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ENVIRONMENTAL

Ms. Carolyn Daniels, PG
Response and Remediation Program
Georgia Environmental Protection Division (EPD)
2 Martin Luther King, Jr., Drive, SE
Floyd Towers East, Suite 1462
Atlanta, GA 30334

Subject:
Voluntary Remediation Plan Application
Hercules Savannah Facility, HSI Site No. 10696
3000 Louisville Road
Savannah, Chatham Co., Georgia

Date:
April 9, 2012

Contact:
David Wilderman

Phone:
404.952.1635

Email:
david.wilderman@arcadis-us.com

Our ref:
OH005000.GA60.00003

Dear Ms. Daniels:

ARCADIS U.S., Inc. (ARCADIS), on behalf of Hercules Incorporated (Hercules), is pleased to submit the enclosed Voluntary Remediation Plan (VRP) Application for your review and approval. The enclosed document has been prepared in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101) and associated guidance documents. One paper copy and two electronic copies on compact disc are enclosed as requested in the VRP checklist.

Thank you in advance for your review of the enclosed VRP application and please contact Tim Hassett at (602) 995-3456 or me with any questions or comments that you have during your review. I look forward to receiving your approval of the investigation and remediation plan and gaining acceptance into the VRP.

Sincerely,

ARCADIS U.S., Inc.

David Wilderman, PG
Principal Hydrogeologist, Project Manager

Copies:
Mr. David Reuland, EPD
Mr. Tim Hassett, Hercules Incorporated

Imagine the result

Hercules Incorporated

Voluntary Investigation and Remediation Plan

Hercules Incorporated
3000 Louisville Road
Savannah, Georgia

April 9, 2012

Voluntary Investigation and Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION					
COMPANY NAME	HERCULES INCORPORATED				
CONTACT PERSON/TITLE	Tim Hassett				
ADDRESS	500 Hercules Rd., Wilmington, DE 19808-1599				
PHONE	(302) 995-3456	FAX	(302) 995-3485	E-MAIL	tdhassett@ashland.com

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP					
NAME	David M. Wilderman, PG			GA PE/PG NUMBER	Georgia Registration No. 978
COMPANY	ARCADIS U.S., Inc.				
ADDRESS	1000 Cobb Place Blvd., Bldg. 500-A, Kennesaw, GA 30144				
PHONE	(404) 952-1635	FAX	(770) 428-4004	E-MAIL	david.wilderman@arcadis-us.com

APPLICANT'S CERTIFICATION

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

(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

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

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

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

APPLICANT'S SIGNATURE			
APPLICANT'S NAME/TITLE (PRINT)	Tim Hassett P.E. /EH&S Remediation Project Manager	DATE	4/9/12

QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)			
HAZARDOUS SITE INVENTORY INFORMATION (if applicable)			
HSI Number	10696	Date HSI Site listed	3/22/2001
HSI Facility Name	Hercules Incorporated	NAICS CODE	325998 - All Other Miscellaneous Chemical Product Manufacturing
PROPERTY INFORMATION			
TAX PARCEL ID	2-0734-01-001	PROPERTY SIZE (ACRES)	13.3
PROPERTY ADDRESS	3000 Louisville Road		
CITY	Savannah	COUNTY	Chatham
STATE	Georgia	ZIPCODE	31415
LATITUDE (decimal format)	32 ° 5' 7" N	LONGITUDE (decimal format)	81° 9' 10" W
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Hercules Incorporated	PHONE #	800-832-6825
MAILING ADDRESS	P.O. Box 14000		
CITY	Lexington	STATE/ZIPCODE	KY 40512

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)	**Inside Binder Cover**	
2.	**WARRANTY DEED(S)** FOR QUALIFYING PROPERTY.	**Appendix A**	
3.	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).	**Appendix B**	
4.	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	**Appendix F**	
5.	The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a **PROJECTED MILESTONE SCHEDULE** for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan	**Inside binder cover. Project Milestone Schedule is Figure 17.**	

	during the preceding period. A Gantt chart format is preferred for the milestone schedule. The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary:		
5.a.	Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;	**Pending**	
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;	**Pending**	
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and	**Pending**	
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.	**Pending**	
6.	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances. Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." David Wilderman, PG Georgia#978 — 4.9.2012 Printed Name and GA PE/PG Number — Date 4/9/12 Signature and Stamp DAVID M. WILDERMAN ★ GEORGIA REGISTERED PROFESSIONAL GEOLOGIST ★ No. 978		

ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)

PROPERTY INFORMATION			
TAX PARCEL ID	2-0734-03-001	PROPERTY SIZE (ACRES)	7.8
PROPERTY ADDRESS	3000 Louisville Road		
CITY	Savannah	COUNTY	Chatham
STATE	Georgia	ZIPCODE	31415
LATITUDE (decimal format)	32 ° 5' 7" N	LONGITUDE (decimal format)	81° 9' 10" W
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Hercules Incorporated	PHONE #	302-594-5000
MAILING ADDRESS	500 Hercules Road/8145 Blazer Parkway		
CITY	Wilmington	STATE/ZIPCODE	DE 19808

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER. Check Security Watermark – Hold to light to verify watermark on back of check.

Hercules Incorporated
50 E. RiverCenter Blvd.
Covington KY 41012

64-79/611

DATE: 03/30/2012

CHECK NO. 20005328

PAY EXACTLY *

5,000 USD AND 00/100

AMOUNT

USD *********5,000.00*

VOID AFTER 180 DAYS

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GEORGIA DEPT OF NATURAL RESOURCES
STE 1152 EAST TOWER
2 MARTIN LUTHER KING JR DR
ATLANTA GA 30334-9000

BY

SunTrust Bk, ATLANTA, GA

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FILE COPY

ARCADIS

Holly English

Holly English
Staff Scientist

David Wilderman, PG
Project Manager

Voluntary Investigation and Remediation Plan

Hercules Incorporated
3000 Louisville Road
Savannah, Georgia

Prepared for:
Hercules Incorporated

Prepared by:
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Tel 770 428 9009
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Our Ref.:
OH005000.GA60

Date:
April 9, 2012

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1. Objectives and Summary of Work Scope

This Voluntary Investigation and Remediation Plan (VIRP) has been prepared to meet requirements outlined in the Georgia Voluntary Remediation Program Act (VRPA). Information and data contained in this VIRP are provided in a streamlined format and additional information, if required, can be provided to the Georgia Environmental Protection Division (EPD) upon request.

Hercules Incorporated (Hercules), a wholly owned subsidiary of Ashland Inc., owns and operates a facility in Savannah, Georgia that produces chemicals used in the paper processing industry. The Hercules facility (site) is located at 3000 Louisville Road, Savannah, Georgia. Figure 1 provides the location of the site superimposed on a topographic map of the area. The property is comprised of 14 separately deeded parcels of land (approximately 32.5 acres) bordered by railroad tracks, wetlands, and industrial and residential properties. Two of the 14 property parcels (Parcel ID 2-0734-01-001 and Parcel ID 2-0734-03-001), comprising approximately 20 acres, are currently included on the Hazardous Site Inventory (HSI) as ID No. 10696 and are considered to be the "site." Figure 2 provides an aerial view of the site, and Figure 3 illustrates the site layout and monitoring well locations. The Warranty Deed for the site is provided in Appendix A, and an illustration of the Tax Plat that shows the site, abutting properties, and tax parcel identification numbers is provided in Appendix B.

2. Site History

The property was first developed in 1922 by Paper Makers Chemical Corporation for pulp and paper chemical manufacturing and was purchased by Hercules in 1931. Historical site operations have included distillation of crude tall oil (CTO) and production of sizing, release agents, emulsifiers, coating agents, defoamers, fatty acid esters, disproportionated rosin, and polyamides. The tall oil distillation and rosin production operations have ceased and the plant currently only produces chemicals used in the paper processing industry.

Georgia EPD determined on March 9, 2001 that a release exceeding a reportable quantity had occurred at the facility based upon information provided in release notifications dated June 15, 2000 (caustic release in the Size Tank Farm Area), July 13, 2000 (asbestos and benzene in the 50s Tank Area), and August 11, 2000 (acrolein release in the Hard Resins Area), and the plant was placed on the Georgia HSI. Hercules submitted an amended release notification on March 9, 2001, documenting removal actions completed in the Hard Resins Area for acrolein-

contaminated soil and providing additional analytical data gathered during the 2001 Phase II investigation.

Various subsurface investigations have been conducted at the site since the late 1990s. Results have been reported in various documents including the Hazardous Site Response Act (HSRA) release notifications discussed above, multiple Compliance Status Report (CSR) documents submitted between 2002 and 2009, the draft 2008 Corrective Action Plan (CAP), and most recently the response to Georgia EPD comments on the March 2009 CSR Addendum No. 2 [February 2011 EPD response submittal] (ARCADIS, 2011). A comprehensive groundwater monitoring event was conducted in July 2011 as proposed in the February 2011 submittal and the results from this event are summarized in the following section.

Georgia EPD issued a letter dated December 8, 2011 in response to the February 2011 submittal that requested a number of actions including additional sampling and delineation, revisions to the calculated risk reduction standards (RRSs), and preparation of a CAP pursuant to the Georgia Hazardous Sites Response Rules. This VIRP is being submitted in lieu of the aforementioned CAP.

3. July 2011 Groundwater Monitoring Event

The groundwater data summarized in the February 2011 EPD response submittal were comprised of samples collected over a period of several years. To conduct a comprehensive evaluation of current groundwater conditions, samples were collected from all existing and accessible site monitoring wells (37 wells) during one sampling event in July 2011. Table 1 provides a summary of well construction details. Prior to sampling the monitoring wells, static water levels were measured from each well within a 24-hour period using an electronic water level probe that was decontaminated between each measurement. Following collection of water level measurements, each well was purged and sampled in accordance the U.S. Environmental Protection Agency's (USEPA's) Region 4 Science and Ecosystem Support Division's (SESD's) operating procedure document titled *Groundwater Sampling Operating Procedure* (SESDPROC-301-R1, effective November 1, 2007).

The samples were collected for analysis of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) for each well. Additional samples were collected from monitoring wells MW-F8, MW-F9, MW-13, and MW-F21 for formaldehyde analysis, and samples from wells MW-F8 and MW-F9 were also collected and analyzed for asbestos. During the July 2011 event, monitoring well

MW-F10 was not sampled as planned because it was not located and is presumed to have been destroyed during paving activities at the site. All purge water was containerized and shipped offsite for disposal following waste profiling.

Water level and analytical data collected during this event are presented in the tables and figures referenced in the following sections. To maintain brevity of this initial VIRP, the detailed purging and sampling procedures performed during the July 2011 groundwater sampling event will be included in the first Semiannual Status Update.

4. Preliminary Conceptual Site Model

4.1 Introduction

The site (Parcel ID 2-0734-01-001 and Parcel ID 2-0734-03-001) consists of approximately 20 acres located in the Coastal Plain physiographic province. Site surface water is convergent toward Dundee Canal, which flows southwest to northeast and bisects the site. The groundwater surface elevation, measured during a synoptic groundwater sampling event performed in July 2011, ranges from 2.02 feet below ground surface (bgs) to 11.09 feet bgs in wells screened in the shallow interval, and up to 33.50 feet bgs in wells screened in the deep interval (Figure 4). Surface and shallow soils consist of fine-grained, silty, clayey, sands that occur to a depth of up to 25 feet bgs. Below this interval is a bluish-green, high-plasticity clay, which serves as a semi-confining layer. Site investigations of soil and groundwater have occurred since 2000 to identify potential source areas of hazardous constituents, and to provide horizontal and vertical delineation of impacts. Groundwater impacts are delineated horizontally and vertically and impacts are confined to the site. Delineation of impacts in soil is not yet complete but impacts appear to be confined to isolated areas of the site. Low source-area concentrations and low hydraulic conductivity have resulted in minimal vertical and lateral areas of hazardous constituent impacts. Geologic cross sections have been prepared to illustrate subsurface conditions at the site and transect locations are provided on Figure 5. The cross-sectional geologic interpretations of subsurface conditions provided on Figure 6 (along the groundwater flow direction) and Figure 7 (perpendicular to site-wide groundwater flow) include historical soil and July 2011 groundwater analytical results. Figure 8 provides a graphical Conceptual Site Model (CSM) that illustrates media at the Site that may be subject to environmental impact and provide potentially complete exposure pathways to receptors.

4.2 Topography

The Hercules facility is located in the Coastal Plain physiographic province. The Coastal Plain is characterized by low topographic relief with extensive marshy tracts. Surface runoff in the Savannah area is less than 10 inches annually due to the combined effects of the flat surface topography, abundant marshy areas, and sandy soils.

The site is divided by a surface water feature, Dundee Canal, which flows from the southwest to northeast. The portion of Dundee Canal that traverses the site is entirely contained in a below-grade culvert except for a small portion of open canal near the MW-F17 and MWD-F3 area (see Figure 2). Site surface water drainage is convergent to the canal with ground surface elevations becoming lower approaching the canal. Ground surface elevations at the site range from 5.30 feet above mean sea level (amsl) in the north-central portion of the site close to Dundee Canal, to 15.66 feet amsl in the southwest portion of the site upstream and farther away from the canal.

4.3 Local and Regional Geology

Southeastern Chatham County is underlain by approximately 4,000 feet of sedimentary Coastal Plain sediments ranging in age from Holocene to Cretaceous. From land surface to a depth of approximately 500 feet, these sediments are generally unconsolidated to somewhat indurated beds of sand and clay of Recent (Holocene) age to indurated limestones of Oligocene and Eocene age. The Oligocene and Eocene limestones comprise what is commonly referred to as the Upper Floridan aquifer.

