***	3.1 J	5.0 U	5.0 U	5 U	***2.4***	***3.5***	***3.2***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.6 J
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	0.27 J	***1.3***	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	1 U	1 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/L	204	5.0 U	2.2 J	5.0 U	5.0 U	5 U	0.47 J	1 U	1 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
Cyclohexane	ug/L	17500	5.0 U	***10.0***	5.0 U	***9.6***	5 U	1 U	1 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	ug/L	100	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 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	ug/L	700	***49***	***38***	***24***	***12***	5 U	1 U	1 U	1 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	ug/L	1050	***27***	***28***	***18***	***20***	5 U	1 U	1 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
Methylene chloride	ug/L	119	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	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
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	5.0 U	-	-	-	5 U	-	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 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
Toluene	ug/L	5240	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 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-Dichloroethene	ug/L	161	5.0 U	1.7 J	5.0 U	5.0 U	5 U	1 U	1 U	1 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
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	5.0 U	5.0 U	5 U	1 U	1 U	1 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
Trifluorotrichloroethane (Freon 113)	ug/L	2000	-	10 U	10 U	10 U	10 U	1 U	1 U	-	10 U	10 U	-	-	-	-	-	10 U
Vinyl chloride	ug/L	3.27	2.0 U	2.0 U	2.0 U	2.0 U	2 U	1 U	1 U	1 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
Xylenes (total)	ug/L	10000	-	***11***	5.0 U	5.0 U	5 U	3 U	3 U	3 U	15 U	5.0 U	-	-	-	-	-	5.0 U

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-11	MW-11	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12D	MW-12D	MW-12D
Sample Name			GW-022111-CRM-005	GW-082211-EAH-101	GW-020707-DJB-101	GW-072507-CRM-206	MW-12	MW-12	MW-12	MW-12	MW-12	GW-081310-MLR-208	GW-022111-KDF-104	GW-082311-EAH-107	GW-081310-MLR-209	GW-022211-KDF-107	GW-082311-EAH-108
Sample Date			2/21/2011	8/22/2011	2/7/2007	7/25/2007	3/6/2008	9/9/2008	2/19/2009	9/30/2009	2/17/2010	8/13/2010	2/21/2011	8/23/2011	8/13/2010	2/22/2011	8/23/2011
	Units	Type 4 RRS															
Polychlorinated Biphenyls																	
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	*12*	*19*	0.50 U	*3.5*	*6.5*	0.50 U
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.50 U	*5.2*	0.5 U	*7.4*	*4.4*	*4.2*	1.2 U	0.50 U	*8.1*	0.12 U	0.50 U	0.50 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.50 U	0.50 U	0.12 U	0.50 U	0.50 U
Polycyclic Aromatic Hydrocarbons (PAH)																	
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ug/L	13600	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	ug/L	46.4	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	ug/L	4000	5.0 U	5.0 U	*44*	*41*	*47*	*39*	*25*	*28*	*14*	*19*	*13*	5.0 U	*18*	*17*	*17*
1,1-Dichloroethene	ug/L	524	5.0 U	5.0 U	*16*	*19*	*14*	*15*	*7.2*	*11*	5.0 U	*9.2*	5.0 U	5.0 U	*9.6*	*6.0*	*6.4*
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	*6.1*	*57*	*480*	*5.5*	*26*	*480*	*38*	*730*	*710*	*710*	*260*	*370*	*210*
1,2-Dichlorobenzene	ug/L	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	1.8 J	5.0 U	5.0 U	1.8 J	5.0 U	5.0 U
1,2-Dichloroethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	ug/L	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	2.5 J	5.0 U	5.0 U	0.81 J	5.0 U	5.0 U
1,4-Dichlorobenzene	ug/L	75	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	*7.3*	*9.4*	*5.4*	*8.7*	*6.9*	*5.1*	2.6 J	*5.1*	5.0 U
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	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	0.53 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	ug/L	13	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
Carbon disulfide	ug/L	4000	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	ug/L	136	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (Trichloromethane)	ug/L	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	5.0 U	5.0 U	1.2 J	5.0 U	5.0 U
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	*10 U*	10 U
cis-1,2-Dichloroethene	ug/L	204	5.0 U	5.0 U	*65*	*56*	*51*	*48*	*38*	*48*	*32*	*41*	*33*	*8.9*	*38*	*44*	*33*
Cyclohexane	ug/L	17500	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	ug/L	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	ug/L	1050	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/L	119	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	*250*	*260*	*300*	*200*	*170*	*220*	*140*	*280*	*220*	*130*	*220*	*230*	*170*
Toluene	ug/L	5240	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	ug/L	161	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	*56*	*76*	*66*	*37*	*32*	*49*	*28*	*55*	*40*	*14*	*58*	*59*	*48*
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/L	3.27	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	ug/L	10000	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

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

TABLE 3.8 B

CURRENT REGULATED COCs IN GROUNDWATER -TYPE 4
SOUTHLAND CIRLCE
ATLANTA, GEORGIA

Location Name			MW-13	MW-13	MW-13	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	B-40	B-42	B-50
Sample Name			GW-081210-MLR-204	GW-022211-CRM-008	GW-082211-EAH-103	RW-1	RW-1	RW-1	RW-1	RW-1	GW-081210-DJB-104	GW-022111-KDF-103	GW-082311-DJB-108	GW-060603-DB-04	GW-060603-DB-01	GW-060603-DB-02
Sample Date			8/12/2010	2/22/2011	8/22/2011	3/5/2008	9/9/2008	2/19/2009	9/29/2009	2/17/2010	8/12/2010	2/21/2011	8/23/2011	6/6/2003	6/6/2003	6/6/2003
	Units	Type 4 RRS														
Polychlorinated Biphenyls																
Aroclor-1016 (PCB-1016)	ug/L	3.72	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U
Aroclor-1221 (PCB-1221)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U
Aroclor-1232 (PCB-1232)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	4.3 J	66 J	11 J
Aroclor-1242 (PCB-1242)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	11	7.0	8.3	6.0	14	3.8	5.7	1 U	1 U	1 U
Aroclor-1248 (PCB-1248)	ug/L	0.5	0.50 U	0.50 U	0.50 U	11	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	1 U	1 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.5	0.50 U	0.50 U	0.50 U	4.9	3.8	0.5 U	3.6	2.5	2.7	2.1	3.2	1 U	1 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.5	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	2.9	0.5 U	0.5 U	1.2	0.68	0.50 U	1 U	6.3 J	1 U
Polycyclic Aromatic Hydrocarbons (PAH)																
Fluorene	ug/L	4090	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
1,1,1-Trichloroethane	ug/L	13600	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	5.0 U	-	-	-
1,1,2-Trichloroethane	ug/L	46.4	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-
1,1-Dichloroethane	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	10	5.0 U	5.0 U	5.0 U	1.9 J	5.0 U	5.0 U	-	-	-
1,1-Dichloroethene	ug/L	524	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	5.0 U	-	-	-
1,2,3-Trichlorobenzene	ug/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/L	70	5.0 U	5.0 U	5.0 U	10	5.0	5.0 U	19	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
1,2-Dichlorobenzene	ug/L	600	1.5 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.3	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
1,2-Dichloroethane	ug/L	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	5.0 U	-	-	-
1,3-Dichlorobenzene	ug/L	600	3.9 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.9	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
1,4-Dichlorobenzene	ug/L	75	21	13	6.8	8.4	5.0 U	5.0 U	29	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Acetone	ug/L	45600	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/L	8.72	19	22	31	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Bromomethane (Methyl bromide)	ug/L	13	5.0 U	5.0 U	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-
Carbon disulfide	ug/L	4000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.9 J	5.0 U	5.0 U	-	-	-
Chlorobenzene	ug/L	136	38	28	25	5.0 U	5.0 U	5.0 U	6.2	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Chloroethane	ug/L	29200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-
Chloroform (Trichloromethane)	ug/L	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	5.0 U	-	-	-
Chloromethane (Methyl chloride)	ug/L	263	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-
cis-1,2-Dichloroethene	ug/L	204	5.0 U	5.0 U	5.0 U	5.0 U	12	5.0 U	5.0 U	5.0 U	2.4 J	5.0 U	5.0 U	-	-	-
Cyclohexane	ug/L	17500	8.6	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	ug/L	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	5.0 U	-	-	-
Ethylbenzene	ug/L	700	7.8	9.2	11	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	ug/L	1050	19	15	14	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Methylene chloride	ug/L	119	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	5.0 U	-	-	-
Naphthalene	ug/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/L	10000	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	5.0 U	5.0 U	5.0 U	16	55	5.0 U	9.8	9.3	10	5.0 U	9.4	-	-	-
Toluene	ug/L	5240	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	5.0 U	-	-	-
trans-1,2-Dichloroethene	ug/L	161	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	5.0 U	-	-	-
Trichloroethene	ug/L	28.6	5.0 U	5.0 U	5.0 U	5.0 U	8.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-	-	-
Trifluorotrichloroethane (Freon 113)	ug/L	2000	10 U	10 U	10 U	-	-	-	-	-	10 U	10 U	10 U	-	-	-
Vinyl chloride	ug/L	3.27	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	2.0 U	-	-	-
Xylenes (total)	ug/L	10000	6.6	5.2	5.0 U	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-

Notes:
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
UJ - Non-detect at estimated associated value
ug/L - microgram per liter
Detection below Type 4 RRS but above reporting limits are shown in blue
Detection above Type 4 RRS are shown in red and highlighted
August 2011 groundwater data are highlighted blue

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Upstream surface water sample locations												
Location Name			*EPA-03A*	*EPA-04A*	*WS-3*	*WS-2C*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*
Sample Name			*3A*	*4A*	*SW-111400-SLW-03*	*W-042903-SLW-01*	*W-012003-SLW-102*	*W-060603-SLW-011*	*W-081803-SLW-03*	*WS-121203-SLW-02*	*WS-3*	*WS-070704-SLW-02*	*GW-060905-DJB-007*	*SW-020707-DJB-001*	*SW-072507-CRM-205*
Sample Date			*7/8/1993*	*7/8/1993*	*11/14/2000*	*4/29/2003*	*1/20/2003*	*6/6/2003*	*8/18/2003*	*12/12/2003*	*4/1/2004*	*7/7/2004*	*6/9/2005*	*2/7/2007*	*7/25/2007*
Sample Type															
	Units	ISWQS[1]													
Polychlorinated Biphenyls															
Aroclor-1242 (PCB-1242)	ug/L	0.000064	6.4 U	2.5 U	1 U	***90***	-	1 U	-	-	5.0 U	-	-	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.000064	11 U	11 U	1 U	***110***	-	1 U	-	-	5.0 U	-	-	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.000064	11 U	11 U	1 U	***72***	-	1 U	-	-	5.0 U	-	-	-	-
Volitile Organic Compounds															
Tetrachloroethene	ug/L	3.3	-	-	***8.1***	-	***30***	-	***20***	***5.9***	***10***	***15***	***11.2***	***8.0***	***82***

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling event
Most Recent - August 2011 surface water analytical data are highlight

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Upstream surface water sample locations								Midstream surface water sample locations				
Location Name			*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3/SW-1*	*SW-1*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*WS-3*	*WS-3*	*WS-3*	*WS-3*	*WS-3*	*SW-081210-DJB-004*	*SW-021811-DJB-003*	*SW-021811-DJB-004*	*SW-082211-DJB-204*	*W-062003-BK-001*	*W-062403-SLW-01*	*W-062703-BLL-001*	*W-063003-SLW-01*	*W-070303-BLL-001*
Sample Date			*3/5/2008*	*9/9/2008*	*2/19/2009*	*9/29/2009*	*2/16/2010*	*8/12/2010*	*2/18/2011*	*2/18/2011*	*8/22/2011*	*6/20/2003*	*6/24/2003*	*6/27/2003*	*6/30/2003*	*7/3/2003*
Sample Type										*Duplicate*						
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1242 (PCB-1242)	ug/L	0.000064	-	-	0.5 U	-	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	-	-	0.5 U	-	-	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	-	-	0.5 U	-	0.5 U	0.50 U	0.50 U	-	0.50 U	1 U	1 U	1 U	1 U	1 U
Volitile Organic Compounds																
Tetrachloroethene	ug/L	3.3	5.0 U	***45***	***16***	***17***	***30***	***43***	***31***	***32***	***28***	-	-	-	-	-

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Most Recent - August 2011 surface water analytical data are highlight