Recent sediments consist of clayey sand of Pliocene age; Post-Miocene sediments generally consist of marginal to shallow marine beds overlain by a series of sandy, marine terrace deposits that are capped by a thin layer of fluvial sand or residuum. The uppermost stratigraphic unit, the Satilla Formation, is Late Pleistocene to Holocene in age and consists of coastal marine deposits. It is a heterogeneous unit of fossiliferous, shelly sands and clays overlaying the late Pliocene Cypresshead Formation (pebbly, coarse-grained sand with some gravel, mica, shells, and localized clay beds) in some areas and the Coosawatchie Formation (sandy clay with subordinate amounts of dolomite, mica, claystone, and chert) in other areas. Satilla Formation sand is typically fine to medium grained and well sorted.

Shallow groundwater is generally encountered within the Pleistocene sands, occurring under both unconfined and confined conditions in the coastal zone. In places, a basal

Pleistocene sand, typically about 15 feet to as much as 40 feet thick, is separated from an upper fine-grained sand by a low-permeability dark-gray clay.

The soils in the area of the site are classified as Wahee Series soils by the Natural Resources Conservation Service (NRCS). These soils are characterized as poorly drained, occurring in areas with less than a 2 percent slope, and generally have low organic matter and acidic pH (4.5 to 5.0). The soil profile is comprised of a sandy loam approximately 12 inches thick underlain by approximately 4 feet of sandy loam and clay.

4.4 Local and Regional Hydrogeology

Four major water-bearing zones are present in the Savannah area: surficial zone (surficial aquifer), Upper Brunswick aquifer, Upper Floridan aquifer, and Lower Floridan aquifer. Monitoring wells installed at the site are within the surficial saturated zone. This zone typically consists of layers of clay, thin limestone beds, and sand, which yield small quantities of water.

The subsurface geology at the site consists predominantly of silt and clay and exhibits very low permeability. Elsewhere in the Savannah area, the surficial aquifer is approximately 70 feet thick with the deeper portions composed of more coarse-grained materials that yield sufficient water to wells to be utilized as the principal shallow water-bearing unit. Regionally and locally, this surficial aquifer exists mainly under unconfined conditions. However, past reports indicate that local clay lenses can cause semi-confined conditions in the aquifer.

Previous investigations at the site indicated a brown silty clay unit with minor amounts of fine-grained sand observed at most shallow soil boring locations to approximately 10 feet bgs. A fine- to medium-grained sand with 0 percent to 30 percent silt and clay was present at the 10- to 20-foot-bgs depth interval. A distinctive, bluish-green clay with abundant shell fragments was encountered approximately 20 feet bgs. This unit exhibits very low hydraulic conductivity and does not yield appreciable amounts of groundwater. Below the 20-foot-bgs horizon, alternating clayey and sandy intervals were encountered to a total depth of 100 feet bgs. The deep monitoring wells at the site are screened in this interval.

The lithologies discussed above form the surficial aquifer for the plant. Beneath the surficial aquifer are clay aquitard units. Within these latter units, the Brunswick

aquifer (125 to 150 feet bgs) can be present. The Upper Floridian aquifer is present beneath the site at approximately 240 feet bgs (Clark, 1990).

4.5 Hydraulic Conductivity

The hydraulic conductivity at the site in the shallow and deep groundwater intervals was determined in 2008 by performing rising-head slug tests in monitoring wells MWD-F1, MWD-29, MW-F3R, MW-F5, and MW-F6. The data collected during these tests were used to calculate hydraulic conductivity and the results indicated values between 0.061 feet/day and 0.497 feet/day in shallow wells, and approximately 0.0058 feet/day in deep wells (ARCADIS, 2011).

These results are generally consistent with regional values; however, after performing a review of the field data, concerns were identified in the methodology used to collect the data. Additional slug tests will be conducted on the wells outlined above and several other site wells while onsite for the first semiannual groundwater sampling event (discussed in Section 6). These data will be used to determine the revised site hydraulic conductivity values and the results will be included in the first Semiannual Status Update.

4.6 Hydraulic Gradient

The static depth to water was measured in all accessible site wells on July 19, 2011. These measurements were used to develop a potentiometric surface contour map for the shallow water unit and to calculate a hydraulic gradient. The general groundwater flow direction based on these measurements was convergent toward Dundee Canal, which is consistent with historical data. The hydraulic gradient was calculated from potentiometric surface elevations of wells located perpendicular to groundwater flow from both sides of Dundee Canal. The average hydraulic gradient is 0.005 ft/ft, which is typical of shallow aquifers in the Coastal Plain depositional environment. The hydraulic gradient was calculated to be 0.006 ft/ft on the west side of Dundee Canal based on water level measurements from MW-26 and MW-F17. On the east side of Dundee Canal, the hydraulic gradient is 0.005 ft/ft as calculated from monitoring wells MW-F9 and MW-F5. A summary of water level elevations is included as Table 2, and a potentiometric surface contour map is provided as Figure 4.

4.7 Constituents of Potential Concern

During the various subsurface investigations, regulated substances have been detected in site groundwater and soil. In addition, trace concentrations of regulated

substances have been detected in surface water and sediment samples collected from Dundee Canal downstream of the site. Historic soil, groundwater, sediment, and surface water sampling locations and current groundwater monitoring well locations are illustrated on Figure 9, and comprehensive data tables are provided as Tables 3 through 6. A list of regulated substances detected at the site along with the applicable delineation standards is included as Table 7. Finally, RRSs have been revised based on the EPD comment letter dated December 8, 2011. The RRS calculations are included as Appendix C, and Table 8 provides a summary of the calculated RRSs.

4.8 Operational Areas and Formerly Identified Potential Source Areas

As illustrated on Figure 9, the facility includes a number of current and former operational areas including:

- Hard Resins Area: This area, located within the central portion of the plant, is used for resin production. Formerly this area was also used for rosin processing but the rosins process was discontinued in 2006. This area is contained by a concrete secondary structure. A release of acrolein to groundwater was reported to have occurred in this area in the August 11, 2000 release notification.

- Former Tall Oil Plant Area: This area, located in the eastern portion of the plant, is used for CTO processing and tall oil production. This area is contained by a concrete secondary structure. The Tall Oil Plant was decommissioned/demolished in 2004.

- Former Dry Size Tank Area: This area, located west of the Resin Area, contains alkaline storage tanks. These tanks are surrounded by concrete containment structures. The Dry Size Area converted CTO and wood rosin into sodium and potassium salts to form dry size and paste size for the paper industry. A historical release of sodium hydroxide and potassium hydroxide to groundwater was reported to have occurred at this location in the June 15, 2000 release notification. The Dry Size Plant was decommissioned/demolished in 2006.

- Former Fatty Acid 50s and 60s Tank Areas: Prior to 1950, these adjoining areas were used for onsite storage of demolition debris from maintenance and construction, including rosin dross (wood rosin), pipe insulation, and siding. Tanks were removed from this area in 2006. Seven of the eight tanks were contained by a concrete secondary structure. A release of asbestos and benzene to soil and

groundwater was reported to have occurred here in the July 13, 2000 release notification.

- 30s Tank Area: This area, located in the central portion of the plant, includes aboveground storage tanks (ASTs) for the storage of manufactured product (currently Hercobond™), hydrochloric acid, and sodium hydroxide. Formerly this area was used for the storage of fatty acids. This area is contained by a concrete secondary structure.

- Former Crude Tall Oil Tank Area: This area, located within an earthen dike in the north-central portion of the plant, formerly included four ASTs, three CTO tanks, and one Pitch Unit. These tanks were removed from this area in 2004.

- Primary Oil/Water Separator: This facility is located in the northern portion of the plant. Process water from various portions of the plant and runoff from the southern portion of the plant area are treated at this separator before being discharged to the Wastewater Treatment Facility – Secondary Units.

- Electrical Substations: There are two electrical substations at the plant. The main one is located main one is located on the south side of Warehouses 1 through 3 (No.8526). A second substation is located in the vicinity of the former Tall Oil Plan (No. 8527). Both substations are non-polychlorinated-biphenyl (PCB) type. PCB-containing transformers/capacitors were historically used at substation No. 8526 and were removed and disposed of in 1990.

4.9 Migration Pathway Assessment and Potential Receptors

The Conceptual Site Exposure Model (CSEM) provides the framework of a risk assessment (RA). The CSEM is an iterative tool that is modified over the course of time as additional environmental data and risk assessment results are generated. The CSEM provides the problem definition; aids in the identification of data gaps; and assists in the identification of appropriate remedial technologies, if necessary (American Society of Testing and Materials [ASTM] E 1689-95, 2008). This CSEM was prepared in accordance with the approaches of the USEPA risk guidelines for both human health risk assessment (HHRA; USEPA 1989) and ecological risk assessment (ERA; USEPA 1997).

The contents of the documents listed in Section 2 were reviewed during preparation of this VIRP to ensure that the CSEM for the site accurately identifies the potential for

human and ecological exposures and supports the identification and selection of the appropriate investigation and remedial approach.

4.9.1 Summary of Important Site Characteristics

The site is surrounded primarily by parcels zoned for industrial, heavy industrial, and heavy commercial use; some residential properties are located northeast of the site on the east side of Dundee Canal (see Appendix B and Figure 2). The nearest recreational area is the Mary Calder golf course situated approximately 1,800 feet northeast of the site.

The site is currently occupied by the active Hercules facility, which makes chemicals used in paper manufacturing processes. Shipments of chemicals are delivered to the facility via truck and railroad car. The majority of the site is covered with buildings, concrete, asphalt, and gravel. Small portions of the site are covered with landscaping and grass. Figure 2 illustrates the layout of buildings, loading and unloading areas, ASTs, parking areas, and rail lines that exist at the facility. Access to the site is tightly controlled by 24-hour surveillance and a 6-foot-tall, barbed-wire-topped fence that encircles the operational areas of the facility. Future site use is expected to remain industrial.

The site subsurface is composed of fill underlain by silty/clayey sand, underlain by high-plasticity clay. First encountered groundwater at the site occurs at a depth of 3 to 7 feet. Groundwater in the shallow zone (i.e., upper saturated zone from ground surface to approximately 40 feet bgs) is not used for irrigation or drinking water at the site. Groundwater from deeper zones of the Floridan aquifer system, drawn from depths of more than 240 feet bgs, is pumped for production water and is also used to supply potable water for the facility. Several laterally continuous, high-plasticity clay confining layers exist between the upper saturated zone and the Floridan aquifer as shown on Figure 8. Potable water in proximity to the site is supplied by the City of Savannah Water Department.

Dundee Canal, which is a manmade structure that extends through the City of Savannah, traverses the facility and eventually discharges into the Savannah River approximately 13,000 feet northeast of the site. Onsite, Dundee Canal exists mostly below grade within a metal or concrete culvert with the exception of a short portion (approximately 30 feet in length) that is exposed on the western portion of the site as shown on Figure 2.

Hercules submitted a revised National Pollutant Discharge Elimination System (NPDES) permit renewal application for Permit Number GA0026867 to EPD on June 23, 2006 that eliminated the discharge of treated process wastewater to Outfall 002. The permit renewal application retained capacity to discharge non-contact cooling water, stormwater, water from freeze/scald protection and testing of fire protection equipment, and softener blowdown water to Outfall 001. Dundee Canal conveys stormwater from not only the Louisville Road facility, but also the surrounding heavily industrialized area.

There are several former water treatment ponds and one water storage reservoir used for fire protection on the Hercules property. The former wastewater treatment units located southwest of the two parcels that make up the site are being addressed under the direction of the Watershed Protection Division with concurrence of Georgia EPD and are scheduled to be closed in the 2012/2013 time frame.

Three environmental release notifications have been reported to EPD for this site as discussed in Section 2. The numerous historical investigation activities that have occurred since 2000 have identified other potential source areas but no specific spill events. Incidental releases may have occurred over time in these areas as evidenced by positive detections of target analytes in soil and groundwater samples collected in those areas. No historical investigation has identified elevated concentrations of inorganic constituents so metals are not addressed further in this CSEM.

The following site characterization activities are planned at the site:

- Surface and subsurface soil sampling at potential source areas that have not been characterized in historical investigations

- Surface and subsurface soil sampling to delineate positive detections of constituents of potential concern (COPCs) where concentrations or historical sample method detection limits exceed the Type 1 RRSs

- Offsite upgradient and downgradient sediment and surface water sampling in Dundee Canal to address EPD concerns as referenced in its December 8, 2011 response to comments letter

Data collected from these additional sampling efforts will be added to the database and compared to the RRSs developed and discussed in Section 4.7. Details of proposed sampling are discussed in Section 6.

4.9.1.1 Human Health Conceptual Site Exposure Model

The human health CSEM identifies the sources of potential impact and constituent fate and transport mechanisms, primary receptors, exposure points, and exposure routes. Combined, these five elements (source, transport mechanism, receptors, exposure points, and exposure routes) are used to identify exposure pathways at the site. All five elements must be present for an exposure pathway to be considered complete. This section is organized by the elements of an exposure pathway and concludes with identification of complete exposure pathways at the site.

4.9.1.1.1 Sources

Site-related constituents have been detected in soil, groundwater, sediment, and surface water at the site. The sources of these constituents may be related to releases and spills that have occurred at the site.

4.9.1.1.2 Transport Mechanisms

The mechanisms affecting the distribution and migration of constituents from the release source and their ultimate fate in the environment were identified during the development of the CSR and the associated CSR revisions and CSR addendums (see Section 2). The primary site fate and transport mechanisms identified included:

- Volatilization of constituents from soil and groundwater
- Erosion of particulate-bound constituents from soil
- Leaching from soil with infiltrating water
- Transport of constituents with water flow

4.9.1.1.3 Potential Human Receptors

As mentioned previously, zoning at the site is industrial and is expected to continue to remain as such. Further the site is fenced with controlled access. Therefore, the only onsite human receptors identified are limited to current and potential future industrial workers and excavation/construction workers. Outside of the fenced area, the only potential human receptors are recreational receptors that may come in contact with

sediment and surface water contained in Dundee Canal, provided that site-related constituents have migrated offsite.