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample locations											
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*W-070603-SLW-01*	*W-070903-DJB-001*	*W-071203-SLW-01*	*W-071503-SLW-01*	*W-071803-BLL-01*	*W-072103-SLW-01*	*W-072403-BLL-001*	*W-072703-SLW-01*	*W-073003-SLW-01*	*W-080203-SLW-01*	*GW-080503DJB-001*	*W-080803-BLL-001*
Sample Date			*7/6/2003*	*7/9/2003*	*7/12/2003*	*7/15/2003*	*7/18/2003*	*7/21/2003*	*7/24/2003*	*7/27/2003*	*7/30/2003*	*8/2/2003*	*8/5/2003*	*8/8/2003*
Sample Type														
	Units	ISWQS[1]												
Polychlorinated Biphenyls														
Aroclor-1242 (PCB-1242)	ug/L	0.000064	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U
Volitile Organic Compounds														
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Most Recent - August 2011 surface water analytical data are highlight

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample locations											
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*W-081103-SLW-01*	*W-081403-SLW-01*	*W-081803-SLW-01*	*W-082103DJB-001*	*W-082503-SLW-01*	*W-082903-SLW-01*	*W-090203-SLW-01*	*W-090503-SLW-01*	*W-090803-BLL-001*	*W-091203-SLW-01*	*W-091503-SLW-01*	*W-091803-SLW-01*
Sample Date			*8/11/2003*	*8/14/2003*	*8/18/2003*	*8/21/2003*	*8/25/2003*	*8/29/2003*	*9/2/2003*	*9/5/2003*	*9/8/2003*	*9/12/2003*	*9/15/2003*	*9/18/2003*
Sample Type														
	Units	ISWQS[1]												
Polychlorinated Biphenyls														
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volitile Organic Compounds														
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Most Recent - August 2011 surface water analytical data are highlight

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample locations											
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*W-092203-SLW-01*	*W-092603-SLW-01*	*W-093003-MR-01*	*W-100303-SLW-01*	*W-100703-SLW-01*	*W-101003-SLW-01*	*W-101403-SLW-01*	*W-101703-SLW-01*	*W-102003-SLW-01*	*W-102303-SLW-01*	*W-102703-SLW-02*	*W-103103-SLW-01*
Sample Date			*9/22/2003*	*9/26/2003*	*9/30/2003*	*10/3/2003*	*10/7/2003*	*10/10/2003*	*10/14/2003*	*10/17/2003*	*10/20/2003*	*10/23/2003*	*10/27/2003*	*10/31/2003*
Sample Type														
	Units	ISWQS[1]												
Polychlorinated Biphenyls														
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volitile Organic Compounds														
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Most Recent - August 2011 surface water analytical data are highlight

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample locations											
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*	*WS-2B*
Sample Name			*W-110403-BLL-001*	*W-110803-SLW-01*	*W-111203-SLW-01*	*W-111603-SLW-01*	*W-112103-SLW-01*	*W-112503-SLW-01*	*W-113003-SLW-01*	*W-120503-SLW-01*	*W-120903-SLW-01*	*W-121303-SLW-01*	*W-121803-SLW-01*	*W-122203-BLL-001*
Sample Date			*11/4/2003*	*11/8/2003*	*11/12/2003*	*11/16/2003*	*11/21/2003*	*11/25/2003*	*11/30/2003*	*12/5/2003*	*12/9/2003*	*12/13/2003*	*12/18/2003*	*12/22/2003*
Sample Type														
	Units	ISWQS[1]												
Polychlorinated Biphenyls														
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Volitile Organic Compounds														
Tetrachloroethene	ug/L	3.3	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Most Recent - August 2011 surface water analytical data are highlight

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Midstream surface water sample locations						Downstream surface water sample locations					
Location Name			*WS-2B*	*WS-2B*	*WS-2B*	*SW-2*	*SW-2*	*SW-2*	*EPA-01*	*WS-1*	*WS-2*	*WS-2A*	*WS-2A*	*WS-2A*
Sample Name			*W-122703-SLW-01*	*W-123103-SLW-01*	*W-010304-SLW-01*	*SW-081210-DJB-003*	*SW-021811-DJB-002*	*SW-082211-DJB-203*	*1*	*SW-111400-SLW-01*	*SW-111400-SLW-02*	*W-060603-SLW-010*	*W-081803-SLW-02*	*WS-121203-SLW-01*
Sample Date			*12/27/2003*	*12/31/2003*	*1/3/2004*	*8/12/2010*	*2/18/2011*	*8/22/2011*	*7/8/1993*	*11/14/2000*	*11/14/2000*	*6/6/2003*	*8/18/2003*	*12/12/2003*
Sample Type														
	Units	ISWQS[1]												
Polychlorinated Biphenyls														
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	300 U	1 U	1 U	1 U	-	-
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	250 U	1 U	1 U	1 U	-	-
Aroclor-1260 (PCB-1260)	ug/L	0.000064	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	***270***	1 U	1 U	1 U	-	-
Volitile Organic Compounds														
Tetrachloroethene	ug/L	3.3	-	-	-	***12 J***	***13***	***7.4***	-	5 U	1.9 J	-	3.4 J	***2.6***

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Most Recent - August 2011 surface water analytical data are highlight

Table 3.9

HISTORICAL COCs IN SURFACE WATER
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location			Downstream surface water sample locations												
Location Name			*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*SW-3*	*SW-3*	*SW-3*	*SW-3*	*SW-3*
Sample Name			*WS-070704-SLW-01*	*GW-060905-DJB-006*	*SW-020707-DJB-002*	*SW-072507-CRM-203*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*WS-2A*	*SW-081210-DJB-001*	*SW-081210-DJB-002*	*SW-021811-DJB-001*	*SW-082211-DJB-201*	*SW-082211-DJB-202*
Sample Date			*7/7/2004*	*6/9/2005*	*2/7/2007*	*7/25/2007*	*3/5/2008*	*9/9/2008*	*2/19/2009*	*2/19/2009*	*2/16/2010*	*8/12/2010*	*8/12/2010*	*2/18/2011*	*8/22/2011*	*8/22/2011*
Sample Type										*Duplicate*			*Duplicate*			*Duplicate*
	Units	ISWQS[1]														
Polychlorinated Biphenyls																
Aroclor-1242 (PCB-1242)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1254 (PCB-1254)	ug/L	0.000064	0.19 U	-	-	-	-	-	0.5 U	-	-	0.50 U	-	0.50 U	0.50 U	-
Aroclor-1260 (PCB-1260)	ug/L	0.000064	***0.088 J***	-	-	-	-	-	0.5 U	-	0.5 U	0.50 U	-	0.50 U	0.50 U	-
Volitile Organic Compounds																
Tetrachloroethene	ug/L	3.3	0.29 J	***2.6***	***53***	***5.5***	5.0 U	5.0 U	5.0 U	***5.8***	***5.6***	5.0 U	2.9 J	***8.9***	5.0 U	5.0 U

Notes:
[1]ISWQS - In-stream water quality standard
J - Estimated, below Quantitation Limits.
U - Non-detect at associated value.
ug/L - microgram per liter
Detection below the ISWQS but above reporting limits are shown in blue
Detection above the ISWQS are shown in red and highlighted
Surface water sample location WS-3 was renamed SW-1 during the August 2011 saampling e
Most Recent - August 2011 surface water analytical data are highlight

TABLE 3.10

CURRENT REGULATED COCS IN SEDIMENT
SOUTHLAND CIRCLE
ATLANTA, GEORGIA

Location Name			*TRAP-1*	*TRAP-1*
Sample Name			*S-021811-DJB-101*	*SED-082211-DJB-301*
Sample Date			*2/18/2011*	*8/22/2011*
	Units	Type 1/4 RRS		
Polychlorinated Biphenyl				
Aroclor-1248 (PCB-1248)	ug/kg	1550	40 U	***330***
Aroclor-1254 (PCB-1254)	ug/kg	1550	***480***	***580***
Aroclor-1260 (PCB-1260)	ug/kg	1550	***360***	***380***

Notes:

J - Estimated, below Quantitation Limits.

U - Non-detect at associated value.

ug/kg - microgram per kilogram

Detection below Type 1 /4 RRS but above reporting limits are shown in blue

TABLE 3.11

SUMMARY OF SOIL GAS ANALYTICAL RESULTS
SOUTHLANDCIRCLE
ATLANTA, GEORGIA

Location Name		*B-20*	*B-21*	*B-24*	*B-30*	*B-31*	*B-32*
Sample Name		*B-20*	*B-21*	*B-24*	*B-30*	*B-31*	*B-32*
Sample Date		*11/30/2000*	*11/30/2000*	*11/30/2000*	*11/30/2000*	*11/30/2000*	*11/30/2000*
Sample Depth		*1.25-1.25 ft bgs*	*3-3 ft bgs*	*3.6-3.6 ft bgs*	*3-3.5 ft bgs*	*3-3.5 ft bgs*	*2-2 ft bgs*
	Units						
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1,1-Trichloroethane	ng	25.0 U	25.0 U	*10430* ***	25.0 U	25.0 U	25.0 U
1,1,2,2-Tetrachloroethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1,2-Trichloroethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1-Dichloroethane	ng	25.0 U	25.0 U	*9882* ***	25.0 U	*122* **	25.0 U
1,1-Dichloroethene	ng	25.0 U	25.0 U	*1191* ***	25.0 U	25.0 U	25.0 U
1,1-Dichloropropene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2,3-Trichlorobenzene	ng	25.0 U	25.0 U	*42* *	25.0 U	25.0 U	25.0 U
1,2,3-Trichloropropane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2,4-Trichlorobenzene	ng	25.0 U	25.0 U	*147* **	25.0 U	25.0 U	25.0 U
1,2,4-Trimethylbenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dibromoethane (Ethylene dibromide)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dichlorobenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dichloroethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2-Dichloropropane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,3,5-Trimethylbenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,3-Dichlorobenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,3-Dichloropropane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,4-Dichlorobenzene	ng	25.0 U	25.0 U	*25* *	25.0 U	25.0 U	25.0 U
2,2-Dichloropropane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	ng	250.0 U	250.0 U	250.0 U	250.0 U	250.0 U	250.0 U
2-Chloroethyl vinyl ether	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Chlorotoluene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone	ng	250.0 U	250.0 U	250.0 U	250.0 U	250.0 U	250.0 U
2-Phenylbutane (sec-Butylbenzene)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
4-Chlorotoluene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Methyl isobutyl ketone (MIBK)	ng	250.0 U	250.0 U	250.0 U	250.0 U	250.0 U	250.0 U
Acetone	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Acrolein	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Acrylonitrile	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Benzene	ng	25.0 U	25.0 U	*43* *	25.0 U	25.0 U	25.0 U
Bromobenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Bromodichloromethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Bromoform	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Bromomethane (Methyl bromide)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Carbon disulfide	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Carbon tetrachloride	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Chlorobenzene	ng	25.0 U	25.0 U	*193* **	25.0 U	25.0 U	25.0 U
Chlorobromomethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U

TABLE 3.11

SUMMARY OF SOIL GAS ANALYTICAL RESULTS
SOUTHLANDCIRCLE
ATLANTA, GEORGIA

Location Name		*B-20*	*B-21*	*B-24*	*B-30*	*B-31*	*B-32*
Sample Name		*B-20*	*B-21*	*B-24*	*B-30*	*B-31*	*B-32*
Sample Date		*11/30/2000*	*11/30/2000*	*11/30/2000*	*11/30/2000*	*11/30/2000*	*11/30/2000*
Sample Depth		*1.25-1.25 ft bgs*	*3-3 ft bgs*	*3.6-3.6 ft bgs*	*3-3.5 ft bgs*	*3-3.5 ft bgs*	*2-2 ft bgs*
	Units						
Volatile Organic Compounds							
Chloroethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Chloroform (Trichloromethane)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Chloromethane (Methyl chloride)	ng	25.0 U	25.0 U	*46 **	*54.4 **	*36 **	25.0 U
cis-1,2-Dichloroethene	ng	25.0 U	25.0 U	25.0 U	25.0 U	*115 ***	25.0 U
cis-1,3-Dichloropropene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Cymene (p-Isopropyltoluene)	ng	25.0 U	25.0 U	*111 ***	25.0 U	25.0 U	25.0 U
Dibromochloromethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Dibromomethane	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Dichlorodifluoromethane (CFC-12)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Ethylbenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Hexachlorobutadiene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Isopropyl benzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
m&p-Xylenes	ng	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Methylene chloride	ng	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Naphthalene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
N-Butylbenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
N-Propylbenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
o-Xylene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Phenanthrene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Styrene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
tert-Butylbenzene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Tetrachloroethene	ng	25.0 U	25.0 U	*335 ***	*166 ***	25.0 U	25.0 U
Toluene	ng	25.0 U	25.0 U	25.0 U	*34.9*	25.0 U	25.0 U
trans-1,2-Dichloroethene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
trans-1,3-Dichloropropene	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Trichloroethene	ng	25.0 U	25.0 U	*69 **	25.0 U	*77 **	25.0 U
Trichlorofluoromethane (CFC-11)	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Vinyl acetate	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Vinyl chloride	ng	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U

Notes:

ng - nanograms

U - Non-detect at associated value.

* - Detection limits to 100 ng

** - Detection limits 101 to 1000 ng

*** - Detection limits greater than 1000 ng

Detections above the reporting limits are shown in blue

ft bgs - feet below ground surface

APPENDICES

APPENDIX A

WARRANTY DEED

COPY

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

STATE OF GEORGIA

COUNTY OF FULTON

Limited Warranty Deed

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]

CORRINE CLOUD
NOTARY PUBLIC
Exp. Apr. 19, 2011
HENRY COUNTY, GA

GRANTOR:

(SEAL)
Guy T. Gunter, Jr.

Exhibit "A"

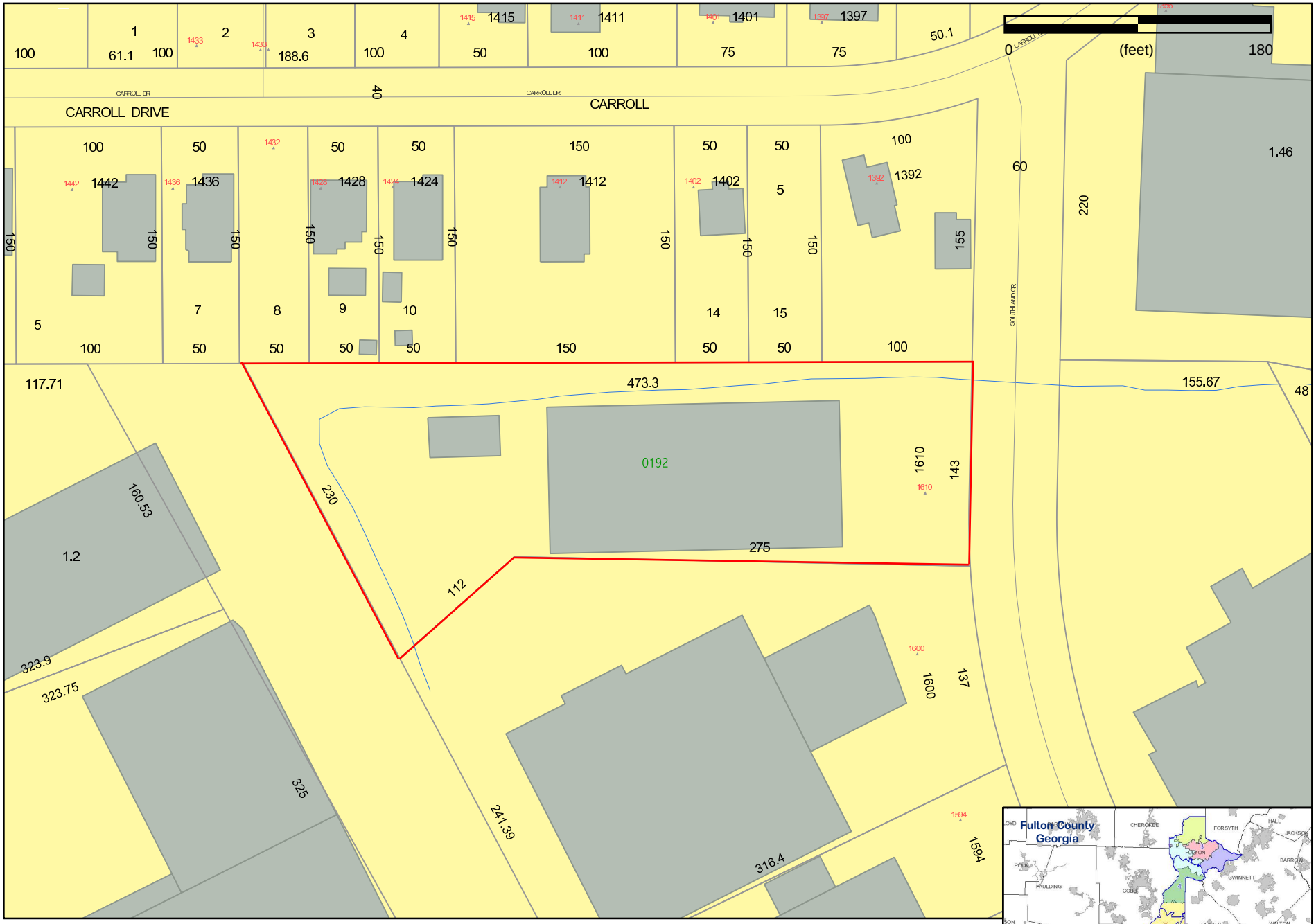
ALL THAT TRACT OF LAND in Land Lot 192 of the 17th District, Fulton County, Georgia, described as follows:

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 approximately1.52 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

APPENDIX B

TAX PLAT



Prepared by Fulton County Department of
Environment and Community Development
Support Services Division
Geographic Information System
Date: 01.23.45

Fulton County provides the data within this page for your personal use "as is".
The data is not guaranteed to be accurate, correct, or complete.

N

PARID: 17 0192 LL0516

GTG PROPERTIES LLC **1610 SOUTHLAND CIR NW**

Parcel

Parcel ID	17 -0192- LL-051-6
Address	1610 SOUTHLAND CIR
City	ATL
Neighborhood	C404
Class	I3
Land Use Code	398-Warehouse (bulk)
Acres	1.4141
Utilities	1-ALL PUBLIC/-/-
Tax District	05
Tax Year	2011

Owner(s)

Owner Name	GTG PROPERTIES LLC
Owner Name 2	

Building

Card	1
Description	398
Year Built	1965
Total Under Roof	21660
Number Identical Bldgs	1

Current Values - 2011

Year	2011
Appraised Land	$572,700
Appraised Building	$407,000
Total Appraised Value	$979,700
Assessed Land	$229,080
Assessed Building	$162,800
Assessed Total	$391,880

Values History

Tax Year	Total Appraised Value	Total Assessed Value
2011	979700	391880
2010	979700	391880
2009	979700	391880

Sales

Sale Date	Sale Price	Grantee	Grantor

17-NOV-08	$0	GTG PROPERTIES LLC	GUNTER, JR. GUY T.
17-NOV-08	$930,000	GUNTER GUY T JR	1610 SOUTHLAND CIRCLE, LLC
02-JUN-06	$930,000	SIXTEEN TEN SOUTHLAND CIRCLE	SOUTHLAND CIRCLE L L C
01-AUG-97	$60,000	SOUTHLAND CIRCLE L L C	SEALY SOUTHEASTERN L P

Sale Details

1 of 4

Sale Date	17-NOV-08
Sale Price	$0
Grantee	GTG PROPERTIES LLC
Grantor	GUNTER, JR. GUY T.
Book	47366
Page	0603

OBY

Card	Desc	Year Built	Grade	Width	Length	Area
1	SH1	1998				800
1	PA1	1965				15,000
1	FP1	1965		3	100	300

APPENDIX C

DERIVATION OF RISK REDUCTION STANDARDS

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

Regulated Substances	*Type 1/3 RRS for Groundwater*	*Type 4 RRS for Groundwater*	*Type 1 RRS for Soil*	*Type 3 RRS for Soil*	*Type 4 RRS for Soil*	*RRS for Surface Water (1)*
	(mg/L)	*(mg/L)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/L)*
VOCS						
1,1,1-Trichloroethane	2.00E-01	1.36E+01	2.00E+01	2.00E+01	2.00E+01	NV
1,1,2-Trichloroethane	5.00E-03	4.64E-02	5.00E-01	5.00E-01	5.00E-01	1.60E-02
1,1-Dichloroethane	4.00E+00	4.00E+00	4.00E+02	4.00E+02	4.00E+02	NV
1,1-Dichloroethene	7.00E-03	5.24E-01	7.00E-01	7.00E-01	7.00E-01	7.10E+00
1,2-Dichloroethane	5.00E-03	5.00E-03	5.00E-01	5.00E-01	5.00E-01	3.70E-02
Acetone	4.00E+00	4.56E+01	4.00E+02	4.00E+02	4.00E+02	NV
Benzene	5.00E-03	8.72E-03	5.00E-01	5.00E-01	5.00E-01	5.10E-02
Bromomethane	1.00E-02	1.30E-02	1.00E+00	1.00E+00	1.00E+00	1.50E+00
Carbon disulfide	4.00E+00	4.00E+00	4.00E+02	4.00E+02	4.00E+02	NV
Chlorobenzene	1.00E-01	1.36E-01	1.00E+01	1.00E+01	1.00E+01	1.60E+00
Chloroethane	1.00E-02	2.92E+01	1.00E+00	1.00E+00	1.00E+00	NV
Chloroform	1.00E-01	1.00E-01	3.85E+00	4.88E+00	4.88E+00	0.47
Chloromethane (methyl chloride)	3.00E-03	2.63E-01	3.00E-01	3.00E-01	3.00E-01	NV
cis-1,2-Dichloroethene	7.00E-02	2.04E-01	7.00E+00	7.00E+00	7.00E+00	NV
Cyclohexane	5.00E-03	1.75E+01	2.00E+01	2.00E+01	2.00E+01	NV
Dibromochloromethane	1.00E-01	1.00E-01	9.93E+00	1.00E+01	1.00E+01	1.70E-02
Ethylbenzene	7.00E-01	7.00E-01	7.00E+01	7.00E+01	7.00E+01	2.10E+00
Isopropylbenzene (cumene)	5.00E-03	1.05E+00	2.19E+01	2.19E+01	2.19E+01	NV
m-Xylenes	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
Methylene chloride	5.00E-03	1.19E-01	5.00E-01	5.00E-01	5.00E-01	5.90E-01
o-Xylene	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
p-Xylenes	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
Tetrachloroethene	5.00E-03	5.00E-03	5.00E-01	5.00E-01	5.00E-01	3.30E-03
Toluene	1.00E+00	5.24E+00	1.00E+02	1.00E+02	1.00E+02	5.98E+00
trans-1,2-Dichloroethene	1.00E-01	1.61E-01	1.00E+01	1.00E+01	1.00E+01	1.00E+01
Trichloroethene	5.00E-03	2.86E-02	5.00E-01	5.00E-01	5.00E-01	3.00E-02
Trichlorofluoromethane	2.00E+00	2.00E+00	2.00E+02	2.00E+02	2.00E+02	NV
Vinyl chloride	2.00E-03	3.27E-03	2.00E-01	2.00E-01	2.00E-01	2.40E-03
Xylenes (Total)	1.00E+01	1.00E+01	1.00E+03	1.00E+03	1.00E+03	NV
SVOCs						
1,2,3-Trichlorobenzene	5.00E-03	5.00E-03	2.50E+01	2.50E+01	2.50E+01	NV
1,2,4-Trichlorobenzene	7.00E-02	7.00E-02	1.08E+01	1.08E+01	1.08E+01	7.00E-02
1,2-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	6.00E+01	1.30E+00
1,3-Dichlorobenzene	6.00E-01	6.00E-01	6.00E+01	6.00E+01	6.00E+01	9.60E-01
1,4-Dichlorobenzene	7.50E-02	7.50E-02	7.50E+00	7.50E+00	7.50E+00	1.90E-01
Fluorene	1.00E+00	4.09E+00	3.60E+02	3.60E+02	3.60E+02	5.30E+00
Naphthalene	2.00E-02	2.00E-02	1.00E+02	1.00E+02	1.00E+02	NV
Phenanthrene	1.00E-02	1.00E-02	1.10E+02	1.10E+02	1.10E+02	NV
PCBs						
Aroclor-1016	5.00E-04	3.72E-03	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1221	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1232	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1242	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1248	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1254	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08
Aroclor-1260	5.00E-04	5.00E-04	1.55E+00	1.55E+00	1.55E+00	6.40E-08

Notes:
NV - No value established.
(1) GEPD Rule 391-3-6-.03(5), In-Stream Water Quality Criteria (May 2011).