4.9.1.1.4 Exposure Pathways

In general, a receptor may come in contact with constituents in groundwater, soil, sediment, and surface water via direct contact (incidental ingestion, dermal contact, and inhalation of particulates) or inhalation of vapors volatilizing from the subsurface. Exposure pathways for each environmental medium and the justification/rationale for further consideration are presented below. The CSEM delineating the exposure pathways is presented on Figure 10.

Groundwater

Potable water for the facility and surrounding areas is provided by the City of Savannah Water Department. Existing City of Savannah ordinance prohibits the use of private potable wells within the city limits. Therefore, no private potable wells can be installed either at, or adjacent to, the site. This ordinance, coupled with the extremely low water yield of the shallow geology, effectively eliminates the potential for developing local shallow groundwater resources for potable use.

A potable well survey was performed in March 2012 to identify registered public and private water wells that exist within a one-mile radius of the site. A summary of the survey results is provided in Appendix D. Four production wells were identified within the one-mile search radius in addition to the wells owned and operated by Hercules at the site. Data provided in the Environmental Data Resources, Inc. (EDR) report indicate that the wells identified, with the potential exception of the Roger Wood Packing well (for which well construction data were unavailable), draw water from the Floridan aquifer and are likely hydraulically separated by several confining units from any impact in the shallow saturated zone.

Potable water is obtained by the City of Savannah from the pumping of municipal wells screened in the Floridian aquifer system. No municipal public supply wells were identified with a one-mile radius of the site. No offsite groundwater withdrawal points (e.g., municipal supply wells) were identified that could potentially influence groundwater flow in the surficial aquifer at the Louisville Road facility.

The shallow groundwater table is likely tidally influenced in this area and may not be suitable for potable use based on salinity and other water quality parameters.

Consequently, the drinking water exposure pathway was not considered complete for the site.

Soil

The site is almost completely covered, therefore, direct exposure to soil (ingestion, dermal contact, and inhalation of dust) by the current industrial worker is an incomplete exposure pathway. Exposure to soil is a complete exposure pathway for the current/future onsite construction/excavation worker. Further, in the case of site redevelopment, direct exposure to soil could be a complete exposure pathway for a future industrial worker. Exposure to vapors from constituents in the vadose zone soil is a complete exposure pathway for all current and future receptors. In summary, potentially complete exposure pathways for soil include the following:

- Current Onsite Industrial Worker – inhalation of vapors from the subsurface.
- Future Onsite Industrial Worker – incidental ingestion of and dermal contact with soil, and inhalation of soil-derived particulates or vapors.
- Current/Future Onsite Construction/Excavation Worker – incidental ingestion of and dermal contact with soil, and inhalation of soil-derived particulates or vapors.

Surface Water

Dundee Canal crosses the site and exits toward the east where it eventually joins the Savannah River approximately 13,000 feet northeast of the site. Dundee Canal is a manmade structure that extends through the City of Savannah. No industrial discharge from the Hercules facility other than storm drainage and non-contact waters referenced previously in this report enters Dundee Canal, and industrial wastewater is discharged to the City of Savannah sanitary sewer system under Industrial Discharge Permit 25348-15. Onsite surface water consists of overland flow during precipitation events and surface water that flows through the underground conduit portion of Dundee Canal.

Surface water was collected from four locations within Dundee Canal (SW-F2, SW-F3, SW-F4, and SW-F5) during a Phase II investigation performed in 2000 (Table 5). These locations were approximately 200, 700, 1,200, and 3,000 feet downstream (north) of the plant outfall, respectively (see inset on Figure 9). The surface water samples were analyzed for a range of constituents including VOCs, SVOCs, metals,

pesticides, and herbicides. The results indicated that regulated substances (1-4-dioxane, ammonia, and fluoride) were present at concentrations below the in-stream water quality standards (IWQSs) and the Type 1 RRS (EPD, 2012). Figure 12 provides a graphical representation of the regulated compounds detected in surface water. The surface water laboratory analytical data is provided in Appendix E as requested by EPD in the December 8, 2011 comment letter.

As described in Section 6.6, additional surface water samples will be collected to assess current conditions and these new data will be utilized to evaluate impacts to surface water.

Onsite Sediment

The potential for exposure to constituents in onsite sediment is considered low for the industrial worker receptor under current conditions due to the remote location of the impacted areas. Landscaping activities do not occur in or adjacent to the piped sections of Dundee Canal or in areas where Dundee Canal is open-air (western portion of the facility). Therefore, exposure to onsite sediment is not considered a complete exposure pathway for onsite industrial workers. Exposure to onsite sediment is a complete exposure pathway for the construction worker receptor. In summary, the only potentially complete exposure pathway for exposure to onsite sediment is:

- Current/Future Onsite Construction/Excavation Worker: incidental ingestion of and dermal contact with sediment.

Offsite Sediment

Similar to onsite sediment, the potential for exposure to sediment in the offsite ditch and canal is low due to the infrequent use of the ditch in this area by potential receptors. The recreational value of the canal immediately upgradient and downgradient of the site is low as it is a manmade drainage feature with limited potential to support recreational activities (boating, fishing, swimming, etc.). Potentially complete exposure pathways include the following:

- Current/Future Offsite Youth Trespasser: incidental ingestion of and dermal contact with sediment and inhalation of sediment-derived particulates.

Sediment samples (SD-F2, SD-F3, SD-F4, SD-F5, and composite sample SD-F2/F3/F4/F5) were collected from four locations within Dundee Canal during a Phase II

investigation performed in 2000 (Table 6). These locations were approximately 200, 700, 1,200, and 3,000 feet downstream (north) of the plant outfall, respectively (see inset on Figure 9). The discrete samples were analyzed for a range of constituents including VOCs, SVOCs, and metals. The composite sample was analyzed for pesticides, herbicides, PCBs, and dioxans/furans. The results indicated that regulated substances (acetone, benzo(a)pyrene and bis(2-ethylhexyl)phthalate) were present in sediment at concentrations below calculated RRSs. Additionally, trace concentrations of several dioxins and furans were detected in the composite sample but none exceeded RRSs. Figure 11 provides a graphical representation of the regulated compounds detected in sediment. The sediment laboratory analytical data are provided in Appendix E as requested by EPD in the December 8, 2011 comment letter. Note that the laboratory report also includes data for Dundee Canal berm soil samples (SD-F6, SD-F7, SD-F8, and SD-F6/F7/F8) collected during the same 2000 event.

As described in Section 6.6, sediment samples will be collected to assess current conditions and these new data will be utilized to evaluate impacts to sediment.

4.9.1.2 Ecological Conceptual Site Exposure Model

The site is developed with structures and parking lots, and soil is almost completely covered; therefore, no suitable onsite ecological habitat was identified at the site. Dundee Canal and wetlands in the offsite area may provide suitable ecological habitat and could be a source of exposure to site-related constituents if they should be present in surface water or sediment. Exposure to offsite ecological receptors associated with Dundee Canal will be evaluated via a screening-level ecological risk assessment (SLERA) as requested by Georgia EPD in the December 8, 2011 response letter.

5. Delineation Status – Groundwater and Soil

The comprehensive dataset was compared to the Type 1 RRS to evaluate the need for additional delineation of regulated substances. The following is a list of regulated (or soon to be regulated) substances detected at concentrations above the Type 1 RRS:

Groundwater	Soil
Benzene	Acrolein
Bis(2-ethylhexyl)phthalate	1,1'- Biphenyl
Naphthalene	Aniline

5.1 Groundwater

Data from groundwater samples collected in July 2011 (as well as historical data for select constituents as described below) were compared to the Type 1 RRS to evaluate whether delineation was complete. Laboratory analytical reports for the July 2011 event are included in Appendix E. During the July 2011 sampling event, benzene, naphthalene, and bis(2-ethylhexyl)phthalate were detected at concentrations greater than the Type 1 RRS. These detections were confined to monitoring well MW-F21, which is screened in the shallow aquifer. Nearby deep well MWD-30 had no detections of any analyzed VOCs or SVOCs.

Regulated substances endrin aldehyde, ammonia, and fluoride were the only historically detected regulated compounds not analyzed in July 2011, therefore, the maximum historical concentrations for each of these analytes was compared to the Type 1 RRS as part of the contaminant evaluation. Samples for analysis of asbestos fibers were collected from wells MW-F8 and MW-F9, and the results showed less than 0.2 million fibers per liter (MFL). However, the historical maximum of 6.7 MFL was utilized for the comparison to Type 1 RRSs because this historical result is associated with temporary well location TMW-5, which could not be re-sampled for comparison. Figures 13a through 13f provide a graphical representation of contaminant distribution of these COPCs in the shallow and deep aquifers.

5.2 Soil

All detections of regulated compounds in the historical soil dataset (1998 to 2008) were compared to the Type 1 RRSs to evaluate whether additional delineation in soil will be required (Table 7). Figures 14a through 14c provide a graphical representation of the

contaminant distribution of these COPCs in soil. Based on the historical dataset, concentrations of acrolein, 1-1'-biphenyl, and aniline are present in soil at concentrations greater than the Type 1 RRS and the Type 4 RRS.

Trace concentrations of acrolein (0.11 mg/kg and 0.13 mg/kg, respectively) were detected at one sample location (Confirmation_Sample at [0–3 ft bgs] and [3-6 ft bgs]). As documented in the February 2011 EPD response submittal, these detections could not be substantiated with field notes or laboratory data and were likely reported in error; however, in the December 2011 response letter EPD requested that soil samples be collected in this area for confirmation of current conditions. Additionally, analytical results for a number of "non-detect" historical soil sample locations across the site had reporting limits above the Type 1 RRS for acrolein.

Similarly, aniline was detected at one sample location at concentrations above the Type 1 RRS (SB-F3 [0-2 ft bgs] at 3.3 mg/kg). Analytical results for a number of "non-detect" historical soil sample locations across the site had reporting limits above the Type 1 RRS for aniline.

Finally, 1-1' biphenyl was detected at seven historical sample locations at concentrations above the Type 1 RRS, with the highest concentration being reported at EX-19 (700 mg/kg) from the 0-2 ft bgs interval near the Former Dowtherm Unit No. 2028. Additionally, results for a number of "non-detect" historical soil sample locations across the site had reporting limits above the Type 1 RRS for 1-1' biphenyl.

6. Investigation Plan

This section provides a summary of actions that are proposed to address regulated substance delineation data gaps and collect the information needed to evaluate site risk and hazard to potentially-exposed present and potential future receptors.

6.1 Confirmatory Groundwater Sampling

No additional delineation of regulated substances in groundwater is required. As discussed previously, the detections of bis(2-ethylhexyl)phthalate in groundwater are believed to be erroneous and will be confirmed during planned field activities. Groundwater samples will be collected from all wells with positive detections of bis(2-ethylhexyl)phthalate (see Figures 13e and 13f).

6.2 Slug Testing

Slug tests will be conducted on selected wells in the shallow and deeper portions of the upper aquifer during the first semiannual sampling event to verify previously reported site hydraulic conductivity values. A total of 10 wells will be selected for slug testing to allow evaluation of variability between wells screened in similar saturated zones. Results will be included in the first Semiannual Status Update.

6.3 Confirmation Sampling at Composite Sample Locations

In its October 25, 2010 response letter to the 2009 CSR Addendum No. 2, Georgia EPD indicated that several historical soil samples collected within the Hard Resin, CTO Plant, CTO Release, Fatty Acid AST (30s tanks), and 50s and 60s Tank (landfill) areas were collected using a composite sampling methodology. These samples were collected during a Phase II investigation conducted in 2000 and during sampling in 2000 associated with planned soil removal during plant upgrades in the 50s and 60s Tank (landfill) Area. Since composite soil samples are not acceptable for demonstrating the extent of regulated substances in soil, additional grab soil samples will be collected at the former sample locations listed below and analyzed as indicated to confirm current soil conditions at said locations. Samples will be collected in 2-foot intervals from land surface to the water table as follows:

- Pesticides, Dioxins, and Furans: SB-F3, SB-F4, SB-F6, SB-F12, SB-F14, SB-F15, and SB-F27

- PCBs: SB-F12 and SB-14

The results of these soil samples will be evaluated to assess completeness of delineation and to determine whether remediation will be needed to demonstrate compliance with site-specific RRSs. As described in the February 2011 response to Georgia EPD comments submittal, additional grab soil sampling for VOCs and SVOCs will not be completed for the aforementioned sample locations in the 50s and 60s Tank Area due to accessibility issues (these areas are covered by concrete containment pads). In lieu of additional sampling in this area, Hercules will likely propose Type 5 RRSs for the area.

6.4 Additional Delineation of Detected Regulated Substances

Additional delineation of the following regulated substances in soil will be performed to identify the extent of concentrations exceeding the Type 1 RRSs:

- Acrolein
- Aniline
- 1,1-Biphenyl

EPD stated in its October 25, 2010 response letter that Hercules did not excavate soils to a depth of 3 feet bgs in the Fatty Acid 50s Tank Area (primarily tanks TO-50 through TO-53; *aka* former landfill area) prior to construction of the existing concrete containment dike as initially planned and referenced in the June 2000 release notification submitted for the site. Therefore, potential asbestos-containing material (ACM) identified during June 2000 site improvement activities remains buried beneath the concrete pad constructed in the Former Fatty Acid 50s Tank Area. As stated in response to Comment 4 of the comment letter (February 2011 EPD response submittal), due to accessibility issues (these areas are covered by concrete containment pads), Hercules will assume that ACMs remain buried beneath the concrete caps located within the former landfill area and will propose Type 5 RRSs for ACMs in soil. Implementation of a monitoring and maintenance program and a Uniform Environmental Covenant will be proposed.