TABLE C-2
DERIVATION OF GENERIC TYPE 4 TARGET CONCENTRATIONS FOR GROUNDWATER
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

		Toxicity Indices				*PRGs calculated from RAGS*			*Type 4 will not be less than:*		*Type 4*
Regulated Substances	*Toxicity Class*	*CSFo (Oral)*	*CSFi (Inhalation)*	*RfDo (Oral)*	*RfDi (Inhalation)*	*Carcinogenic (C)*	*Non-Carcinogenic (NC)*	*Lesser of C or NC*	*Type 1/3 RRS*	*Detection Limits*	*RRS Target Concentrations*
		(mg/kg-day) $^{-1}$	*(mg/kg-day)* $^{-1}$	*(mg/kg-day)*	*(mg/kg-day)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
VOCs											
1,1,1-Trichloroethane	D	--	--	2.00E+00	1.43E+00	NV	1.36E+01	1.36E+01	2.00E-01	5.00E-03	1.36E+01
1,1,2-Trichloroethane	C	5.70E-02	5.60E-02	4.00E-03	--	4.64E-02	4.09E-01	4.64E-02	5.00E-03	5.00E-03	4.64E-02
1,1-Dichloroethane	C	5.70E-03	5.60E-03	2.00E-01	--	4.64E-01	2.04E+01	4.64E-01	4.00E+00	5.00E-03	4.00E+00
1,1-Dichloroethene	C	--	--	5.00E-02	5.71E-02	NV	5.24E-01	5.24E-01	7.00E-03	5.00E-03	5.24E-01
1,2-Dichloroethane	B2	9.10E-02	9.10E-02	--	2.00E-03	2.86E-03	2.04E-02	2.86E-03	5.00E-03	5.00E-03	5.00E-03
Acetone	D	--	--	9.00E-01	8.86E+00	NV	4.56E+01	4.56E+01	4.00E+00	5.00E-02	4.56E+01
Benzene	A	5.50E-02	2.73E-02	4.00E-03	8.57E-03	8.72E-03	7.21E-02	8.72E-03	5.00E-03	5.00E-03	8.72E-03
Bromomethane	D	--	--	1.40E-03	1.40E-03	NV	1.30E-02	1.30E-02	1.00E-02	5.00E-03	1.30E-02
Carbon disulfide	--	--	--	1.00E-01	2.00E-01	NV	1.70E+00	1.70E+00	4.00E+00	5.00E-03	4.00E+00
Chlorobenzene	D	--	--	2.00E-02	1.43E-02	NV	1.36E-01	1.36E-01	1.00E-01	5.00E-03	1.36E-01
Chloroethane	--	--	--	--	2.86E+00	NV	2.92E+01	2.92E+01	1.00E-02	1.00E-02	2.92E+01
Chloroform	B2	3.10E-02	8.05E-02	1.00E-02	2.80E-02	3.42E-03	2.24E-01	3.42E-03	1.00E-01	5.00E-03	1.00E-01
Chloromethane (methyl chloride)	D	--	--	--	2.57E-02	NV	2.63E-01	2.63E-01	3.00E-03	1.00E-02	2.63E-01
cis-1,2-Dichloroethene	--	--	--	2.00E-03	--	NV	2.04E-01	2.04E-01	7.00E-02	5.00E-03	2.04E-01
Cyclohexane	--	--	--	--	1.71E+00	NV	1.75E+01	1.75E+01	5.00E-03	5.00E-03	1.75E+01
Dibromochloromethane	C	8.40E-02	9.45E-02	2.00E-02	--	2.78E-02	2.04E+00	2.78E-02	1.00E-01	5.00E-03	1.00E-01
Ethylbenzene	D	1.10E-02	8.75E-03	1.00E-01	2.86E-01	2.91E-01	2.27E+00	2.91E-01	7.00E-01	5.00E-03	7.00E-01
Isopropylbenzene (cumene)	D	--	--	1.00E-01	1.14E-01	NV	1.05E+00	1.05E+00	5.00E-03	5.00E-03	1.05E+00
m-Xylenes	D	--	--	2.00E-01	2.86E-02	NV	2.88E-01	2.88E-01	1.00E+01	1.00E-02	1.00E+01
Methylene chloride	B2	7.50E-03	1.65E-03	6.00E-02	2.86E-01	1.19E-01	1.98E+00	1.19E-01	5.00E-03	5.00E-03	1.19E-01
o-Xylene	D	--	--	2.00E-01	2.86E-02	NV	2.88E-01	2.88E-01	1.00E+01	5.00E-03	1.00E+01
p-Xylenes	D	--	--	2.00E-01	2.86E-02	NV	2.88E-01	2.88E-01	1.00E+01	1.00E-02	1.00E+01
Tetrachloroethene	--	5.40E-01	2.07E-02	1.00E-02	7.71E-02	3.83E-03	4.45E-01	3.83E-03	5.00E-03	5.00E-03	5.00E-03
Toluene	D	--	--	8.00E-02	1.43E+00	NV	5.24E+00	5.24E+00	1.00E+00	5.00E-03	5.24E+00
trans-1,2-Dichloroethene	D	--	--	2.00E-02	1.71E-02	NV	1.61E-01	1.61E-01	1.00E-01	5.00E-03	1.61E-01
Trichloroethene	--	5.90E-03	7.00E-03	--	2.80E-03	3.77E-02	2.86E-02	2.86E-02	5.00E-03	5.00E-03	2.86E-02
Trichlorofluoromethane	--	--	--	3.00E-01	2.00E-01	NV	1.92E+00	1.92E+00	2.00E+00	5.00E-03	2.00E+00
Vinyl chloride	A	7.20E-01	1.54E-02	3.00E-03	2.86E-02	3.27E-03	1.50E-01	3.27E-03	2.00E-03	2.00E-03	3.27E-03
Xylenes (Total)	D	--	--	2.00E-01	2.86E-02	NV	2.88E-01	2.88E-01	1.00E+01	5.00E-03	1.00E+01
SVOCs											
1,2,3-Trichlorobenzene	--	--	--	--	--	NV	NV	NV	5.00E-03	5.00E-03	5.00E-03
1,2,4-Trichlorobenzene	D	2.90E-02	--	1.00E-02	5.71E-04	9.87E-01	5.80E-03	5.80E-03	7.00E-02	5.00E-03	7.00E-02
1,2-Dichlorobenzene	D	--	--	9.00E-02	5.71E-02	NV	5.49E-01	5.49E-01	6.00E-01	5.00E-03	6.00E-01
1,3-Dichlorobenzene	D	--	--	--	--	NV	NV	NV	6.00E-01	5.00E-03	6.00E-01
1,4-Dichlorobenzene	--	5.40E-03	3.85E-02	7.00E-02	2.29E-01	7.33E-03	1.76E+00	7.33E-03	7.50E-02	5.00E-03	7.50E-02
Fluorene	D	--	--	4.00E-02	--	NV	4.09E+00	4.09E+00	1.00E+00	1.00E-02	4.09E+00
Naphthalene	C	--	1.19E-01	2.00E-02	8.57E-04	2.40E-02	8.72E-03	8.72E-03	2.00E-02	1.00E-02	2.00E-02
Phenanthrene	D	--	--	--	--	NV	NV	NV	1.00E-02	1.00E-02	1.00E-02
PCBs											
Aroclor-1016	B2	7.00E-02	7.00E-02	7.00E-05	--	3.72E-03	7.15E-03	3.72E-03	5.00E-04	5.00E-04	3.72E-03
Aroclor-1221	B2	2.00E+00	2.00E+00	--	--	1.30E-04	NV	1.30E-04	5.00E-04	5.00E-04	5.00E-04
Aroclor-1232	B2	2.00E+00	2.00E+00	--	--	1.30E-04	NV	1.30E-04	5.00E-04	5.00E-04	5.00E-04
Aroclor-1242	B2	2.00E+00	2.00E+00	--	--	1.30E-04	NV	1.30E-04	5.00E-04	5.00E-04	5.00E-04
Aroclor-1248	B2	2.00E+00	2.00E+00	--	--	1.30E-04	NV	1.30E-04	5.00E-04	5.00E-04	5.00E-04
Aroclor-1254	B2	2.00E+00	2.00E+00	2.00E-05	--	1.30E-04	2.04E-03	1.30E-04	5.00E-04	5.00E-04	5.00E-04
Aroclor-1260	B2	2.00E+00	2.00E+00	--	--	1.30E-04	NV	1.30E-04	5.00E-04	5.00E-04	5.00E-04

Notes:
-- No value available.
NV No value established.
RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR) + (CSFi \times INH \times K)]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR) + ((1/RfDi) \times INH \times K)]}$$

where :

Preliminary Risk Goal (mg/L)	PRG	calculated	
Target Risk Level (unitless)	TR	1.00E-05	GEPD, 2003 (Class A/B carcinogens)
Target Risk Level (unitless)	TR	1.00E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1.00E+00	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSF	chemical-specific	RSL, 2011
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2011
Ingestion Rate (L/day)	IR	1	GEPD, 2003
Inhalation Rate (m^3/day)	INH	20	GEPD, 2003
Exposure Frequency (days/year)	EF	250	GEPD, 2003
Exposure Duration (years)	ED	25	GEPD, 2003
Body Weight (kg)	BW	70	GEPD, 2003
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	9,125	GEPD, 2003
Volatilization Factor (L/m^3)	K	0.5	GEPD, 2003

References:

GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.
RSL, 2011: Regional Screening Level Table Master, June 2011.

TABLE C-3
DERIVATION OF GENERIC TYPE 1 TARGET CONCENTRATIONS FOR SOIl
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