6.5 Investigation of Additional Potential Source Areas

As outlined in the December 2011 response letter, the following additional potential source areas were identified by EPD based on a review of the “October 28, 1998 Plot Plan and October 23, 2000 Phase II Environmental Site Sampling Map.” Hercules will confirm whether these areas have been previously investigated and will conduct additional sampling as needed to identify the presence or absence of applicable regulated substances in soil. These potential source areas are illustrated on Figure 15. Hercules does not believe that any additional potential sources of regulated substances exist within the current boundaries of the site (Tax Parcels 2-0734-01-001 and 2-0734-03-001).

- Current and Former Shop Buildings: This source area includes a shop building formerly located in the contractor yard (Austin Shop) on Parcel 2-0734-03-001, and

the current plant maintenance shop (Building 8106) and adjacent gasoline storage area on Parcel 2-0734-01-001 near the northern site property line. Soil samples will be collected in these areas and analyzed for the presence or absence of regulated VOCs and SVOCs.

- Current and Former Quality Control Laboratories: Soil samples will be collected and analyzed for SVOCs, VOCs, and formaldehyde, at a minimum, at all current and former quality control laboratories and their storage areas. The above-referenced plot map indicates the existence of said areas on Parcel 2-0734-01-001 as follows: 1) a laboratory (Building 8102) and laboratory annex northwest of the former Dry Size Building, 2) an air compressor and laboratory storage area in Building 8502 immediately west of the former Dry Size Building, and 3) and ink laboratory west/southwest of the former Tall Oil ASTs/Release Area.

- Additional Potential Dowtherm Oil Storage/Handling Areas: The referenced plot map indicates that Dowtherm oil may have potentially been stored and/or used in the following areas in addition to those areas noted in ARCADIS' responses to comments: 1) inside the Pilot Plant (Building 2014) where an "open egg" label is shown, 2) an area or structure immediately east of the referenced building where "Dowtherm" is written on the plot, and 3) an area labeled "Dowtherm Drum" east of the main site office building (Building 8100) and west of the Tall Oil Release Area. Soil samples will be collected in the referenced area and analyzed for the presence of SVOCs, VOCs, and PCBs at a minimum.

- Historical Benzene Storage Areas: The referenced Phase II Environmental Site Assessment (ESA) figure indicates that benzene has been historically stored at an AST location, labeled K-22, and near ASTs labeled H-107 and H-103 on the plot map. These areas will be investigated for the presence of benzene in soil.

- Historical Formaldehyde Storage Area: Six former ASTs are shown located northwest of production/drinking water well #1 and immediately south of the former Tall Oil Plant. The above-referenced Phase II ESA map indicates that two ASTs, the westernmost AST near boring GP-2 and the second or third AST east of it, formerly stored formaldehyde. Soil samples will be collected from these specific locations, since the ASTs are no longer present, and analyzed for the presence of formaldehyde.

Additionally, EPD requested investigation of the following areas based on the current and/or former use of dielectric fluids and Dowtherm/heat transfer oils (Figure 16):

- Electrical Substations (Current and Former) and Former Locations of PCB-Containing Capacitors: The presence or absence of PCBs in soil will be assessed at all of the locations where equipment containing dielectric fluids have historically been stored or used.
  - Two electrical substations (8526 [Western] and 8527 [Eastern]) are currently in use at the facility. One electrical substation was formerly located near the Contractor Yard.
  - PCB-containing transformers/capacitors were historically used at substation 8526 and samples will be collected in this area to assess the presence of PCBs.
- Defoamer Dowtherm Vaporizer Unit 2024: Soil surrounding the unit will be sampled and analyzed for PCBs, SVOCs, and VOCs to determine the presence or absence of constituents of Dowtherm/heat transfer oils (including 1,1'-biphenyl).
- Former Dowtherm Unit (Dowtherm Heat Transfer Unit- DHTU) 2051 and Soil Boring/Sample Locations Labeled SS-62 and "Confirmation_Sample" (a known heat transfer release area): At a minimum, grab soil samples will be collected beneath the former location of DHTU 2051, at former soil sample location SS-62. Access issues have reportedly prevented direct sampling in the area where the soil sample referred to as "Confirmation Sample" was collected (where an unsubstantiated concentration of acrolein equal to the reporting limit was reported in 2000 as documented in the February 2011 response to EPD comments on the 2009 CSR Addendum No. 2), therefore, additional sampling may not be feasible in this area. However, an additional attempt will be made to access the confirmed release area for sampling.
- DHTU 2028, CTO Plant, CTO Release Area (Tanks TO-1 through TO-3): As documented by EPD in the October 2010 response letter, said area is considered to be a potential source area for PCBs as several heat transfer oil constituents (specifically several polyaromatic hydrocarbons [PAHs], 1,1'-biphenyl, diphenyl ether, etc.) were detected at elevated concentrations in soil samples collected during an investigation conducted by S&ME in July 2007. Therefore, additional soil samples will be collected at the location of DHTU 2028 (S&ME sample location EX-19) and S&ME sample locations GP-6 and GP-8 for PCBs, SVOCs, and VOCs.
- Former Dry Size Area ("DS" series soil boring/sample locations): As documented by EPD in the October 2010 response letter, this area must be investigated as a

potential source area for PCBs because several heat transfer oil constituents were detected at elevated concentrations at several of the "DS"-series soil samples at or near the Dry Size Area. Therefore, soil samples will be collected at boring/sample location DS-9 and boring/sample locations DS-13 and DS-17 for PCB analysis.

6.6 Sediment and Surface Water Sampling

In order to assess current conditions within the Dundee Canal, surface water and sediment samples will be collected upgradient, within, and downgradient of the site. Surface water samples will be analyzed for VOCs, SVOCs, ammonia, and fluoride (based on the results of previously detected regulated substances). Sediment samples will be analyzed for VOCs, SVOCs, and dioxins/furans (based on the results of previously detected regulated substances).

6.6.1 Risk Assessment Approach

Upon the completion of site characterization, both a HHRA and an ERA will be conducted. Prior to conducting the RAs, the CSEM will be reviewed and revised if necessary based on the results of planned site characterization activities.

6.6.1.1 Data Evaluation

Upon completion of the planned final site characterization activities, site data will be evaluated and an RA dataset will be developed. Only data that are representative of current site conditions will be used in the RA. Site concentrations will be based on exposure point concentration (EPCs). The EPC is the representative concentration of a constituent in an environmental medium that is potentially contacted by the receptor (USEPA 1989). The EPC is defined as "the arithmetic average of the concentration that is contacted over the exposure period" (USEPA 1989). Consistent with USEPA methodology, the lower of the maximum concentration and the upper confidence limit on the mean (UCL) will be identified as the EPC (USEPA 1989, 2002). The UCL is a statistical number calculated to represent the mean concentration with a high percentage of confidence that the true arithmetic mean concentration for a site will be less than the UCL. The high level of confidence (e.g., 95 percent) is used to compensate for the uncertainty involved in representing site conditions with a finite number of samples. The most current version of USEPA's ProUCL software - version 4.1 (USEPA 2011a) will be used to calculate UCLs when sufficient data are available (a minimum of five detections and eight samples).

6.6.1.2 Human Health Risk Assessment Approach

A HHRA will be conducted consistent with GAEPD and USEPA risk assessment guidance (USEPA 1989). The purpose of the HHRA will be to evaluate potential exposures and risks to site related constituents detected in the soil, groundwater, surface water, and sediments at the site. For the direct contact pathways, risk will be evaluated by comparing site concentrations to the appropriate risk based screening levels. Risk from inhalation of vapors in indoor air will be evaluated based on the latest recommendations by USEPA (USEPA 2012).

A screening HHRA was conducted as part of this CSEM. The purpose of the screening HHRA was to define the scope of the HHRA and identify any data gaps. The first step in the screening HHRA was to identify COPCs for each medium at the site. COPCs are expected to contribute the majority of potential exposure and risk, consistent with USEPA (1989) guidance. COPC identification constitutes a conservative, risk-based screening evaluation. Under USEPA (1989) guidelines, COPCs can be identified based on criteria such as frequency of detection, toxicity, comparison with background concentrations, or whether a chemical can be considered a common laboratory contaminant. COPCs for direct contact with soil and sediment were identified based on a comparison with Type 3 Risk Reduction Standards (Type 3 RRS) for an industrial scenario; while surface water COPCs were identified based on comparison to GA In-stream Water Quality Standards (IWQS).

When soil concentrations (surface and subsurface to evaluate the potential for soil redistribution) were compared to Type 3 RRS, only two constituents (1,1'-biphenyl and acrolein) were present at maximum concentrations in soil that exceeded the RRS. 1,1-biphenyl was detected in 9 samples out of a total of 93 samples at a maximum concentration of 700 mg/kg. While the maximum concentration of 1,1-biphenyl exceeds the Type 3 RRS (93 mg/g), the exposure point concentration (EPC) of 21.5 mg/kg was below Type 3 RRS, therefore 1,1-biphenyl was not identified as a COPC. Acrolein was detected in 2 out of 75 samples (0.11 and 0.13 mg/kg) and both were above the type 3 RRS (0.065 mg/kg). An EPC could not be calculated for acrolein because of the low frequency of detection. Despite the low frequency of detection, acrolein was retained as a COPC because many of the detection limits for the non-detect samples were higher than the Type 3 RRS, therefore, the presence of acrolein will be delineated further.

To evaluate direct contact with soil pathways, surface soil data (0 to 2 feet) and vadose zone data will be used. The evaluation of exposure to surface soil data will be conducted to evaluate a future scenario in which the site is redeveloped (without soil redistribution) and portions are left uncovered. An evaluation of exposure to vadose zone soil will be conducted to determine the risk to the construction worker and also the future industrial worker if redevelopment involves soil redistribution and again portions of the site are left uncovered.

Risk from inhalation of vapors in indoor air will be evaluated using USEPA spreadsheets that calculate risk based on indoor air concentration predicted using the Johnson and Ettinger vapor intrusion model (USEPA 2004b) per the User's Guide (USEPA 2004a). The USEPA spreadsheets, which were built to evaluate a home-bound resident only, will be adjusted for an industrial scenario. Further, toxicity values and chemical/physical parameters will be based on the latest available USEPA recommended values (USEPA 2011b) in accordance with Georgia EPD recommendations.

If the risk estimates exceed Georgia EPD and USEPA acceptable risk levels, appropriate risk management alternatives (e.g., remedial measures and/or institutional controls) will be proposed.

6.6.1.3 Ecological Risk Assessment Approach

A SLERA for Dundee Canal downstream of the site will be conducted in response to agency request. The SLERA will be conducted according to methods outlined by Georgia EPD in the guidelines for a CSR under HSRA. The methods recommended by EPD are consistent with USEPA Ecological Risk Assessment Guidance (USEPA 1997). The objective of the SLERA is to evaluate whether ecological receptors may be adversely affected by exposure to constituents detected in surface water and sediment samples collected from Dundee Canal downstream and to the northeast of the site.

The SLERA will evaluate the potential risk to aquatic ecological receptors exposed to detected constituents identified in proposed surface water and sediment samples discussed in Section 6.6. The SLERA will also consider the proposed/planned samples to be collected in Dundee Canal upstream of the site. The habitat will be evaluated through a review of aerial maps and well-documented ground-level photographs provided by the ARCADIS project team. A desktop review of the potential presence of threatened and endangered species in the area will be conducted by searching the Georgia Department of Natural Resources database (GADNR 2012) and the U.S. Fish and Wildlife database (USFW 2012).

Consistent with USEPA (1997) guidance, the SLERA for Dundee Canal will be comprised of the following steps:

- Screening-Level Problem Formation
- Screening-Level Ecological Effects Evaluation
- Screening-Level Exposure Estimate and Risk Calculation
- Refined Exposure Estimate and Risk Calculation (hazard quotients and food chain modeling calculations for representative feeding guild receptors if necessary)
- Scientific Management Decision Point, Uncertainties, and Recommendations

Ecological effect screening levels (ESLs) will be identified from the Georgia In-stream standard (EPD 2012), or from USEPA Region IV or Region V guidance (USEPA 2001; 2003). When ESLs are not available from those sources, ESLs will be located from other acceptable sources (e.g., the Oak Ridge National Laboratory) and the open literature or be estimated based on USEPA methods (USEPA 2008; 2009).

6.7 Groundwater Modeling

Groundwater modeling will be completed to demonstrate compliance with site-specific cleanup standards at the downgradient point of exposure in accordance with Section 12-8-108 of the VRPA. An analytical solute transport model with sequential first-order decay (BIOCHLOR v2.2) will be used to simulate in-situ biotransformation and predict the maximum extent of dissolved-phase plume migration. The constituents subject to the model include benzene and naphthalene. This model using a sequential first-order decay process will be completed following the submittal of this VIRP and will be included in the first Semiannual Status Update.

6.8 Vapor Intrusion

Due to the presence of VOCs in soil and groundwater at the site, volatile constituents have the potential to migrate from the subsurface into indoor air of site buildings. A vapor intrusion pathway risk evaluation will be completed following the submittal of this VIRP to assess the potential exposure of site workers to constituents migrating from the subsurface into indoor air and thus establishing a point of exposure. Results of this assessment will be provided in the first Semiannual Status Update.

7. Initial Remediation Plan

7.1 Institutional Controls

7.1.1 Groundwater

Once delineation of COCs and the exposure pathways evaluation is complete, institution controls will be developed and utilized at the site to mitigate risk and hazards from completed exposure pathways. A Uniform Environmental Covenant will be prepared and a deed notice will be placed on the site to include the following:

- Direct use or extraction of groundwater from anywhere onsite will be prohibited.
- The removal, destruction, or alteration of the concrete floor in the site buildings in such a way as to make any of the underlying impacted soil accessible will be prohibited, unless such controls are replaced in a manner so as to constitute a functionally equivalent engineering control.
- Excavation, construction, utility installation or maintenance, and similar land disturbing activities in soil below the water table will be prohibited in the areas where groundwater is impacted, unless such work is performed by informed and properly trained contractors such that human exposure to potentially hazardous materials does not occur.
- Residential use on the ground level of any existing or future buildings onsite will be prohibited.
- All improvements located in whole or in part on any portion of the subject property must comply with the institutional controls.