		Toxicity Indices					*PRGs calculated from RAGS*				*App III*			*Type 1*
Regulated Substances	*Toxicity Class*	*CSFo (Oral)*	*CSFi (Inhalation)*	*RfDo (Oral)*	*RfDi (Inhalation)*	*Volatilization Factor (VF)*	*Carcinogenic (C)*	*Non-Carcinogenic (NC)*	*Lesser of C or NC*	*Notification Concentrations*	*Table 2 Criteria*	*Type 1 GW x 100*	*Maximum Concentration*	*RRS Target Concentrations*
		(mg/kg-day)$^{-1}$	*(mg/kg-day)$^{-1}$*	*(mg/kg-day)*	*(mg/kg-day)*	*(m^3/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*
VOCS														
1,1,1-Trichloroethane	D	--	--	2.00E+00	1.43E+00	1.54E+03	NV	1.06E+04	1.06E+04	5.44E+00	NV	2.00E+01	2.00E+01	2.00E+01
1,1,2-Trichloroethane	C	5.70E-02	5.60E-02	4.00E-03	--	8.78E+03	1.67E+02	2.56E+03	1.67E+02	5.00E-01	NV	5.00E-01	5.00E-01	5.00E-01
1,1-Dichloroethane	C	5.70E-03	5.60E-03	2.00E-01	--	2.10E+03	4.20E+02	1.28E+05	4.20E+02	3.00E-02	NV	4.00E+02	4.00E+02	4.00E+02
1,1-Dichloroethene	C	--	--	5.00E-02	5.71E-02	8.63E+02	NV	2.38E+02	2.38E+02	3.60E-01	NV	7.00E-01	7.00E-01	7.00E-01
1,2-Dichloroethane	B2	9.10E-02	9.10E-02	--	2.00E-03	5.21E+03	6.26E+01	5.07E+01	5.07E+01	2.00E-02	NV	5.00E-01	5.00E-01	5.00E-01
Acetone	D	--	--	9.00E-01	8.86E+00	6.56E+03	NV	1.90E+05	1.90E+05	2.74E+00	NV	4.00E+02	4.00E+02	4.00E+02
Benzene	A	5.50E-02	2.73E-02	4.00E-03	8.57E-03	4.50E+03	1.75E+01	1.75E+02	1.75E+01	2.00E-02	NV	5.00E-01	5.00E-01	5.00E-01
Bromomethane	D	--	--	1.40E-03	1.40E-03	1.02E+03	NV	6.86E+00	6.86E+00	8.00E-01	NV	1.00E+00	1.00E+00	1.00E+00
Carbon disulfide	--	--	--	1.00E-01	2.00E-01	8.75E+02	NV	8.41E+02	8.41E+02	5.00E-03	NV	4.00E+02	4.00E+02	4.00E+02
Chlorobenzene	D	--	--	2.00E-02	1.43E-02	8.56E+03	NV	5.68E+02	5.68E+02	4.18E+00	NV	1.00E+01	1.00E+01	1.00E+01
Chloroethane	--	--	--	--	2.86E+00	1.07E+03	NV	1.49E+04	1.49E+04	1.70E-01	NV	1.00E+00	1.00E+00	1.00E+00
Chloroform	B2	3.10E-02	8.05E-02	1.00E-02	2.80E-02	2.75E+03	3.85E+00	3.54E+02	3.85E+00	6.80E-01	NV	1.00E+01	1.00E+01	3.85E+00
Chloromethane (methyl chloride)	D	--	--	--	2.57E-02	8.30E+02	NV	1.04E+02	1.04E+02	4.00E-02	NV	3.00E-01	3.00E-01	3.00E-01
cis-1,2-Dichloroethene	--	--	--	2.00E-03	--	2.73E+03	NV	1.28E+03	1.28E+03	5.30E-01	NV	7.00E+00	7.00E+00	7.00E+00
Cyclohexane	--	--	--	--	1.71E+00	7.74E+02	NV	6.46E+03	6.46E+03	2.00E+01	NV	5.00E-01	2.00E+01	2.00E+01
Dibromochloromethane	C	8.40E-02	9.45E-02	2.00E-02	--	8.75E+03	9.93E+00	1.28E+04	9.93E+00	1.63E+00	NV	1.00E+01	1.00E+01	9.93E+00
Ethylbenzene	D	1.10E-02	8.75E-03	1.00E-01	2.86E-01	7.63E+03	9.23E+02	9.10E+03	9.23E+02	2.00E+01	NV	7.00E+01	7.00E+01	7.00E+01
Isopropylbenzene (cumene)	D	--	--	1.00E-01	1.14E-01	8.41E+03	NV	4.36E+03	4.36E+03	2.19E+01	NV	5.00E-01	2.19E+01	2.19E+01
m-Xylenes	D	--	--	2.00E-01	2.86E-02	7.33E+03	NV	1.01E+03	1.01E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
Methylene chloride	B2	7.50E-03	1.65E-03	6.00E-02	2.86E-01	2.12E+03	1.36E+02	2.73E+03	1.36E+02	8.00E-02	NV	5.00E-01	5.00E-01	5.00E-01
o-Xylene	D	--	--	2.00E-01	2.86E-02	8.66E+03	NV	1.19E+03	1.19E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
p-Xylenes	D	--	--	2.00E-01	2.86E-02	7.48E+03	NV	1.03E+03	1.03E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
Tetrachloroethene	--	5.40E-01	2.07E-02	1.00E-02	7.71E-02	2.65E+03	9.54E+00	8.61E+02	9.54E+00	1.80E-01	NV	5.00E-01	5.00E-01	5.00E-01
Toluene	D	--	--	8.00E-02	1.43E+00	5.61E+03	NV	2.21E+04	2.21E+04	1.44E+01	NV	1.00E+02	1.00E+02	1.00E+02
trans-1,2-Dichloroethene	D	--	--	2.00E-02	1.71E-02	2.73E+03	NV	2.24E+02	2.24E+02	5.30E-01	NV	1.00E+01	1.00E+01	1.00E+01
Trichloroethene	--	5.90E-03	7.00E-03	--	2.80E-03	2.43E+03	3.88E+01	3.31E+01	3.31E+01	1.30E-01	NV	5.00E-01	5.00E-01	5.00E-01
Trichlorofluoromethane	--	--	--	3.00E-01	2.00E-01	5.05E+02	NV	4.91E+02	4.91E+02	7.00E-01	NV	2.00E+02	2.00E+02	2.00E+02
Vinyl chloride	A	7.20E-01	1.54E-02	3.00E-03	2.86E-02	5.72E+02	3.50E+00	7.63E+01	3.50E+00	4.00E-02	NV	2.00E-01	2.00E-01	2.00E-01
Xylenes (Total)	D	--	--	2.00E-01	2.86E-02	7.81E+03	NV	1.08E+03	1.08E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
SVOCs														
1,2,3-Trichlorobenzene	--	--	--	--	--	4.44E+04	NV	NV	NV	2.50E+01	NV	5.00E-01	2.50E+01	2.50E+01
1,2,4-Trichlorobenzene	D	2.90E-02	--	1.00E-02	5.71E-04	4.10E+04	5.15E+03	1.12E+02	1.12E+02	1.08E+01	NV	7.00E+00	1.08E+01	1.08E+01
1,2-Dichlorobenzene	D	--	--	9.00E-02	5.71E-02	1.58E+04	NV	4.09E+03	4.09E+03	2.50E+01	NV	6.00E+01	6.00E+01	6.00E+01
1,3-Dichlorobenzene	D	--	--	--	--	1.34E+04	NV	NV	NV	2.22E+00	NV	6.00E+01	6.00E+01	6.00E+01
1,4-Dichlorobenzene	--	5.40E-03	3.85E-02	7.00E-02	2.29E-01	1.41E+04	4.10E+01	1.16E+04	4.10E+01	6.84E+00	NV	7.50E+00	7.50E+00	7.50E+00
Fluorene	D	--	--	4.00E-02	--	3.90E+05	NV	2.56E+04	2.56E+04	3.60E+02	NV	1.00E+02	3.60E+02	3.60E+02
Naphthalene	C	--	1.19E-01	2.00E-02	8.57E-04	6.42E+04	6.13E+02	2.62E+02	2.62E+02	1.00E+02	NV	2.00E+00	1.00E+02	1.00E+02
Phenanthrene	D	--	--	--	--	NV	NV	NV	NV	1.10E+02	NV	1.00E+00	1.10E+02	1.10E+02
PCBs														
Aroclor-1016	B2	7.00E-02	7.00E-02	7.00E-05	--	NV	2.13E+02	4.48E+01	4.48E+01	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1221	B2	2.00E+00	2.00E+00	--	--	1.18E+05	3.53E+00	NV	3.53E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1232	B2	2.00E+00	2.00E+00	--	--	1.18E+05	3.53E+00	NV	3.53E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1242	B2	2.00E+00	2.00E+00	--	--	NV	7.47E+00	NV	7.47E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1248	B2	2.00E+00	2.00E+00	--	--	NV	7.47E+00	NV	7.47E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1254	B2	2.00E+00	2.00E+00	2.00E-05	--	NV	7.47E+00	1.28E+01	7.47E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1260	B2	2.00E+00	2.00E+00	--	--	NV	7.47E+00	NV	7.47E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00

Notes:
-- No value available.
NV No value established.
RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR \times CF) + (CSFi \times INH \times (1/PEF \text{ or } VF))]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR \times CF) + ((1/RfDi) \times INH \times (1/PEF \text{ or } VF))]}$$

where :

Preliminary Risk Goal (mg/kg)	PRG	calculated	
Target Risk Level (unitless)	TR	1.0E-05	GEPD, 2003 (Class A/B carcinogens)
Target Hazard Level (unitless)	TR	1.0E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSFo	chemical-specific	RSL, 2011
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2011
Ingestion Rate (mg/day)	IR	114	GEPD, 2003
Inhalation Rate (m^3/day)	INH	15	GEPD, 2003
Exposure Frequency (days/year)	EF	350	GEPD, 2003
Exposure Duration (years)	ED	30	GEPD, 2003
Body Weight (kg)	BW	70	GEPD, 2003
Conversion Factor (kg/mg)	CF	1.0E-06	--
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	10,950	GEPD, 2003
Particulate Emission Factor (m^3/kg)	PEF	4.63E+09	GEPD, 2003
Volatilization Factor (m^3/kg)	VF	chemical-specific	Refer to Table 3.7

References:

GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.
RSL, 2011: Regional Screening Level Table Master, June 2011.

TABLE C-4
DERIVATION OF GENERIC TYPE 3 TARGET CONCENTRATIONS FOR SOIL
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

		Toxicity Indices					Longterm On-Site Worker				App III			Type 3
	Toxicity	CSFo	CSFi	RfDo	RfDi	Volatilization	Carcinogenic	Non-Carcinogenic	Lesser of	Notification	Table 2	Type 1 GW	Maximum	RRS Target
Regulated Substances	Class	(Oral)	(Inhalation)	(Oral)	(Inhalation)	Factor (VF)	(C)	(NC)	C or NC	Concentrations	Criteria	x 100	Concentration	Concentrations
		(mg/kg-day) $^{-1}$	(mg/kg-day) $^{-1}$	(mg/kg-day)	(mg/kg-day)	(m^3/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCS														
1,1,1-Trichloroethane	D	--	--	2.00E+00	1.43E+00	1.54E+03	NV	1.12E+04	1.12E+04	5.44E+00	NV	2.00E+01	2.00E+01	2.00E+01
1,1,2-Trichloroethane	C	5.70E-02	5.60E-02	4.00E-03	--	8.78E+03	2.19E+02	8.18E+03	2.19E+02	5.00E-01	NV	5.00E-01	5.00E-01	5.00E-01
1,1-Dichloroethane	C	5.70E-03	5.60E-03	2.00E-01	--	2.10E+03	5.35E+02	4.09E+05	5.35E+02	3.00E-02	NV	4.00E+02	4.00E+02	4.00E+02
1,1-Dichloroethene	C	--	--	5.00E-02	5.71E-02	8.63E+02	NV	2.51E+02	2.51E+02	3.60E-01	NV	7.00E-01	7.00E-01	7.00E-01
1,2-Dichloroethane	B2	9.10E-02	9.10E-02	--	2.00E-03	5.21E+03	8.09E+00	5.33E+01	8.09E+00	2.00E-02	NV	5.00E-01	5.00E-01	5.00E-01
Acetone	D	--	--	9.00E-01	8.86E+00	6.56E+03	NV	2.56E+05	2.56E+05	2.74E+00	NV	4.00E+02	4.00E+02	4.00E+02
Benzene	A	5.50E-02	2.73E-02	4.00E-03	8.57E-03	4.50E+03	2.31E+01	1.92E+02	2.31E+01	2.00E-02	NV	5.00E-01	5.00E-01	5.00E-01
Bromomethane	D	--	--	1.40E-03	1.40E-03	1.02E+03	NV	7.24E+00	7.24E+00	8.00E-01	NV	1.00E+00	1.00E+00	1.00E+00
Carbon disulfide	--	--	--	1.00E-01	2.00E-01	8.75E+02	NV	8.91E+02	8.91E+02	5.00E-03	NV	4.00E+02	4.00E+02	4.00E+02
Chlorobenzene	D	--	--	2.00E-02	1.43E-02	8.56E+03	NV	6.15E+02	6.15E+02	4.18E+00	NV	1.00E+01	1.00E+01	1.00E+01
Chloroethane	--	--	--	--	2.86E+00	1.07E+03	NV	1.57E+04	1.57E+04	1.70E-01	NV	1.00E+00	1.00E+00	1.00E+00
Chloroform	B2	3.10E-02	8.05E-02	1.00E-02	2.80E-02	2.75E+03	4.88E+00	3.86E+02	4.88E+00	6.80E-01	NV	1.00E+01	1.00E+01	4.88E+00
Chloromethane (methyl chloride)	D	--	--	--	2.57E-02	8.30E+02	NV	1.09E+02	1.09E+02	4.00E-02	NV	3.00E-01	3.00E-01	3.00E-01
cis-1,2-Dichloroethene	--	--	--	2.00E-03	--	2.73E+03	NV	4.09E+03	4.09E+03	5.30E-01	NV	7.00E+00	7.00E+00	7.00E+00
Cyclohexane	--	--	--	--	1.71E+00	7.74E+02	NV	6.78E+03	6.78E+03	2.00E+01	NV	5.00E-01	2.00E+01	2.00E+01
Dibromochloromethane	C	8.40E-02	9.45E-02	2.00E-02	--	8.75E+03	1.30E+02	4.09E+04	1.30E+02	1.63E+00	NV	1.00E+01	1.00E+01	1.00E+01
Ethylbenzene	D	1.10E-02	8.75E-03	1.00E-01	2.86E-01	7.63E+03	1.22E+03	1.06E+04	1.22E+03	2.00E+01	NV	7.00E+01	7.00E+01	7.00E+01
Isopropylbenzene (cumene)	D	--	--	1.00E-01	1.14E-01	8.41E+03	NV	4.80E+03	4.80E+03	2.19E+01	NV	5.00E-01	2.19E+01	2.19E+01
m-Xylenes	D	--	--	2.00E-01	2.86E-02	7.33E+03	NV	1.07E+03	1.07E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
Methylene chloride	B2	7.50E-03	1.65E-03	6.00E-02	2.86E-01	2.12E+03	1.80E+02	3.01E+03	1.80E+02	8.00E-02	NV	5.00E-01	5.00E-01	5.00E-01
o-Xylene	D	--	--	2.00E-01	2.86E-02	8.66E+03	NV	1.26E+03	1.26E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
p-Xylenes	D	--	--	2.00E-01	2.86E-02	7.48E+03	NV	1.09E+03	1.09E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
Tetrachloroethene	--	5.40E-01	2.07E-02	1.00E-02	7.71E-02	2.65E+03	1.56E+01	9.93E+02	1.56E+01	1.80E-01	NV	5.00E-01	5.00E-01	5.00E-01
Toluene	D	--	--	8.00E-02	1.43E+00	5.61E+03	NV	3.27E+04	3.27E+04	1.44E+01	NV	1.00E+02	1.00E+02	1.00E+02
trans-1,2-Dichloroethene	D	--	--	2.00E-02	1.71E-02	2.73E+03	NV	2.38E+02	2.38E+02	5.30E-01	NV	1.00E+01	1.00E+01	1.00E+01
Trichloroethene	--	5.90E-03	7.00E-03	--	2.80E-03	2.43E+03	4.94E+01	3.47E+01	3.47E+01	1.30E-01	NV	5.00E-01	5.00E-01	5.00E-01
Trichlorofluoromethane	--	--	--	3.00E-01	2.00E-01	5.05E+02	NV	5.16E+02	5.16E+02	7.00E-01	NV	2.00E+02	2.00E+02	2.00E+02
Vinyl chloride	A	7.20E-01	1.54E-02	3.00E-03	2.86E-02	5.72E+02	4.98E+00	8.23E+01	4.98E+00	4.00E-02	NV	2.00E-01	2.00E-01	2.00E-01
Xylenes (Total)	D	--	--	2.00E-01	2.86E-02	7.81E+03	NV	1.14E+03	1.14E+03	2.00E+01	NV	1.00E+03	1.00E+03	1.00E+03
SVOCs														
1,2,3-Trichlorobenzene	--	--	--	--	--	4.44E+04	NV	NV	NV	2.50E+01	NV	5.00E-01	2.50E+01	2.50E+01
1,2,4-Trichlorobenzene	D	2.90E-02	--	1.00E-02	5.71E-04	4.10E+04	1.97E+04	1.19E+02	1.19E+02	1.08E+01	NV	7.00E+00	1.08E+01	1.08E+01
1,2-Dichlorobenzene	D	--	--	9.00E-02	5.71E-02	1.58E+04	NV	4.51E+03	4.51E+03	2.50E+01	NV	6.00E+01	6.00E+01	6.00E+01
1,3-Dichlorobenzene	D	--	--	--	--	1.34E+04	NV	NV	NV	2.22E+00	NV	6.00E+01	6.00E+01	6.00E+01
1,4-Dichlorobenzene	--	5.40E-03	3.85E-02	7.00E-02	2.29E-01	1.41E+04	5.22E+01	1.48E+04	5.22E+01	6.84E+00	NV	7.50E+00	7.50E+00	7.50E+00
Fluorene	D	--	--	4.00E-02	--	3.90E+05	NV	8.18E+04	8.18E+04	3.60E+02	NV	1.00E+02	3.60E+02	3.60E+02
Naphthalene	C	--	1.19E-01	2.00E-02	8.57E-04	6.42E+04	7.72E+02	2.79E+02	2.79E+02	1.00E+02	NV	2.00E+00	1.00E+02	1.00E+02
Phenanthrene	D	--	--	--	--	NV	NV	NV	NV	1.10E+02	NV	1.00E+00	1.10E+02	1.10E+02
PCBs														
Aroclor-1016	B2	7.00E-02	7.00E-02	7.00E-05	--	NV	8.18E+02	1.43E+02	1.43E+02	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1221	B2	2.00E+00	2.00E+00	--	--	1.18E+05	6.52E+00	NV	6.52E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1232	B2	2.00E+00	2.00E+00	--	--	1.18E+05	6.52E+00	NV	6.52E+00	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1242	B2	2.00E+00	2.00E+00	--	--	NV	2.86E+01	NV	2.86E+01	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1248	B2	2.00E+00	2.00E+00	--	--	NV	2.86E+01	NV	2.86E+01	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1254	B2	2.00E+00	2.00E+00	2.00E-05	--	NV	2.86E+01	4.09E+01	2.86E+01	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00
Aroclor-1260	B2	2.00E+00	2.00E+00	--	--	NV	2.86E+01	NV	2.86E+01	1.55E+00	NV	5.00E-02	1.55E+00	1.55E+00

Notes:
-- No value available.
NV No value established.
NR Not regulated.
RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR \times CF) + (CSFi \times INH \times (1/PEF \text{ or } VF))]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR \times CF) + ((1/RfDi) \times INH \times (1/PEF \text{ or } VF))]}$$

where :

Preliminary Risk Goal (mg/kg)	PRG	calculated	
Target Risk Level (unitless)	TR	1.0E-05	GEPD, 2003 (Class A/B carcinogens)
Target Hazard Level (unitless)	TR	1.0E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSF	chemical-specific	RSL, 2011
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2011
Ingestion Rate (mg/day)	IR	50	GEPD, 2003
Inhalation Rate (m^3/day)	INH	20	GEPD, 2003
Exposure Frequency (days/year)	EF	250	GEPD, 2003
Exposure Duration (years)	ED	25	GEPD, 2003
Body Weight (kg)	BW	70	GEPD, 2003
Conversion Factor (kg/mg)	CF	1.0E-06	--
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	9,125	GEPD, 2003
Particulate Emission Factor (m^3/kg)	PEF	4.63E+09	GEPD, 2003
Volatilization Factor (m^3/kg)	VF	chemical-specific	Refer to Table 3.7

References:
GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.
RSL, 2011: Regional Screening Level Table Master, June 2011.

TABLE C-5
DERIVATION OF GENERIC TYPE 4 TARGET CONCENTRATIONS FOR SOIL
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

	Leaching Potential		Toxicity Indices					Longterm On-Site Worker			Type 4 will not to be less than:			Type 4
Regulated Substances	criterion d.1 (1)	Toxicity Class	CSFo (Oral)	CSFi (Inhalation)	RfDo (Oral)	RfDi (Inhalation)	Volatilization Factor (VF) (2)	Carcinogenic criterion d.2	Non-Carcinogenic criterion d.3	Least of d.1 thru d.3	Table 2 App III	Background Conc.	Type 3 RRS	RRS Target Concentrations
	(mg/kg)		(mg/kg-day)$^{-1}$	(mg/kg-day)$^{-1}$	(mg/kg-day)	(mg/kg-day)	(m^3/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs														
1,1,1-Trichloroethane	4.78E+00	D	--	--	2.00E+00	1.43E+00	1.54E+03	NV	1.12E+04	4.78E+00	NV	NV	2.00E+01	2.00E+01
1,1,2-Trichloroethane	1.50E-02	C	5.70E-02	5.60E-02	4.00E-03	--	8.78E+03	2.19E+02	8.18E+03	1.50E-02	NV	NV	5.00E-01	5.00E-01
1,1-Dichloroethane	1.14E+00	C	5.70E-03	5.60E-03	2.00E-01	--	2.10E+03	5.35E+02	4.09E+05	1.14E+00	NV	NV	4.00E+02	4.00E+02
1,1-Dichloroethene	1.88E-01	C	--	--	5.00E-02	5.71E-02	8.63E+02	NV	2.51E+02	1.88E-01	NV	NV	7.00E-01	7.00E-01
1,2-Dichloroethane	1.42E-03	B2	9.10E-02	9.10E-02	--	2.00E-03	5.21E+03	8.09E+00	5.33E+01	1.42E-03	NV	NV	5.00E-01	5.00E-01
Acetone	9.35E+00	D	--	--	9.00E-01	8.86E+00	6.56E+03	NV	2.56E+05	9.35E+00	NV	NV	4.00E+02	4.00E+02
Benzene	4.47E-03	A	5.50E-02	2.73E-02	4.00E-03	8.57E-03	4.50E+03	2.31E+01	1.92E+02	4.47E-03	NV	NV	5.00E-01	5.00E-01
Bromomethane	3.29E-03	D	--	--	1.40E-03	1.40E-03	1.02E+03	NV	7.24E+00	3.29E-03	NV	NV	1.00E+00	1.00E+00
Carbon disulfide	1.19E+00	--	--	--	1.00E-01	2.00E-01	8.75E+02	NV	8.91E+02	1.19E+00	NV	NV	4.00E+02	4.00E+02
Chlorobenzene	9.26E-02	D	--	--	2.00E-02	1.43E-02	8.56E+03	NV	6.15E+02	9.26E-02	NV	NV	1.00E+01	1.00E+01
Chloroethane	8.31E+00	--	--	--	--	2.86E+00	1.07E+03	NV	1.57E+04	8.31E+00	NV	NV	1.00E+00	8.31E+00
Chloroform	2.77E-02	B2	3.10E-02	8.05E-02	1.00E-02	2.80E-02	2.75E+03	4.88E+00	3.86E+02	2.77E-02	NV	NV	4.88E+00	4.88E+00
Chloromethane (methyl chloride)	6.80E-02	D	--	--	--	2.57E-02	8.30E+02	NV	1.09E+02	6.80E-02	NV	NV	3.00E-01	3.00E-01
cis-1,2-Dichloroethene	6.01E-02	--	--	--	2.00E-03	--	2.73E+03	NV	4.09E+03	6.01E-02	NV	NV	7.00E+00	7.00E+00
Cyclohexane	1.82E+01	--	--	--	--	1.71E+00	7.74E+02	NV	6.78E+03	1.82E+01	NV	NV	2.00E+01	2.00E+01
Dibromochloromethane	2.67E-02	C	8.40E-02	9.45E-02	2.00E-02	--	8.75E+03	1.30E+02	4.09E+04	2.67E-02	NV	NV	1.00E+01	1.00E+01
Ethylbenzene	7.85E-01	D	1.10E-02	8.75E-03	1.00E-01	2.86E-01	7.63E+03	1.22E+03	1.06E+04	7.85E-01	NV	NV	7.00E+01	7.00E+01
Isopropylbenzene (cumene)	1.72E+00	D	--	--	1.00E-01	1.14E-01	8.41E+03	NV	4.80E+03	1.72E+00	NV	NV	2.19E+01	2.19E+01
m-Xylenes	9.77E+00	D	--	--	2.00E-01	2.86E-02	7.33E+03	NV	1.07E+03	9.77E+00	NV	NV	1.00E+03	1.00E+03
Methylene chloride	3.06E-02	B2	7.50E-03	1.65E-03	6.00E-02	2.86E-01	2.12E+03	1.80E+02	3.01E+03	3.06E-02	NV	NV	5.00E-01	5.00E-01
o-Xylene	9.85E+00	D	--	--	2.00E-01	2.86E-02	8.66E+03	NV	1.26E+03	9.85E+00	NV	NV	1.00E+03	1.00E+03
p-Xylenes	9.76E+00	D	--	--	2.00E-01	2.86E-02	7.48E+03	NV	1.09E+03	9.76E+00	NV	NV	1.00E+03	1.00E+03
Tetrachloroethene	2.27E-03	--	5.40E-01	2.07E-02	1.00E-02	7.71E-02	2.65E+03	1.56E+01	9.93E+02	2.27E-03	NV	NV	5.00E-01	5.00E-01
Toluene	3.63E+00	D	--	--	8.00E-02	1.43E+00	5.61E+03	NV	3.27E+04	3.63E+00	NV	NV	1.00E+02	1.00E+02
trans-1,2-Dichloroethene	4.75E-02	D	--	--	2.00E-02	1.71E-02	2.73E+03	NV	2.38E+02	4.75E-02	NV	NV	1.00E+01	1.00E+01
Trichloroethene	1.02E-02	--	5.90E-03	7.00E-03	--	2.80E-03	2.43E+03	4.94E+01	3.47E+01	1.02E-02	NV	NV	5.00E-01	5.00E-01
Trichlorofluoromethane	1.29E+00	--	--	--	3.00E-01	2.00E-01	5.05E+02	NV	5.16E+02	1.29E+00	NV	NV	2.00E+02	2.00E+02
Vinyl chloride	1.13E-03	A	7.20E-01	1.54E-02	3.00E-03	2.86E-02	5.72E+02	4.98E+00	8.23E+01	1.13E-03	NV	NV	2.00E-01	2.00E-01
Xylenes (Total)	9.85E+00	D	--	--	2.00E-01	2.86E-02	7.81E+03	NV	1.14E+03	9.85E+00	NV	NV	1.00E+03	1.00E+03
SVOCs														
1,2,3-Trichlorobenzene	1.48E-02	--	--	--	--	--	4.44E+04	NV	NV	1.48E-02	NV	NV	2.50E+01	2.50E+01
1,2,4-Trichlorobenzene	2.04E-01	D	2.90E-02	--	1.00E-02	5.71E-04	4.10E+04	1.97E+04	1.19E+02	2.04E-01	NV	NV	1.08E+01	1.08E+01
1,2-Dichlorobenzene	5.84E-01	D	--	--	9.00E-02	5.71E-02	1.58E+04	NV	4.51E+03	5.84E-01	NV	NV	6.00E+01	6.00E+01
1,3-Dichlorobenzene	5.76E-01	D	--	--	--	--	1.34E+04	NV	NV	5.76E-01	NV	NV	6.00E+01	6.00E+01
1,4-Dichlorobenzene	7.20E-02	--	5.40E-03	3.85E-02	7.00E-02	2.29E-01	1.41E+04	5.22E+01	1.48E+04	7.20E-02	NV	NV	7.50E+00	7.50E+00
Fluorene	7.57E+01	D	--	--	4.00E-02	--	3.90E+05	NV	8.18E+04	7.57E+01	NV	NV	3.60E+02	3.60E+02
Naphthalene	6.58E-02	C	--	1.19E-01	2.00E-02	8.57E-04	6.42E+04	7.72E+02	2.79E+02	6.58E-02	NV	NV	1.00E+02	1.00E+02
Phenanthrene	NV	D	--	--	--	--	NV	NV	NV	0.00E+00	NV	NV	1.10E+02	1.10E+02
PCBs														
Aroclor-1016	3.55E-01	B2	7.00E-02	7.00E-02	7.00E-05	--	NV	8.18E+02	1.43E+02	3.55E-01	NV	NV	1.55E+00	1.55E+00
Aroclor-1221	8.50E-03	B2	2.00E+00	2.00E+00	--	--	1.18E+05	6.52E+00	NV	8.50E-03	NV	NV	1.55E+00	1.55E+00
Aroclor-1232	8.50E-03	B2	2.00E+00	2.00E+00	--	--	1.18E+05	6.52E+00	NV	8.50E-03	NV	NV	1.55E+00	1.55E+00
Aroclor-1242	7.82E-02	B2	2.00E+00	2.00E+00	--	--	NV	2.86E+01	NV	7.82E-02	NV	NV	1.55E+00	1.55E+00
Aroclor-1248	7.66E-02	B2	2.00E+00	2.00E+00	--	--	NV	2.86E+01	NV	7.66E-02	NV	NV	1.55E+00	1.55E+00
Aroclor-1254	1.31E-01	B2	2.00E+00	2.00E+00	2.00E-05	--	NV	2.86E+01	4.09E+01	1.31E-01	NV	NV	1.55E+00	1.55E+00
Aroclor-1260	3.50E-01	B2	2.00E+00	2.00E+00	--	--	NV	2.86E+01	NV	3.50E-01	NV	NV	1.55E+00	1.55E+00