7.1.2 Soil

As discussed in Section 6.4, due to restricted access in the vicinity of the Former Fatty Acid 50s Tank Area, Hercules will mitigate risk associated with ACM located beneath the concrete caps located within the former landfill area using Type 5 RRSs for ACM in soil. Implementation of a monitoring and maintenance program and a Uniform Environmental Covenant will be proposed. Following the delineation efforts discussed previously in this section, Hercules will evaluate any remedial action required for other regulated compounds in soils.

Once the aforementioned soil delineation investigation has been completed, remediation for any soils existing above the calculated RRS (Table 8 and Appendix C) will be proposed.

7.2 Semiannual Groundwater Monitoring

To monitor groundwater impacts and to ensure that no exposure pathways develop, groundwater sampling will be conducted semiannually until compliance with final cleanup standards is demonstrated for a period of two years or as to be determined by the director of the VRPA and to be agreed upon by Hercules. Semiannual monitoring will consist of the collection of water-level measurements from 37 onsite wells and the collection of groundwater samples from the following 7 monitoring wells: MW-F21, MW-F3R, MW-F5, MW-F7, MW-27, MW-29, and MWD-30. These groundwater samples will be analyzed for VOCs by USEPA Method 8260B and SVOCs by USEPA Method 8270C.

7.3 Completion of the VIRP

If at the end of two years of semiannual groundwater sampling no exposure pathways exist and proper engineering and institutional controls are in place, the corrective action portion of the VIRP will be considered complete for the site. Upon completion of the corrective action, a CSR will be prepared by Hercules confirming the consistency of the corrective action with the provisions, purposes, standards, and policies of the VIRP. Within 90 days of the director's written concurrence of the CSR, the director shall remove the property from the Hazardous Site Inventory.

8. Cost Estimate

An initial cost estimate for elements of the work proposed under this VIRP is provided in Table 9. Costs for any future out of scope investigative activities at the site are not included in the preliminary estimate.

9. Schedule

A project schedule for work elements outlined in this VIRP is provided on Figure 17. The actual date for the start of work outlined in this schedule will depend on the receipt date of EPD VIRP approval, and the schedule may either advance or extend based upon that date.

10. Reporting

Semiannual status reports will be submitted to the director to provide updates of the progress and implementation of the VIRP throughout the program. The semiannual status reports may include an updated CSM if warranted by site data. Additionally, the projected milestone schedule will be updated to show progress on VIRP objectives.

A CSR Update will be prepared for submittal to EPD following the conclusion of data collection and interpretation activities outlined in this VIRP. The CSR will confirm the completion of the corrective action specified in the VIRP and certify compliance of the site with the applicable cleanup standards.

11. References

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Tables

Table 1
Well Construction
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Well Id	Install Date	Total Depth (btoc)[1]	Approximate Total Depth (bgs)[2]	Casing Length (bgs)	Screen Interval (bgs)		Well Completion	Site Area	Installer	Ground Elevation (Historical)	Top of Casing Elevation (Historical)	Ground Elevation (2011)	Top of Casing Elevation (2011)	Well Diameter	Construction Material
Shallow Monitoring Wells															
MWA*	--	--	10.4	--	--	10.4	--	Resin Areas	--	--	--	--	--	--	--
MWB*	--	--	10.2	--	--	10.2	--	Resin Areas	--	--	--	--	--	--	--
MWC*	--	--	10.2	--	--	10.2	--	Resin Areas	--	--	--	--	--	--	--
MWD*	--	--	8.8	--	--	8.8	--	Resin Areas	--	--	--	--	--	--	--
MW-F1	10/19/2000	22.58	20	10	10	20	Stick-up	Resin Areas	AGM	8.1	10.62	7.13	9.55	2	PVC
MW-F2	10/24/2000	11.82	10	5	5	10	--	Resin Areas	AGM	8.89	8.58	7.70	7.51	2	PVC
MW-F3*	10/19/2000	--	20	10	10	20	--	Resin Areas	AGM	10	9.94	--	--	2	PVC
MW-F3R	11/6/2008	22.90	20	10	10	20	Stick-up	Resin Areas	WPC	9.36	13.63	8.32	12.53	2	PVC
MW-F4*	10/18/2000	--	20	10	10	20	--	Resin Areas	AGM	9.6	12.09	--	--	2	PVC
MW-F5	10/18/2000	22.26	20	10	10	20	Stick-up	Resin Areas	AGM	10.01	12.62	9.07	11.49	2	PVC
MW-F6	10/19/2000	19.73	20	10	10	20	Flush mount	Resin Areas	AGM	10.01	10.03	8.97	8.59	2	PVC
MW-F7	10/18/2000	23.14	20	10	10	20	Stick-up	Resin Areas	AGM	11.59	14.03	10.70	13.23	2	PVC
MW-F8	10/20/2000	20.60	20	10	10	20	Stick-up	Resin Areas	AGM	12.25	12.5	11.22	12.59	2	PVC
MW-F9	10/17/2000	NM	20	10	10	20	--	Resin Areas	AGM	13	12.84	12.00	11.78	2	PVC
MW-F10*	10/17/2000	NM	20	10	10	20	--	Resin Areas	AGM	10.56	10.5	--	--	2	PVC
MW-F11	10/18/2000	19.66	20	10	10	20	Flush mount	Resin Areas	AGM	9.83	9.3	8.80	8.58	2	PVC
MW-F12	10/18/2000	20.47	20	10	10	20	Flush mount	Resin Areas	AGM	10.54	10.1	9.47	9.34	2	PVC
MW-F13	10/17/2000	23.32	20	10	10	20	Stick-up	Resin Areas	AGM	16.34	19.46	15.66	18.47	2	PVC
MW-F14	10/16/2000	22.52	20	10	10	20	Stick-up	Resin Areas	AGM	6.93	9.33	6.05	8.38	2	PVC
MW-F15	10/19/2000	19.98	20	10	10	20	Flush mount	Resin Areas	AGM	10.61	10.7	9.87	9.79	2	PVC
MW-F16	10/16/2000	22.42	20	10	10	20	Stick-up	Resin Areas	AGM	6.83	9.46	6.03	8.51	2	PVC
MW-F17	10/17/2000	22.83	20	10	10	20	Stick-up	Resin Areas	AGM	9.59	12.34	8.93	11.36	2	PVC
MW-F19	10/16/2000	22.84	20	10	10	20	Stick-up	Resin Areas	AGM	8.6	11.46	7.68	10.47	2	PVC
MW-F20*	10/23/2000	--	13	3	3	13	--	Resin Areas	AGM	10.07	9.89	--	--	2	PVC
MW-F21	10/23/2000	23.33	20	10	10	20	Stick-up	Resin Areas	AGM	11.11	13.54	9.96	12.46	2	PVC
MW-22	10/29/2002	21.39	20	10	10	20	Stick-up	Shallow Background Well	MACTEC	8.69	7.8	7.36	10.06	2	PVC
MW-23	10/28/2002	23.41	20	10	10	20	Stick-up	Resin Areas	MACTEC	7.31	9.64	7.08	9.4	2	PVC
MW-24	10/28/2002	22.95	20	10	10	20	Stick-up	Resin Areas	MACTEC	8.02	10.52	7.71	10.23	2	PVC
MW-25	10/29/2002	21.34	20	10	10	20	Stick-up	Shallow Background Well	MACTEC	10.99	13.17	10.32	12.72	2	PVC
MW-26	10/30/2002	24.01	20	10	10	20	Stick-up	Size Tank Farm	MACTEC	13.4	15.98	13.69	15.69	2	PVC
MW-27	12/17/2002	19.99	20	10	10	20	Flush mount	Resin Areas	MACTEC	11.39	10.52	10.36	10.23	2	PVC
MW-28	12/17/2002	24.54	20	10	10	20	Stick-up	Shallow Background Well	MACTEC	7.909	10.801	7.60	10.5	2	PVC
MW-29	11/6/2008	22.50	20	10	10	20	Stick-up	Resin Areas	WPC	10.65	13.85	9.58	12.8	2	PVC
MW-32	11/18/2008	21.98	20	10	10	20	Stick-up	Shallow Background Well	WPC	5.72	7.9	5.30	7.05	2	PVC

Table 1
Well Construction
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Well Id	Install Date	Total Depth (btoc)[1]	Approximate Total Depth (bgs)[2]	Casing Length (bgs)	Screen Interval (bgs)		Well Completion	Site Area	Installer	Ground Elevation (Historical)	Top of Casing Elevation (Historical)	Ground Elevation (2011)	Top of Casing Elevation (2011)	Well Diameter	Construction Material
Deep Monitoring Wells															
MWD-22	10/29/2002	42.61	50	40	40	50	Stick-up	Resin Areas	MACTEC	7.8	10.15	7.71	10.05	2	PVC
MWD-23	11/1/2002	48.98	50	40	40	50	Stick-up	Resin Areas	MACTEC	7.13	9.46	6.83	9.27	2	PVC
MWD-24	10/29/2002	47.43	50	40	40	50	Stick-up	Deep Background Well	MACTEC	8.05	10.6	7.67	10.34	2	PVC
MWD-25	10/30/2002	48.07	50	40	40	50	Stick-up	Deep Background Well	MACTEC	10.89	8.11	10.26	12.58	2	PVC
MWD-27	12/17/2002	45.02	50	40	40	50	Flush mount	Resin Areas	MACTEC		10.404	10.25	10.09	2	PVC
MWD-28	12/17/2002	49.05	50	40	40	50	Stick-up	Deep Background Well	MACTEC	8.217	11.089	7.27	10.66	2	PVC
MWD-29	11/10/2008	51.10	50	40	40	50	Stick-up	Resin Areas	WPC	10.65	14.59	9.51	13.56	2	PVC
MWD-30	11/11/2008	52.78	50	40	40	50	Stick-up	Resin Areas	WPC	11.11	14.48	10.06	13.41	2	PVC
MWD-F1	10/17/2000	103.30	100	80	80	100	Stick-up	Resin Areas	AGM	7.99	10.39	6.92	9.25	2	PVC
MWD-F2	10/17/2000	103.25	100	80	80	100	Stick-up	Resin Areas	AGM	8.7	11.5	7.80	10.52	2	PVC
MWD-F3	10/18/2000	90.22	87	67	67	87	Stick-up	Resin Areas	AGM	9.58	12.21	8.77	11.23	2	PVC
Temporary Wells															
Well-1	1/7/1998	--	19	--	--	19	--	Size Tank Farm	Ferguson-Harbour	--	--			--	--
Well-2	1/7/1998	--	17	--	--	17	--	Size Tank Farm	Ferguson-Harbour	--	--			--	--
Well-3	1/7/1998	--	17	--	--	17	--	Size Tank Farm	Ferguson-Harbour	--	--			--	--
TMW-5	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-6	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-7	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-10	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-11	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-12	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-13	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-14	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-15	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-16	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
TMW-17	6/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--			--	--
Onsite Production Wells															
Well 1 (12")	~1955	--	1000	270	open borehole		--	--	--	--	--			12	--
Well 2 (10")	~1950	--	750	250	open borehole		--	--	--	--	--			10	--
Well 3 (8")	Before January 1956	--	--	--	--	--	--	--	--	--	--			8	--

-- Unknown or not applicable
MWA*–= Abandoned Well; MW-F10 was destroyed
[1] - Total depth below top of casing (btoc) measured on January 26, 2011. Wells MW-F2, MW-F9, and MW-F10 could not be located. Water level tape not long enough to measure total depth btoc of MWD-F2 and MWD-F3.
[2] - Total depth below ground surface for wells with riser aboveground is approximated based on limited well construction/boring log information. The length of aboveground risers will be measured during next field event for confirmation of total depth bgs.
[3] - The riser length is approximated based on historical survey data. The length of aboveground risers will be measured during the next field event.

Table 2
Groundwater Elevation Data
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Well ID	Date of Measurement	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Depth to Water (ft BTOC)	GW Elevation (ft amsl)	Depth to Water Table (ft bgs)
MWA	10/23/2000	NM	NM	5.71	NM	NM
MWB	10/23/2000	NM	NM	5.06	NM	NM
MWC	10/23/2000	NM	NM	5.53	NM	NM
MWD	10/23/2000	NM	NM	7.00	NM	NM
MW-F1	10/23/2000	8.10	10.62	4.94	5.68	2.42
MW-F1	11/1/2000	8.10	10.62	4.98	5.64	2.46
MW-F1	6/30/2004	8.10	10.62	4.35	6.27	1.83
MW-F1	1/26/2011	8.10	10.62	4.14	6.48	1.62
MW-F1	7/21/2011	7.13	9.55	4.39	5.16	1.97
MW-F2	11/1/2000	8.89	8.58	5.62	2.96	5.93
MW-F2	6/30/2004	8.89	8.58	5.55	3.03	5.86
MW-F2	11/19/2008	8.89	8.58	5.46	3.12	5.77
MW-F2	1/26/2011	8.89	8.58	NM	NM	NM
MW-F2	7/21/2011	7.70	7.51	5.46	2.05	5.65
MW-F3	10/23/2000	10.00	9.94	2.51	7.43	2.57
MW-F3	11/1/2000	10.00	9.94	2.53	7.41	2.59
MW-F3	7/3/2004	10.00	9.94	1.42	8.52	1.48
MW-F3	8/16/2006	10.00	9.94	2.04	7.90	2.10
MW-F3R	11/19/2008	9.36	13.63	6.76	6.87	2.49
MW-F3R	1/26/2011	9.36	13.63	6.60	7.03	2.33
MW-F3R	7/21/2011	8.32	12.53	6.80	5.73	2.59
MW-F4	10/23/2000	9.60	12.09	5.99	6.10	3.50
MW-F4	11/1/2000	9.60	12.09	6.04	6.05	3.55
MW-F5	10/23/2000	10.01	12.62	6.47	6.15	3.86
MW-F5	11/1/2000	10.01	12.62	6.61	6.01	4.00
MW-F5	7/2/2004	10.01	12.62	6.00	6.62	3.39
MW-F5	8/16/2006	10.01	12.62	6.36	6.26	3.75
MW-F5	7/30/2008	10.01	12.62	5.73	6.89	3.12
MW-F5	11/19/2008	10.01	12.62	5.79	6.83	3.18
MW-F5	1/26/2011	10.01	12.62	5.61	7.01	3.00
MW-F5	7/21/2011	9.07	11.49	5.59	5.90	3.17
MW-F6	10/23/2000	10.10	10.03	3.89	6.14	3.96
MW-F6	11/1/2000	10.10	10.03	3.99	6.04	4.06
MW-F6	7/2/2004	10.10	10.03	3.40	6.63	3.47
MW-F6	1/26/2011	10.10	10.03	2.79	7.24	2.86
MW-F6	7/21/2011	8.97	8.59	2.91	5.68	3.29
MW-F7	10/23/2000	11.59	14.03	6.18	7.85	3.74
MW-F7	11/1/2000	11.59	14.03	6.29	7.74	3.85
MW-F7	8/16/2006	11.59	14.03	6.00	8.03	3.56
MW-F7	7/30/2008	11.59	14.03	5.58	8.45	3.14
MW-F7	11/19/2008	11.59	14.03	4.76	9.27	2.32
MW-F7	1/26/2011	11.59	14.03	4.65	9.38	2.21
MW-F7	7/21/2011	10.70	13.23	5.16	8.07	2.63
MW-F8	10/23/2000	12.25	12.50	4.78	7.72	4.53
MW-F8	11/1/2000	12.25	12.50	5.06	7.44	4.81
MW-F8	1/26/2011	12.25	12.50	4.21	8.29	3.96
MW-F8	7/21/2011	11.22	12.59	4.63	7.96	3.26
MW-F9	10/23/2000	13.00	12.84	4.72	8.12	4.88
MW-F9	11/1/2000	13.00	12.84	4.85	7.99	5.01
MW-F9	1/26/2011	13.00	12.84	NM	NM	NM
MW-F9	7/21/2011	12.00	11.78	3.64	8.14	3.86
MW-F10	10/23/2000	10.56	10.50	4.32	6.18	4.38
MW-F10	11/1/2000	10.56	10.50	4.39	6.11	4.45
MW-F10	1/26/2011	10.56	10.50	NM	NM	NM
MW-F11	10/23/2000	9.83	9.30	3.19	6.11	3.72
MW-F11	11/1/2000	9.83	9.30	3.23	6.07	3.76
MW-F11	1/26/2011	9.83	9.30	2.32	6.98	2.85

Table 2
Groundwater Elevation Data
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Well ID	Date of Measurement	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Depth to Water (ft BTOC)	GW Elevation (ft amsl)	Depth to Water Table (ft bgs)
MW-F11	7/21/2011	8.80	8.58	2.22	6.36	2.44
MW-F12	10/23/2000	10.54	10.10	4.40	5.70	4.84
MW-F12	11/1/2000	10.54	10.10	4.16	5.94	4.60
MW-F12	7/3/2004	10.54	10.10	2.98	7.12	3.42
MW-F12	1/26/2011	10.54	10.10	3.67	6.43	4.11
MW-F12	7/21/2011	9.47	9.34	3.15	6.19	3.28
MW-F13	10/23/2000	16.34	19.46	10.35	9.11	7.23
MW-F13	11/1/2000	16.34	19.46	10.82	8.64	7.70
MW-F13	7/1/2004	16.34	19.46	12.45	7.01	9.33
MW-F13	1/26/2011	16.34	19.46	10.30	9.16	7.18
MW-F13	7/21/2011	15.66	18.47	11.09	7.38	8.28
MW-F14	10/23/2000	6.93	9.33	4.80	4.53	2.40
MW-F14	11/1/2000	6.93	9.33	4.72	4.61	2.32
MW-F14	7/1/2004	6.93	9.33	4.20	5.13	1.80
MW-F14	8/16/2006	6.93	9.33	4.56	4.77	2.16
MW-F14	1/26/2011	6.93	9.33	2.51	6.82	0.11
MW-F14	7/21/2011	6.05	8.38	2.91	5.47	0.58
MW-F15	10/23/2000	10.61	10.70	4.94	5.76	4.85
MW-F15	11/1/2000	10.61	10.70	5.11	5.59	5.02
MW-F15	1/26/2011	10.61	10.70	4.38	6.32	4.29
MW-F15	7/21/2011	9.87	9.79	4.43	5.36	4.51
MW-F16	10/23/2000	6.83	9.46	4.17	5.29	1.54
MW-F16	11/1/2000	6.83	9.46	4.50	4.96	1.87
MW-F16	7/1/2004	6.83	9.46	3.15	6.31	0.52
MW-F16	1/26/2011	6.83	9.46	2.19	7.27	-0.44
MW-F16	7/21/2011	6.03	8.51	2.73	5.78	0.25
MW-F17	10/23/2000	9.59	12.34	6.45	5.89	3.70
MW-F17	11/1/2000	9.59	12.34	6.54	5.80	3.79
MW-F17	1/26/2011	9.59	12.34	5.46	6.88	2.71
MW-F17	7/21/2011	8.93	11.36	5.68	5.68	3.25
MW-F19	10/23/2000	8.60	11.46	5.17	6.29	2.31
MW-F19	11/1/2000	8.60	11.46	5.50	5.96	2.64
MW-F19	6/30/2004	8.60	11.46	4.59	6.87	1.73
MW-F19	1/26/2011	8.60	11.46	4.61	6.85	1.75
MW-F19	7/21/2011	7.68	10.47	4.75	5.72	1.96
MW-F20	11/1/2000	10.07	9.89	3.90	5.99	4.08
MW-F20	8/17/2006	10.07	9.89	3.71	6.18	3.89
MW-F20	1/26/2011	10.07	9.89	NM	NM	NM
MW-F21	11/1/2000	11.11	13.54	7.02	6.52	4.59
MW-F21	8/16/2006	11.11	13.54	6.27	7.27	3.84
MW-F21	7/30/2008	11.11	13.54	5.94	7.60	3.51
MW-F21	11/19/2008	11.11	13.54	5.67	7.87	3.24
MW-F21	1/26/2011	11.11	13.54	5.77	7.77	3.34
MW-F21	7/21/2011	9.96	12.46	5.68	6.78	3.18
MW-22	7/1/2004	8.69	7.80	3.15	4.65	4.04
MW-22	1/26/2011	8.69	7.80	2.24	5.56	3.13
MW-22	7/21/2011	7.36	10.06	2.90	7.16	0.20
MW-23	7/1/2004	7.31	9.64	6.30	3.34	3.97
MW-23	1/26/2011	7.31	9.64	5.70	3.94	3.37
MW-23	7/21/2011	7.08	9.40	6.12	3.28	3.80
MW-24	6/30/2004	8.02	10.52	4.80	5.72	2.30
MW-24	1/26/2011	8.02	10.52	4.62	5.90	2.12
MW-24	7/21/2011	7.71	10.23	4.85	5.38	2.33
MW-25	7/1/2004	10.99	13.17	7.10	6.07	4.92
MW-25	1/26/2011	10.99	13.17	5.76	7.41	3.58
MW-25	7/21/2011	10.32	12.72	6.63	6.09	4.23

Table 2
Groundwater Elevation Data
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Well ID	Date of Measurement	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	Depth to Water (ft BTOC)	GW Elevation (ft amsl)	Depth to Water Table (ft bgs)
MW-26	1/26/2011	13.40	15.98	7.81	8.17	5.23
MW-26	7/21/2011	13.69	15.69	7.73	7.96	5.73
MW-27	8/16/2006	11.39	10.52	2.85	7.67	3.72
MW-27	11/19/2008	11.39	10.52	1.58	8.94	2.45
MW-27	1/26/2011	11.39	10.52	1.41	9.11	2.28
MW-27	7/21/2011	10.36	10.23	2.02	8.21	2.15
MW-28	1/26/2011	7.90	10.80	6.15	4.65	3.25
MW-28	7/21/2011	7.60	10.50	6.96	3.54	4.06
MW-29	11/19/2008	10.65	13.85	4.22	9.63	1.02
MW-29	1/26/2011	10.65	13.85	4.38	9.47	1.18
MW-29	7/21/2011	9.58	12.80	4.77	8.03	1.55
MW-32	11/19/2008	5.72	7.90	2.87	5.03	0.69
MW-32	1/26/2011	5.72	7.90	2.55	5.35	0.37
MW-32	7/21/2011	5.30	7.05	3.19	3.86	1.44
MWD-F1	10/23/2000	7.99	10.39	49.58	-39.19	47.18
MWD-F1	11/1/2000	7.99	10.39	41.98	-31.59	39.58
MWD-F1	6/30/2004	7.99	10.39	36.06	-25.67	33.66
MWD-F1	1/26/2011	7.99	10.39	33.00	-22.61	30.60
MWD-F1	7/21/2011	6.92	9.25	33.50	-24.25	31.17
MWD-F2	10/23/2000	8.70	11.50	33.09	-21.59	30.29
MWD-F2	11/1/2000	8.70	11.50	28.30	-16.80	25.50
MWD-F2	6/30/2004	8.70	11.50	25.19	-13.69	22.39
MWD-F2	1/26/2011	8.70	11.50	23.40	-11.90	20.60
MWD-F2	7/21/2011	7.80	10.52	23.00	-12.48	20.28
MWD-F3	10/23/2000	9.58	12.21	23.78	-11.57	21.15
MWD-F3	11/1/2000	9.58	12.21	21.87	-9.66	19.24
MWD-F3	1/26/2011	9.58	12.21	18.65	-6.44	16.02
MWD-F3	7/21/2011	8.77	11.23	18.55	-7.32	16.09
MWD-22	7/1/2004	7.80	10.15	3.43	6.72	1.08
MWD-22	1/26/2011	7.80	10.15	2.56	7.59	0.21
MWD-22	7/21/2011	7.71	10.05	3.26	6.79	0.92
MWD-23	6/30/2004	7.13	9.46	7.10	2.36	4.77
MWD-23	1/26/2011	7.13	9.46	6.60	2.86	4.27
MWD-23	7/21/2011	6.83	9.27	7.04	2.23	4.60
MWD-24	1/26/2011	8.05	10.60	4.47	6.13	1.92
MWD-24	7/21/2011	7.67	10.34	4.69	5.65	2.02
MWD-25	7/1/2004	10.89	8.11	6.05	2.06	8.83
MWD-25	1/26/2011	10.89	8.11	5.44	2.67	8.22
MWD-25	7/21/2011	10.26	12.58	5.64	6.94	3.32
MWD-27	8/16/2006	NM	10.40	3.74	6.66	NM
MWD-27	1/26/2011	NM	10.40	2.55	7.85	NM
MWD-27	7/21/2011	10.25	10.09	3.00	7.09	3.16
MWD-28	7/1/2004	8.22	11.09	6.60	4.49	3.73
MWD-28	1/26/2011	8.22	11.09	5.15	5.94	2.28
MWD-28	7/21/2011	7.27	10.66	5.54	5.12	2.15
MWD-29	11/19/2008	10.65	14.59	6.48	8.11	2.54
MWD-29	1/26/2011	10.65	14.59	6.22	8.37	2.28
MWD-29	7/21/2011	9.51	13.56	6.72	6.84	2.67
MWD-30	11/19/2008	11.11	14.48	7.75	6.73	4.38
MWD-30	1/26/2011	11.11	14.48	7.85	6.63	4.48
MWD-30	7/21/2011	10.06	13.41	8.11	5.30	4.76

Note: On July 19, 2011 MW-F10 could not be located for measurement of water level