Notes:
-- No value available.
NV No value established.
NR Not regulated.
RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.
(1) See Table 3.6 in derivation of leaching potential (criterion d.1). Note, based on DAF of 1.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR \times CF) + (CSFi \times INH \times (1/PEF \text{ or } VF))]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR \times CF) + ((1/RfDi) \times INH \times (1/PEF \text{ or } VF))]}$$

where :

Preliminary Risk Goal (mg/kg)	PRG	calculated	
Target Risk Level (unitless)	TR	1.0E-05	GEPD, 2003 (Class A/B carcinogens)
Target Hazard Level (unitless)	TR	1.0E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSF	chemical-specific	RSL, 2011
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2011
Ingestion Rate (mg/day) - adult	IR	50	GEPD, 2003
Inhalation Rate (m^3/day)	INH	20	GEPD, 2003
Exposure Frequency (days/year)	EF	250	GEPD, 2003
Exposure Duration (years) - adult	ED	25	GEPD, 2003
Body Weight (kg) - adult	BW	70	GEPD, 2003
Conversion Factor (kg/mg)	CF	1.0E-06	--
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	9,125	GEPD, 2003
Particulate Emission Factor (m^3/kg)	PEF	4.63E+09	GEPD, 2003
Volatilization Factor (m^3/kg)	VF	chemical-specific	Refer to Table 3.7

References:
GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.
RSL, 2011: Regional Screening Level Table Master, June 2011.

TABLE C-6
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 = Cw x [Kd + (Ow + Oa x H)/Pb]

Note: Based on DAF of 1.

where :		
Cw	chemical specific	
Kd	chemical specific	= Koc x Foc; where Foc = 0.002 (0.2%)
Ow	0.3	
Oa	n-Ow	0.13
n	1-(Pb/Ps)	0.43
Pb	1.5	
Ps	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, June 2011.
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/)

	Soil Leaching Criterion d.1	*GW RRSs (Type 3 or 4 RRS)*	*Partition Coefficient (1)*	*Koc (1)*	*Henry Law's Constant*
	mg/kg	*mg/L*	*L/kg*	*L/kg*	*dimensionless*
VOCS					
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	3.29E-03	1.30E-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	6.01E-02	2.04E-01	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	9.77E+00	1.00E+01	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	9.85E+00	1.00E+01	7.66E-01	3.83E+02	2.12E-01
p-Xylenes	9.76E+00	1.00E+01	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	1.02E-02	2.86E-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 C-6
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 = Cw x [Kd + (Ow + Oa x H)/Pb]

Note: Based on DAF of 1.

where :		
Cw	chemical specific	
Kd	chemical specific	= Koc x Foc; where Foc = 0.002 (0.2%)
Ow	0.3	
Oa	n-Ow	0.13
n	1-(Pb/Ps)	0.43
Pb	1.5	
Ps	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, June 2011.
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/)

	Soil Leaching Criterion d.1	*GW RRSs (Type 3 or 4 RRS)*	*Partition Coefficient (1)*	*Koc (1)*	*Henry Law's Constant*
	mg/kg	*mg/L*	*L/kg*	*L/kg*	*dimensionless*
SVOCs					
1,2,3-Trichlorobenzene	1.48E-02	5.00E-03	2.76E+00	**1.38E+03**	**5.11E-02**
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	**3.75E+02**	**1.08E-01**
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	NV	1.00E-02	NV	**1.67E+04**	**1.73E-03**
PCBs					
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 C-7
CALCULATION OF VOLATILIZATION FACTOR (VF) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

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

where :

alpha (cm^2/s) = $(D_{ei} \times E)/(E + [p_s(1-E)/K_{as}])$
LS/ length of side of contaminated area (m^2) = 4.50E+01
V/ wind speed in mixing zone (m/s) = 2.25E+00
DH/ diffusion height (m) = 2.00E+00
A/ area of contamination (cm^2) = 2.03E+07
T/ exposure interval (s) = 7.88E+08 (= 25 yrs)
p_s/ density of soil solids (g/cm^3) = 2.65E+00
OC/ soil organic carbon content fraction (unitless) = 2.00E-02
D_{ei}/ effective diffusivity (cm^2/s) = $D_i \times E^{0.33}$
D_i/ Molecular Diffusivity (cm^2/s) = chemical specific
E/ total soil porosity (unitless) = 3.50E-01
K_{as}/ soil/ air partition coefficient (g soil/ cm^3 air) = $(H/K_d) \times 41$
K_d/ soil-water partition coefficient (cm^3/g) = Koc x Foc; where Foc = 0.02 (2%)
H/ Henry's Law Constant (atm-m^3/mol) = chemical specific
Koc/ organic carbon partition coefficient (cm^3/g) = 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, June 2011.
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 **Di, H, Koc, and Kd** were taken from RAIS Website (http://rais.ornl.gov/)

Parameters	**D_i (1)**	**D_{ei}**	**H (1)**	**Koc (1)**	**K_d**	**K_{as}**	**alpha**	**VF**
VOCS								
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 C-7
CALCULATION OF VOLATILIZATION FACTOR (VF) FOR HSRA SOIL TARGET CONCENTRATIONS
1610 SOUTHLAND CIRCLE
ATLANTA, GEORGIA

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

where :

alpha (cm^2/s) = $(D_{ei} \times E)/(E + [p_s(1-E)/K_{as}])$
LS/ length of side of contaminated area (m^2) = 4.50E+01
V/ wind speed in mixing zone (m/s) = 2.25E+00
DH/ diffusion height (m) = 2.00E+00
A/ area of contamination (cm^2) = 2.03E+07
T/ exposure interval (s) = 7.88E+08 (= 25 yrs)
p_s/ density of soil solids (g/cm^3) = 2.65E+00
OC/ soil organic carbon content fraction (unitless) = 2.00E-02
D_{ei}/ effective diffusivity (cm^2/s) = $D_i \times E^{0.33}$
D_i/ Molecular Diffusivity (cm^2/s) = chemical specific
E/ total soil porosity (unitless) = 3.50E-01
K_{as}/ soil/ air partition coefficient (g soil/ cm^3 air) = $(H/K_d) \times 41$
K_d/ soil-water partition coefficient (cm^3/g) = Koc x Foc; where Foc = 0.02 (2%)
H/ Henry's Law Constant ($atm\text{-}m^3/mol$) = chemical specific
Koc/ organic carbon partition coefficient (cm^3/g) = 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, June 2011.
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 **Di, H, Koc, and Kd** were taken from RAIS Website (http://rais.ornl.gov/)

Parameters	D_i (1)	D_{ei}	H (1)	Koc (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

APPENDIX D

GROUDWATER LOW-FLOW PURGE RECORD (AUGUST 2011)

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: David Brytowski

Monitoring Well Data:

Well No.: **MW-1**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 17.9
Measured Well Depth (ft): 17.85
Depth of Sediment (ft):
Saturated Screen Length (ft): 15
Depth to Pump Intake (ft)[1]: 13
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 9.36

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
9:35	70	11.28	1.92	25.41	0.420	7.8	0.37	5.94	-85
9:40	70	11.63	2.27	25.44	0.421	8.8	0.34	5.94	-86
**switch to 3 volumes									
1	--	14.45	5.09	24.04	0.410	16.1	0.23	5.90	-85
2	--	--	--	21.70	0.379	24.0	1.10	5.77	-51
10:35	Sample Time		**GE-082311-DJB-105**						
			2 x VOAs: VOCs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: David Brytowski

Monitoring Well Data:

Well No.: **MW-2**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 17.15
Measured Well Depth (ft): 17.1
Depth of Sediment (ft):
Saturated Screen Length (ft): 15
Depth to Pump Intake (ft)[1]: 15
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 13.07

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
11:25	70	13.20	0.13	27.12	0.251	2.1	0.24	6.26	-75
11:30	70	13.21	0.14	27.05	0.253	1.4	0.23	6.26	-76
11:35	70	13.22	0.15	26.89	0.254	0.0	0.20	6.27	-79
11:40	70	13.23	0.16	26.72	0.255	0.0	0.18	6.28	-81
11:45	70	13.24	0.17	26.69	0.255	0.0	0.16	6.28	-82
12:00	Sample Time		**GW-082311-DJB-106**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: David Brytowski

Monitoring Well Data:

Well No.: **MW-3**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 17.6
Measured Well Depth (ft):
Depth of Sediment (ft):
Saturated Screen Length (ft): 15
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 4
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 9.98

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*:0.005 or 0.01 (*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
12:45	110	10.19	0.21	32.72	0.252	55.9	0.74	5.91	-25
12:50	110	10.19	0.21	32.89	0.252	44.9	0.67	5.89	-18
12:55	110	10.19	0.21	33.20	0.255	42.0	0.57	5.89	-19
13:00	110	10.19	0.21	33.28	0.256	47.6	0.50	5.90	-23
13:05	110	10.19	0.21	33.52	0.261	39.2	0.45	5.90	-27
13:10	110	10.20	0.22	33.84	0.262	36.2	0.41	5.91	-30
13:15	110	10.20	0.22	34.04	0.262	33.3	0.40	5.91	-33
13:30	Sample Time		**GW-082311-DJB-107**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-4**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 24.5
Measured Well Depth (ft): 24.89
Depth of Sediment (ft):
Saturated Screen Length (ft): 10
Depth to Pump Intake (ft)[(1)]: 20
Well Diameter, D (in): 1
Well Screen Volume, V_s (L)[(2)]:
Initial Depth to Water (ft): 7.84

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[(2)] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[(3)]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
10:25	150	8.47	0.63	24.76	0.000	3.1	6.18	6.53	-1
10:30	150	8.46	0.62	23.85	0.259	30.2	0.00	5.44	13
10:35	150	8.46	0.62	23.69	0.257	23.6	0.00	5.46	-12
10:40	150	8.46	0.62	23.56	0.258	19.2	0.00	5.50	-39
10:45	150	8.46	0.62	23.46	0.260	18.7	0.00	5.54	-54
10:50	150	8.46	0.62	23.43	0.262	17.8	0.00	5.57	-61
10:55	150	8.46	0.62	23.34	0.265	16.4	0.00	5.57	-65
11:00	150	8.46	0.62	23.35	0.266	18.2	0.00	5.59	-68
11:05	Sample Time		**GW-082311-EAH-106**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: David Brytowski

Monitoring Well Data:

Well No.: **MW-5**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 22.1
Measured Well Depth (ft): 21.9
Depth of Sediment (ft):
Saturated Screen Length (ft): 5
Depth to Pump Intake (ft)[1]: 17
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 6.05

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
		Precision Required:		*±3 %*	*:0.005 or 0.01 [3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
8:10	70	7.44	1.39	24.56	0.223	91.4	0.52	5.42	4
8:15	70	7.54	1.49	24.35	0.223	82.5	0.41	5.49	-1
8:20	70	7.56	1.51	23.74	0.226	68.6	0.50	5.52	-4
8:25	70	7.60	1.55	23.93	0.224	62.4	0.32	5.56	-6
8:30	70	7.61	1.56	23.93	0.222	47.0	0.23	5.59	-9
8:35	70	7.61	1.56	23.88	0.223	51.8	0.21	5.60	-11
8:40	70	7.62	1.57	23.88	0.223	39.9	0.19	5.61	-12
8:45	70	7.63	1.58	23.91	0.223	31.9	0.18	6.62	-14
8:50	70	7.64	1.59	23.96	0.223	31.1	0.17	5.64	-15
8:55	70	7.65	1.60	24.01	0.223	34.4	0.16	5.64	-15
9:00	Sample Time		**GW-082311-DJB-104**						
			2 x VOAs: VOCs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 22, 2011
Personnel: David Brytowski