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	1,1-Biphenyl	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,7,8,9-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	1,2,3,7,8-Pentachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	2,3,4,6,7,8-Hexachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzo-p-dioxin
				CAS	92-52-4	67562-39-4	35822-46-9	55673-89-7	70648-26-9	39227-28-6	57117-44-9	57653-85-7	72918-21-9	19408-74-3	57117-41-6	40321-76-4	60851-34-5	57117-31-4	51207-31-9	1746-01-6
				Method	SW8270C	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280
Location ID	SampleID	Depth	Sample Date	Sample Type	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
50-CC Com	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-EC Com	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-NC Com	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-NE Com	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-SC Com	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-SE Com	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-NW Com	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-SW Com	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-WC Com	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hard Resins	HARD RESINS_6/5/00_(1-3)GRAB_NM	1 - 3	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hard Resins	HARD RESINS_6/5/00_(4-6)GRAB_NM	4 - 6	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F1	SB-F1_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	1.3	0.00000785 J	0.000101 J	0.0000005 J	0.000000567 J	0.0000134 J	0.000000469 J	0.000000712 J	0.000000129 J	0.00000675 J	0.000000165 J	0.000000893 J	0.000000588 J	0.000000628 J	0.00000113 J	0.000000142 J
SB-F3	SB-F3_10/24/00_(0-2)GRAB_NM	0 - 2	10/24/2000	N	< 4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F4	SB-F4_10/19/00_(0.5-2)GRAB_NM	0.5 - 2	10/19/2000	N	< 0.77 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F6	SB-F6_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.77 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F6/F4/F	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMPOSITE	0.5 - 3	10/20/2000	N	NA	0.00000685 J	0.0000754 J	0.000000537 J	0.000000721 J	0.00000379 J	0.000000602 J	0.000000935 J	0.000000208 J	0.00000298 J	0.000000238 J	< 0.000000262 UJ	0.000000833 J	0.00000112 J	0.000000659 J	0.000000118 J
SB-F12	SB-F12_10/20/00_(1-3)GRAB_NM	1 - 3	10/20/2000	N	< 0.72 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-F12/F13	SD-F12/F13/F14/F15_10/26/00_(0-0.5)COMPOSITE	0 - 0.5	10/26/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F14	SB-F14_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.78 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F14/F12	SB-F14/F12_10/20/00_(1-3)COMPOSITE	1 - 3	10/20/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F14/F12	SB-F14/F12/F3_10/19/00_(0-3)COMPOSITE	0 - 3	10/19/2000	N	NA	0.0000301	0.0000853	0.0000013	0.00000172	0.00000377	0.00000146	0.00000111	0.000000466	0.00000238	0.000000538	0.000000743	0.00000208	0.00000225	0.00000145	0.000000203
SB-F15	SB-F15_10/18/00_(0-3)GRAB_NM	0 - 3	10/18/2000	N	< 0.74 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F19	SB-F19_10/17/00_(0-3)GRAB_NM	0 - 3	10/17/2000	N	< 0.78 U	0.00000321 J	0.0000399 J	0.000000284 J	0.000000433 J	0.00000168 J	0.000000265 J	< 0.00000082 UJ	0.00000012 J	0.00000115 J	0.000000154 J	< 0.000000262 UJ	0.000000297 J	0.000000388 J	0.000000618 J	0.000000106 J
SB-F27	SB-F27_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.75 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Confirmatio	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	0 - 3	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Confirmatio	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	3 - 6	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F3A	SB-F3A_11/8/02_(0-1)GRAB_NM	0 - 1	11/8/2002	N	< 0.78 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-1	SS-1_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-2	SS-2_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-3	SS-3_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-4	SS-4_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-30	SS-30_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.86 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-31	SS-31_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.89 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-32	SS-32_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.82 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-33	SS-33_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-34	SS-34_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-35	SS-35_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.84 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-43	SS-43_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.75 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-43	SS-43_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-44	SS-44_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-44	SS-44_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-45	SS-45_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.74 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-45	SS-45_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-46	SS-46_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-46	SS-46_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.74 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-47	SS-47_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.75 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-47	SS-47_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-48	SS-48_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.77 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-48	SS-48_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-49	SS-49_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-49	SS-49_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-50	SS-50_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.84 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-50	SS-50_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-51	SS-51_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-51	SS-51_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-52	SS-52_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.78 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-52	SS-52_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-53	SS-53_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.72 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-54	SS-54_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.75 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-55	SS-55_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-55	SS-55_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-56	SS-56_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.72 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-57	SS-57_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.78 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-58	SS-58_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.77 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-59	SS-59_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.89 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-60	SS-60_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.85 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-61	SS-61_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.75 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-61	SS-61_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-62	SS-62_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.78 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-63	SS-63_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F3RE	SB-F3RE_12/19/02_(0-2)GRAB_NM	0 - 2	12/19/2002	N	< 0.78 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-74	SS-74_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-74	SS-74_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	1,1-Biphenyl	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,7,8,9-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	1,2,3,7,8-Pentachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	2,3,4,6,7,8-Hexachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzo-p-dioxin
				CAS	92-52-4	67562-39-4	35822-46-9	55673-89-7	70648-26-9	39227-28-6	57117-44-9	57653-85-7	72918-21-9	19408-74-3	57117-41-6	40321-76-4	60851-34-5	57117-31-4	51207-31-9	1746-01-6
				Method	SW8270C	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280
Location ID	SampleID	Depth	Sample Date	Sample Type	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SS-75	SS-75_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-75	SS-75_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 1_8/15/06_(0-2)GRAB_DUP	0 - 2	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 2_8/15/06_(2-4)GRAB_DUP	2 - 4	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 A_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 B_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-80	SS-80_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-82	SS-82_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-83	SS-83_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-84	SS-84_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-85	SS-85_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-86	SS-86_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-87	SS-87_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-88	SS-88_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-89	SS-89_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-90	SS-90_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-93	SS-93_11/6/08_(0-4)GRAB_NM	0 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	DUP-2_11/6/08_(0-2)GRAB_DUP	0 - 2	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	SS-94_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-95	SS-95_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-96	SS-96_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-97	DUP-4_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-97	SS-97_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-98	DUP-3_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-98	SB-98_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-98	SB-98_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-99	SB-99_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-99	SB-99_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-100	DUP-1_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-100	SB-100_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-100	SB-100_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-101	SB-101_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-101	SB-101_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-102	SB-102_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-102	SB-102_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-103	SB-103_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-103	SB-103_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-103	SB-103_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-105	SB-105_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-105	SB-105_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-107	SB-107_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-107	SB-107_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-107	SB-107_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-108	SS-108_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-1	DS-1_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.35 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-1	DS-1_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.35 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-2	DS-2_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-2	DS-2_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-3	DS-3_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.9 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-3	DS-3_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 3.8 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-4	DS-4_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-4	DS-4_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-5	DS-5_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.021 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-5	DS-5_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 1.9 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-6	DS-6_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.64 JD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-6	DS-6_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 4.1 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-7	DS-7_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-7	DS-7_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-8	DS-8_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.7 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-9	DS-9_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.45 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-9	DS-9_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	9 D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-10	DS-10_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.055 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-10	DS-10_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-11	DS-11_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-11	DS-11_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-12	DS-12_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-12	DS-12_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	1,1-Biphenyl	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	1,2,3,7,8,9-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	1,2,3,7,8-Pentachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	2,3,4,6,7,8-Hexachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzofuran	2,3,7,8-Tetrachlorodibenzo-p-dioxin
				CAS	92-52-4	67562-39-4	35822-46-9	55673-89-7	70648-26-9	39227-28-6	57117-44-9	57653-85-7	72918-21-9	19408-74-3	57117-41-6	40321-76-4	60851-34-5	57117-31-4	51207-31-9	1746-01-6
				Method	SW8270C	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280	SW8280
Location ID	SampleID	Depth	Sample Date	Sample Type	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DS-13	DS-13_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.7 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-13	DS-13_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.8 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-14	DS-14_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-14	DS-14_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4.1 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-15	DS-15_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-15	DS-15_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-16	DS-16_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.7 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-16	DS-16_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-17	DS-17_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 2 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-17	DS-17_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.9 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-18	DS-18_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 1.9 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-18	DS-18_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-18	DUP-5_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	< 2 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-2	GP-2 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-5	GP-5 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-6	GP-6 0-2FT(07262007)	0 - 2	7/26/2007	N	< 7.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-7	GP-7 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-8	GP-8 0-2FT(07262007)	0 - 2	7/26/2007	N	< 490 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-10	GP-10 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-11	GP-11 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-13	GP-13 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-14	GP-14 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-15	GP-15 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-16	GP-16 0-2FT(07272007)	0 - 2	7/27/2007	N	< 1.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GP-18	GP-18 0-2FT(07272007)	0 - 2	7/27/2007	N	< 0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-19	EX-19 0-2(07272007)	0 - 2	7/27/2007	N	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-21	EX-21 0-2(07272007)	0 - 2	7/27/2007	N	6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-22	EX-22 0-2(07272007)	0 - 2	7/27/2007	N	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-23	EX-23 0-2(07272007)	0 - 2	7/27/2007	N	< 0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-26	EX-26 0-2(07272007)	0 - 2	7/27/2007	N	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-27	EX-27 0-2(07272007)	0 - 2	7/27/2007	N	< 2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-27	DUP-1(07272007)	0 - 2	7/27/2007	FD	< 1.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	2-Butanone	2-Methyl-1-Propanol	4-Methyl-2-Pentanone	4,4-DDT	Acenaphthene	Acenaphthylene	Acetone	Acetonitrile	Acrolein	Aniline	Anthracene	Aroclor 1254	Aroclor 1260	Asbestos	Benzene	Benzo(a)Anthracene
				CAS	78-93-3	78-83-1	108-10-1	50-29-3	83-32-9	208-96-8	67-64-1	75-05-8	107-02-8	62-53-3	120-12-7	11097-69-1	11096-82-5	1332-21-4	71-43-2	56-55-3