Monitoring Well Data:

Well No.: **MW-6**
Vapour PID (ppm): --
Measurement Point: --
Constructed Well Depth (ft): 36.48
Measured Well Depth (ft): 36.4
Depth of Sediment (ft):
Saturated Screen Length (ft): 5
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 13.31

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level*[2] *(ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	***±3 %***	***±0.005 or 0.01***[3]	***±10 %***	***±10 %***	***±0.1 Units***	***±10 mV***
15:50	70	14.45	1.14	35.30	0.312	10.30	4.06	6.56	476
15:55	70	14.52	1.21	35.29	0.306	10.30	3.72	6.56	498
16:00	70	14.55	1.24	34.86	0.304	8.75	3.85	6.56	510
16:05	70	14.58	1.27	35.00	0.308	6.67	3.39	6.54	504
16:10	70	14.58	1.27	35.26	0.311	6.96	2.72	6.48	372
16:15	70	14.58	1.27	35.51	0.315	6.22	1.94	6.39	148
16:20	70	14.59	1.28	35.33	0.323	6.44	1.09	6.33	62
16:25	70	14.59	1.28	35.55	0.332	6.30	0.73	6.31	45
16:30	70	14.60	1.29	35.53	0.334	5.46	0.63	6.31	41
16:35	70	14.61	1.30	35.28	0.340	5.37	0.55	6.31	38
16:40	70	14.62	1.31	35.33	0.346	4.80	0.47	6.30	34
16:45	70	14.64	1.33	35.70	0.345	4.92	0.43	6.30	33
16:50	70	14.64	1.33	35.81	0.342	4.80	0.40	6.29	32
17:00	Sample Time		**GW-082211-DJB-102**						
			2 x VOAs: VOCs						
17:10	Sample Time		**GW-082211-DJB-103 (dup)**						
			2 x VOAs: VOCs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-7**
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (ft): 41.5
Measured Well Depth (ft): 41.72
Depth of Sediment (ft):
Saturated Screen Length (ft): 5
Depth to Pump Intake (ft)[(1)]: 35
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[(2)]:
Initial Depth to Water (ft): 20.18

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[(2)] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[(3)]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
7:50	200	20.73	0.55	22.14	0.279	1.9	1.14	5.62	195
7:55	200	20.87	0.69	22.13	0.258	2.3	0.18	6.29	158
8:00	200	20.96	0.78	22.12	0.250	1.5	0.00	6.32	199
8:05	200	21.04	0.86	22.11	0.244	0.5	0.00	6.35	219
8:10	200	21.08	0.90	22.09	0.240	0.1	0.00	6.37	238
8:15	200	21.11	0.93	22.09	0.236	0.0	0.00	6.38	245
8:20	200	21.13	0.95	22.10	0.234	0.0	0.00	6.39	247
8:25	Sample Time		**GW-082311-EAH-104**						
			2 x VOAs: VOCs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 22, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-8**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 30.48
Measured Well Depth (ft): 30.64
Depth of Sediment (ft):
Saturated Screen Length (ft): 10
Depth to Pump Intake (ft)[1]: 25
Well Diameter, D (in): 1
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 22.18

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
14:10	150	23.16	0.98	39.89	0.233	109.0	1.49	6.46	-83
14:15	150	23.20	1.02	35.86	0.243	87.2	0.11	6.15	-77
14:20	150	23.14	0.96	34.21	0.239	77.3	0.00	6.06	-82
14:25	150	23.11	0.93	34.09	0.241	66.4	0.00	6.16	-101
14:30	150	23.12	0.94	33.75	0.245	63.5	0.00	6.21	-109
14:35	150	23.13	0.95	33.45	0.246	59.1	0.00	6.21	-110
14:45	Sample Time		**GW-082211-EAH-102 (MS/MSD)**						
			6 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 22, 2011
Personnel: David Brytowski

Monitoring Well Data:

Well No.: **MW-9**
Vapour PID (ppm): --
Measurement Point: --
Constructed Well Depth (ft): 28.2
Measured Well Depth (ft): 28.2
Depth of Sediment (ft):
Saturated Screen Length (ft): 10
Depth to Pump Intake (ft)[(1)]: 25
Well Diameter, D (in): 1
Well Screen Volume, V_s (L)[(2)]:
Initial Depth to Water (ft): 21.81

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level [(2)] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01 [(3)]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
14:40	70	--	--	35.55	0.362	79.3	1.47	6.10	42
14:45	70	--	--	35.11	0.352	71.6	1.22	6.08	41
14:50	70	--	--	34.47	0.349	64.1	1.65	6.04	41
14:55	70	--	--	33.99	0.350	60.4	2.15	6.02	41
15:00	70	--	--	33.49	0.355	57.3	2.19	6.00	40
15:05	70	--	--	33.06	0.357	55.1	2.20	5.98	39
15:15	Sample Time		**GW-082211-DJB-101**						
			2 x VOAs: VOCs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-10**
Vapour PID (ppm):
Measurement Point: TOC
Constructed Well Depth (ft): 20.2
Measured Well Depth (ft): 20.26
Depth of Sediment (ft):
Saturated Screen Length (ft): 10
Depth to Pump Intake (ft)[1]: 18.5
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 14.42

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
9:15	100	15.55	1.13	22.96	0.272	3.29	0.00	6.43	-150
9:20	100	15.60	1.18	22.26	0.272	2.71	0.00	6.49	-166
9:25	100	15.64	1.22	22.18	0.272	1.71	0.00	6.54	-173
9:30	100	15.67	1.25	22.24	0.272	2.92	0.00	6.59	-177
9:35	100	15.69	1.27	22.25	0.271	2.27	0.00	6.62	-180
9:40	100	15.70	1.28	22.25	0.270	3.38	0.00	6.64	-183
9:45	Sample Time		**GW-082311-EAH-105**						
			2 x VOAs: VOCs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 22, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-11**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 30.1
Measured Well Depth (ft): 30.35
Depth of Sediment (ft):
Saturated Screen Length (ft): 15
Depth to Pump Intake (ft)[1]: 25
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 18.91

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
11:55	150	19.20	0.29	35.23	0.537	45.8	0.44	5.52	206
12:00	150	19.27	0.36	33.79	0.446	37.7	0.00	5.59	160
12:05	150	19.34	0.43	32.57	0.418	35.5	0.00	5.45	144
12:10	150	19.40	0.49	32.01	0.404	33.0	0.00	5.39	139
12:15	150	19.46	0.55	31.97	0.395	29.0	0.00	5.38	135
12:20	150	19.49	0.58	31.51	0.391	23.8	0.00	5.38	129
12:25	150	19.54	0.63	31.45	0.381	23.5	0.00	5.23	103
12:30	150	19.58	0.67	30.44	0.380	21.9	0.00	5.25	100
12:45	Sample Time		**GW-082211-EAH-101**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-12**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 40.08
Measured Well Depth (ft): 40.31
Depth of Sediment (ft):
Saturated Screen Length (ft): 10
Depth to Pump Intake (ft)[1]: 35
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 13.5

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level [2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	***±3 %***	***±0.005 or 0.01 [3]***	***±10 %***	***±10 %***	***±0.1 Units***	***±10 mV***
12:25	175	13.92	0.42	25.74	0.249	0.0	1.35	5.25	83
12:30	175	14.05	0.55	25.70	0.243	0.0	0.00	5.23	150
12:35	175	14.08	0.58	25.79	0.243	0.0	0.00	5.23	156
12:40	175	14.08	0.58	26.06	0.243	0.0	0.00	5.23	163
12:45	175	14.08	0.58	26.43	0.243	0.0	0.00	5.23	166
12:50	Sample Time		**GW-082311-EAH-107**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 22, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-12D**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 70.6
Measured Well Depth (ft): 71.5
Depth of Sediment (ft):
Saturated Screen Length (ft): 10
Depth to Pump Intake (ft)[1]: 65
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 14.21

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level [2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01 [3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
13:40	200	14.27	0.06	31.27	0.351	215.0	0.00	6.03	9
13:45	200	14.27	0.06	30.97	0.333	152.0	0.00	5.95	48
13:50	200	14.27	0.06	31.72	0.327	134.0	0.00	5.94	62
13:55	200	14.28	0.07	30.43	0.319	98.0	0.00	5.93	78
14:00	200	14.27	0.06	30.43	0.316	89.6	0.00	5.89	88
14:05	200	14.27	0.06	30.30	0.313	74.9	0.00	5.88	97
14:10	200	14.27	0.06	30.07	0.312	63.4	0.00	5.89	99
14:15	200	14.27	0.06	30.23	0.313	55.7	0.00	5.88	101
14:20	Sample Time		**GW-082311-EAH-108**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 22, 2011
Personnel: Betz Hamilton

Monitoring Well Data:

Well No.: **MW-13**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 25.15
Measured Well Depth (ft): --
Depth of Sediment (ft):
Saturated Screen Length (ft): 10
Depth to Pump Intake (ft)[(1)]: 22
Well Diameter, D (in): 2
Well Screen Volume, V_s (L)[(2)]: --
Initial Depth to Water (ft): 19.93

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level[(2)] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01[(3)]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
15:40	150	--	--	42.28	0.326	13.9	0.56	6.45	-148
15:45	150	20.15	0.22	36.24	0.339	12.9	0.00	6.53	-159
15:50	150	20.20	0.27	34.81	0.347	13.8	0.00	6.43	-156
15:55	150	20.25	0.32	34.03	0.352	16.2	0.00	6.22	-145
16:00	150	20.30	0.37	33.37	0.355	17.6	0.00	6.21	-145
16:05	150	20.32	0.39	32.51	0.359	13.9	0.00	6.21	-142
16:20	Sample Time		**GW-082211-EAH-103**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Southland Circle
Ref. No.: 18876
Date: August 23, 2011
Personnel: David Brytowski

Monitoring Well Data:

Well No.: **RW-1**
Vapour PID (ppm): --
Measurement Point: TOC
Constructed Well Depth (ft): 11.8
Measured Well Depth (ft): -
Depth of Sediment (ft):
Saturated Screen Length (ft): 5
Depth to Pump Intake (ft)[1]:
Well Diameter, D (in): 4
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (ft): 10.81

Time	*Pumping Rate (mL/min)*	*Depth to Water (ft)*	*Drawdown from Initial Water Level [2] (ft)*	*Temperature °C*	*Conductivity (mS/cm)*	*Turbidity NTU*	*DO (mg/L)*	*pH*	*ORP (mV)*
			Precision Required:	*±3 %*	*±0.005 or 0.01 [3]*	*±10 %*	*±10 %*	*±0.1 Units*	*±10 mV*
14:05	100	10.81	0.00	37.15	0.262	223.0	1.60	6.51	-41
14:15	100	10.81	0.00	34.87	0.292	182.0	1.39	6.57	-54
14:20	100	10.81	0.00	32.87	0.302	138.0	1.40	6.59	-59
14:25	100	10.81	0.00	32.66	0.317	108.0	1.49	6.59	-57
14:30	100	10.81	0.00	32.67	0.317	91.4	1.39	6.59	-55
14:35	100	10.81	0.00	32.77	0.317	83.5	1.30	6.58	-53
14:40	100	10.81	0.00	32.87	0.316	73.1	1.23	6.58	-51
14:50	Sample Time		**GW-082311-DJB-108**						
			2 x VOAs: VOCs						
			2 x 1L ambers: PCBs						

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(3) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

APPENDIX E

SOIL MANAGEMENT PLAN INSPECTION LOG

APPENDIX E
1610 SOUTHLAND CIRCLE
Soil Management Plan Inspection Checklist

Inspection Item

1. Inspect Landscaped and/or green for any disturbance

   Note on Log – any evidence of erosion or disturbed soils

2. Inspect asphalt parking areas for deterioration and exposed sub-grade

   Note on Log – any evidence of exposed sub soils

Soil Management Plan

To be applied whenever subsurface soils are excavated or exposed in the areas designated

- excavated soils to be placed on plastic sheeting
- excavated soils and open excavations to be covered with plastic sheeting if not completed in same day; ensure open excavations are properly secured and barricaded
- excavated soil may be re-used as fill in the same excavation it came from and should be replaced in reverse order
- keep backfilled soils covered until surface is restored

APPENDIX E

1610 SOUTHLAND CIRCLE
SOIL MANAGEMENT PLAN INSPECTION LOG

Date of Inspection	Inspected By	List Any Items on Checklist Requiring Attention (See Attachment A)	Follow Up Corrective Action	
			Completed By:	Date Complete