				Method	SW8260	SW8260B	SW8260B	8081	SW8270C	SW8270C	SW8260B	SW8260B	SW8260B	SW8270C	SW8270C	SW8082	SW8082	EPA 600/R-93-116	SW8260B	SW8270C
Location ID	SampleID	Depth	Sample Date	Sample Type		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg
50-CC Composite	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	< 0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02 U	NA
50-EC Composite	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	< 0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.032	NA
50-NC Composite	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.11	NA
50-NE Composite	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0067 U	NA
50-SC Composite	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.082	NA
50-SE Composite	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013	NA
50-NW Composite	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0082 U	NA
50-SW Composite	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	NA
50-WC Composite	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	< 0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02 U	NA
Hard Resins	HARD RESINS_6/5/00_(1-3)GRAB_NM	1 - 3	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11 U	NA	NA	NA	NA	NA	NA	NA
Hard Resins	HARD RESINS_6/5/00_(4-6)GRAB_NM	4 - 6	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.13 U	NA	NA	NA	NA	NA	NA	NA
SB-F1	SB-F1_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	0.035	< 0.23 U	< 0.029 U	< 0.0038 U	< 0.37 U	< 0.37 U	0.44	< 0.23 U	< 0.12 U	< 0.37 U	< 0.37 U	< 0.038 U	< 0.038 U	NA	< 0.0058 U	< 0.37 U
SB-F3	SB-F3_10/24/00_(0-2)GRAB_NM	0 - 2	10/24/2000	N	< 1.2 U	< 49 U	< 1.2 U	NA	< 2 U	< 2 U	4.1	< 9.9 U	< 4.9 U	3.3	< 2 U	NA	NA	NA	< 0.25 U	< 2 U
SB-F4	SB-F4_10/19/00_(0.5-2)GRAB_NM	0.5 - 2	10/19/2000	N	< 0.026 U	< 0.21 U	< 0.026 U	NA	< 0.38 U	< 0.38 U	0.28	< 0.21 U	< 0.1 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.0053 U	< 0.38 U
SB-F6	SB-F6_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	0.037	< 0.23 U	< 0.029 U	NA	< 0.38 U	< 0.38 U	0.24	< 0.23 U	< 0.12 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.0058 U	< 0.38 U
SB-F6/F4/F15/F27	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	0.5 - 3	10/20/2000	N	NA	NA	NA	0.0078 J	NA	NA	NA	NA	NA	NA	NA	0.043 J	< 0.038 U	NA	NA	NA
SB-F12	SB-F12_10/20/00_(1-3)GRAB_NM	1 - 3	10/20/2000	N	< 0.028 U	< 0.23 U	< 0.028 U	NA	< 0.36 U	< 0.36 U	< 0.057 U	< 0.23 U	< 0.11 U	< 0.36 U	< 0.36 U	NA	NA	NA	< 0.0057 U	< 0.36 U
SD-F12/F13/F14/F15	SD-F12/F13/F14/F15_10/26/00_(0-0.5)COMP	0 - 0.5	10/26/2000	N	NA	NA	NA	< 0.013 U	NA	NA	NA	NA	NA	NA	NA	< 0.13 U	< 0.13 U	NA	NA	NA
SB-F14	SB-F14_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.031 U	< 0.25 U	< 0.031 U	NA	< 0.39 U	< 0.39 U	< 0.093 U	< 0.25 U	< 0.12 U	< 0.39 U	< 0.39 U	NA	NA	NA	< 0.0062 U	< 0.39 U
SB-F14/F12	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	1 - 3	10/20/2000	N	NA	NA	NA	< 0.0035 U	NA	NA	NA	NA	NA	NA	NA	0.054	< 0.035 U	NA	NA	NA
SB-F14/F12/F3	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	0 - 3	10/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F15	SB-F15_10/18/00_(0-3)GRAB_NM	0 - 3	10/18/2000	N	< 0.029 U	< 0.23 U	< 0.029 U	NA	< 0.37 U	< 0.37 U	0.22	< 0.23 U	< 0.11 U	< 0.37 U	< 0.37 U	NA	NA	NA	< 0.0057 U	< 0.37 U
SB-F19	SB-F19_10/17/00_(0-3)GRAB_NM	0 - 3	10/17/2000	N	< 0.026 U	< 0.21 U	< 0.026 U	< 0.0039 U	< 0.39 U	< 0.39 U	< 0.052 U	< 0.21 U	< 0.1 U	< 0.39 U	< 0.39 U	< 0.039 U	< 0.039 U	NA	< 0.0052 U	< 0.39 U
SB-F27	SB-F27_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.028 U	< 0.22 U	< 0.028 U	NA	< 0.38 U	< 0.38 U	< 0.056 U	< 0.22 U	< 0.11 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.0056 U	< 0.38 U
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	0 - 3	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.11	NA	NA	NA	NA	NA	NA	NA
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	3 - 6	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.13	NA	NA	NA	NA	NA	NA	NA
SB-F3A	SB-F3A_11/8/02_(0-1)GRAB_NM	0 - 1	11/8/2002	N	< 0.035 U	NA	NA	NA	NA	NA	< 0.07 U	NA	NA	< 0.39 U	NA	NA	NA	NA	< 0.007 U	NA
SS-1	SS-1_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.029 U	< 0.24 U	< 0.029 U	NA	< 0.39 U	< 0.39 U	< 0.059 U	< 0.24 U	< 0.12 U	< 0.39 U	< 0.39 U	NA	NA	NA	< 0.0059 U	< 0.39 U
SS-2	SS-2_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.028 U	< 0.23 U	< 0.028 U	NA	< 0.38 U	< 0.38 U	0.065	< 0.23 U	< 0.11 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.0057 U	< 0.38 U
SS-3	SS-3_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.028 U	< 0.22 U	< 0.028 U	NA	< 0.37 U	< 0.37 U	0.16	< 0.22 U	< 0.11 U	< 0.37 U	< 0.37 U	NA	NA	NA	< 0.0056 U	< 0.37 U
SS-4	SS-4_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.03 U	< 0.24 U	NA	NA	< 0.4 U	< 0.4 U	0.072	< 0.24 U	< 0.12 U	< 0.4 U	< 0.4 U	NA	NA	NA	< 0.006 U	< 0.4 U
SS-30	SS-30_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.034 U	NA	NA	NA	NA	NA	0.19	NA	NA	< 0.43 U	NA	NA	NA	NA	< 0.0068 U	NA
SS-31	SS-31_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	0.049	NA	NA	NA	NA	NA	0.14	NA	NA	< 0.44 U	NA	NA	NA	NA	< 0.0064 U	NA
SS-32	SS-32_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	0.029	NA	NA	NA	NA	NA	0.28	NA	NA	< 0.41 U	NA	NA	NA	NA	< 0.0056 U	NA
SS-33	SS-33_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.033 U	NA	NA	NA	NA	NA	< 0.065 U	NA	NA	< 0.4 U	NA	NA	NA	NA	< 0.0065 U	NA
SS-34	SS-34_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.034 U	NA	NA	NA	NA	NA	< 0.068 U	NA	NA	< 0.4 U	NA	NA	NA	NA	< 0.0068 U	NA
SS-35	SS-35_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	0.034	NA	NA	NA	NA	NA	0.35	NA	NA	< 0.42 U	NA	NA	NA	NA	< 0.0067 U	NA
SS-43	SS-43_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	NA
SS-43	SS-43_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.028 U	NA	NA	NA	NA	NA	< 0.057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA
SS-44	SS-44_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	NA
SS-44	SS-44_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.029 U	NA	NA	NA	NA	NA	< 0.057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA
SS-45	SS-45_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA	NA	NA	NA
SS-45	SS-45_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.028 U	NA	NA	NA	NA	NA	0.12	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	NA
SS-46	SS-46_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA	NA	NA	NA
SS-46	SS-46_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.028 U	NA	NA	NA	NA	NA	< 0.056 U	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	NA
SS-47	SS-47_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	NA
SS-47	SS-47_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.028 U	NA	NA	NA	NA	NA	0.12	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA
SS-48	SS-48_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	NA
SS-48	SS-48_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.029 U	NA	NA	NA	NA	NA	0.055	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	NA
SS-49	SS-49_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4 U	NA	NA	NA	NA	NA	NA
SS-49	SS-49_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.03 U	NA	NA	NA	NA	NA	< 0.06 U	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	NA
SS-50	SS-50_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42 U	NA	NA	NA	NA	NA	NA
SS-50	SS-50_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.032 U	NA	NA	NA	NA	NA	< 0.063 U	NA	NA	NA	NA	NA	NA	NA	< 0.0063 U	NA
SS-51	SS-51_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	NA
SS-51	SS-51_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.029 U	NA	NA	NA	NA	NA	0.061	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA
SS-52	SS-52_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	NA	NA	NA	NA
SS-52	SS-52_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.03 U	NA	NA	NA	NA	NA	0.14	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	NA
SS-53	SS-53_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.027 U	NA	NA	NA	NA	NA	0.08	NA	NA	< 0.36 U	NA	NA	NA	NA	< 0.0055 U	NA
SS-54	SS-54_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.028 U	NA	NA	NA	NA	NA	< 0.057 U	NA	NA	< 0.38 U	NA	NA	NA	NA	< 0.0057 U	NA
SS-55	SS-55_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	NA
SS-55	SS-55_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	0.051	NA	NA	NA	NA	NA	1	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA
SS-56	SS-56_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.027 U	NA	NA	NA	NA	NA	< 0.055 U	NA	NA	< 0.36 U	NA	NA	NA	NA	< 0.0055 U	NA
SS-57	SS-57_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.029 U	NA	NA	NA	NA	NA	< 0.059 U	NA	NA	< 0.39 U	NA	NA	NA	NA	< 0.0059 U	NA
SS-58	SS-58_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.029 U	NA	NA	NA	NA	NA	0.45	NA	NA	< 0.38 U	NA	NA	NA	NA	< 0.0058 U	NA
SS-59	SS-59_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.034 U	NA	NA	NA	NA	NA	0.11	NA	NA	< 0.44 U	NA	NA	NA	NA	< 0.0068 U	NA
SS-60	SS-60_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.032 U	NA	NA	NA	NA	NA	0.086	NA	NA	< 0.42 U	NA	NA	NA	NA	< 0.0064 U	NA
SS-61	SS-61_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	NA
SS-61	SS-61_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	< 0.028 U	NA	NA	NA	NA	NA	0.067	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA
SS-62	SS-62_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.029 U	NA	NA	NA	NA	NA	< 0.059 U	NA	NA	< 0.39 U	NA	NA	NA	NA	< 0.0059 U	NA
SS-63	SS-63_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.029 U	NA	NA	NA	NA	NA	0.074	NA	NA	< 0.38 U	NA	NA	NA	NA	< 0.0057 U	NA
SB-F3RE	SB-F3RE_12/19/02_(0-2)GRAB_NM	0 - 2	12/19/2002	N	< 0.03 U	NA	NA	NA	NA	NA	0.068	NA	NA	< 0.39 U	NA	NA	NA	NA	< 0.006 U	NA
SS-74	SS-74_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-74	SS-74_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	2-Butanone	2-Methyl-1-Propanol	4-Methyl-2-Pentanone	4,4-DDT	Acenaphthene	Acenaphthylene	Acetone	Acetonitrile	Acrolein	Aniline	Anthracene	Aroclor 1254	Aroclor 1260	Asbestos	Benzene	Benzo(a)Anthracene
				CAS	78-93-3	78-83-1	108-10-1	50-29-3	83-32-9	208-96-8	67-64-1	75-05-8	107-02-8	62-53-3	120-12-7	11097-69-1	11096-82-5	1332-21-4	71-43-2	56-55-3
				Method	SW8260	SW8260B	SW8260B	8081	SW8270C	SW8270C	SW8260B	SW8260B	SW8260B	SW8270C	SW8270C	SW8082	SW8082	EPA 600/R-93-116	SW8260B	SW8270C
Location ID	SampleID	Depth	Sample Date	Sample Type		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg
SS-75	SS-75_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-75	SS-75_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 1_8/15/06_(0-2)GRAB_DUP	0 - 2	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 2_8/15/06_(2-4)GRAB_DUP	2 - 4	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 A_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 B_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-80	SS-80_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	< 0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA
SS-82	SS-82_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-83	SS-83_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-84	SS-84_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-85	SS-85_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-86	SS-86_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	0.0061 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-87	SS-87_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	< 0.036 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-88	SS-88_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78	0.25	NA	NA	NA
SS-89	SS-89_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-90	SS-90_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	< 0.0036 U	NA	NA	NA	NA	NA	NA	NA	0.055	< 0.036 U	NA	NA	NA
SS-93	SS-93_11/6/08_(0-4)GRAB_NM	0 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.092 U	NA	NA	NA	NA	NA	NA	NA
SS-94	DUP-2_11/6/08_(0-2)GRAB_DUP	0 - 2	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	< 0.078 U	NA	NA	NA	NA	NA	NA	NA
SS-94	SS-94_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.095 U	NA	NA	NA	NA	NA	NA	NA
SS-95	SS-95_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	< 0.022 U	NA	NA	< 0.0038 U	NA	NA	NA	NA	NA	NA	NA	0.18	0.094	NA	< 0.0043 U	NA
SS-96	SS-96_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	< 0.023 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0046 U	NA
SS-97	DUP-4_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0046 U	NA
SS-97	SS-97_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0047 U	NA
SB-98	DUP-3_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0043 U	NA
SB-98	SB-98_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0048 U	NA
SB-98	SB-98_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	NA
SB-99	SB-99_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.96 UD	NA
SB-99	SB-99_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.097 JD	NA
SB-100	DUP-1_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0032 J	NA
SB-100	SB-100_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042 U	NA
SB-100	SB-100_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0049 U	NA
SB-101	SB-101_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0048 U	NA
SB-101	SB-101_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0044 U	NA
SB-102	SB-102_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0042 U	NA
SB-102	SB-102_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0045 U	NA
SB-103	SB-103_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0041 U	NA
SB-103	SB-103_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	< 1.6 UD	NA
SB-103	SB-103_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	< 1.7 UD	NA
SB-105	SB-105_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	< 0.004 U	NA
SB-105	SB-105_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	< 0.0043 U	NA
SB-107	SB-107_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0044 U	NA
SB-107	SB-107_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0043 U	NA
SB-107	SB-107_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	< 0.0048 U	NA
SS-108	SS-108_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
DS-1	DS-1_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.025 U	< 0.2 U	< 0.025 U	NA	< 0.35 U	0.18 J	0.075	< 0.2 U	< 0.099 U	< 0.69 U	0.11 J	NA	NA	NA	< 0.005 U	0.11 J
DS-1	DS-1_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.012 J	< 0.2 U	< 0.025 U	NA	0.073 J	0.033 J	0.1	< 0.2 U	< 0.099 U	< 0.7 U	0.037 J	NA	NA	NA	< 0.0049 U	0.078 J
DS-2	DS-2_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.0088 J	< 0.2 U	< 0.026 U	NA	< 0.36 U	< 0.36 U	0.1	< 0.2 U	< 0.1 U	< 0.73 U	< 0.36 U	NA	NA	NA	< 0.0051 U	< 0.36 U
DS-2	DS-2_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.029 U	< 0.23 U	< 0.029 U	NA	< 0.38 U	< 0.38 U	0.048 J	< 0.23 U	< 0.12 U	< 0.76 U	< 0.38 U	NA	NA	NA	< 0.0058 U	< 0.38 U
DS-3	DS-3_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.85 UD	< 6.8 UD	< 0.85 UD	NA	< 3.9 UD	< 3.9 UD	0.56 JD	< 6.8 UD	< 3.4 UD	< 7.7 UD	0.21 JD	NA	NA	NA	< 0.17 UD	< 3.9 UD
DS-3	DS-3_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.023 J	< 0.2 U	< 0.026 U	NA	< 3.8 UD	< 3.8 UD	0.53	< 0.2 U	< 0.1 U	< 7.7 UD	< 3.8 UD	NA	NA	NA	0.0018 J	< 3.8 UD
DS-4	DS-4_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.015 J	< 0.17 U	< 0.021 U	NA	0.019 J	0.019 J	0.31	< 0.17 U	< 0.086 U	< 0.72 U	0.038 J	NA	NA	NA	< 0.0043 U	0.07 J
DS-4	DS-4_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.0099 J	< 0.16 U	< 0.02 U	NA	< 0.36 U	0.093 J	0.18	< 0.16 U	< 0.081 U	< 0.72 U	0.11 J	NA	NA	NA	< 0.0041 U	0.28 J
DS-5	DS-5_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.0034 J	< 0.23 U	< 0.028 U	NA	< 0.37 U	< 0.37 U	0.11	< 0.23 U	< 0.11 U	< 0.74 U	< 0.37 U	NA	NA	NA	< 0.0057 U	< 0.37 U
DS-5	DS-5_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.017 J	< 0.22 U	< 0.027 U	NA	< 1.9 UD	< 1.9 UD	0.35	< 0.22 U	< 0.11 U	< 3.7 UD	< 1.9 UD	NA	NA	NA	< 0.0054 U	< 1.9 UD
DS-6	DS-6_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.023 J	< 0.19 U	< 0.024 U	NA	< 3.9 UD	< 3.9 UD	0.51	< 0.19 U	< 0.097 U	< 7.8 UD	< 3.9 UD	NA	NA	NA	0.0011 J	< 3.9 UD
DS-6	DS-6_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.0087 J	< 0.24 U	< 0.03 U	NA	< 4.1 UD	< 4.1 UD	0.24	< 0.24 U	< 0.12 U	< 8.1 UD	< 4.1 UD	NA	NA	NA	0.0039 J	< 4.1 UD
DS-7	DS-7_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.046	< 0.19 U	< 0.024 U	NA	< 0.37 U	0.11 J	0.38	< 0.19 U	< 0.096 U	< 0.73 U	0.1 J	NA	NA	NA	0.0018 J	0.37
DS-7	DS-7_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.028	< 0.18 U	< 0.022 U	NA	< 0.38 U	< 0.38 U	0.41	< 0.18 U	< 0.089 U	< 0.75 U	< 0.38 U	NA	NA	NA	0.0019 J	< 0.38 U
DS-8	DS-8_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.0057 J	< 0.17 U	< 0.021 U	NA	< 3.7 UD	< 3.7 UD	0.068	< 0.17 U	< 0.084 U	< 7.4 UD	< 3.7 UD	NA	NA	NA	< 0.0042 U	< 3.7 UD
DS-9	DS-9_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.038	< 0.23 U	< 0.028 U	NA	< 0.45 U	< 0.45 U	0.32	< 0.23 U	< 0.11 U	< 0.9 U	< 0.45 U	NA	NA	NA	0.037	< 0.45 U
DS-9	DS-9_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.037	< 0.18 U	< 0.023 U	NA	< 0.79 UD	< 0.79 UD	0.44	< 0.18 U	< 0.091 U	< 1.6 UD	0.079 JD	NA	NA	NA	0.0039 J	< 0.79 UD
DS-10	DS-10_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.0026 J	< 0.16 U	< 0.021 U	NA	0.054 J	0.059 J	0.057	< 0.16 U	< 0.082 U	< 0.7 U	0.11 J	NA	NA	NA	< 0.0041 U	0.4
DS-10	DS-10_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.0094 J	< 0.2 U	< 0.025 U	NA	< 0.38 U	< 0.38 U	0.12	< 0.2 U	< 0.099 U	< 0.76 U	< 0.38 U	NA	NA	NA	0.0015 J	< 0.38 U
DS-11	DS-11_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.019 J	< 0.19 U	0.007 J	NA	< 0.39 U	< 0.39 U	0.37	< 0.19 U	< 0.096 U	< 0.78 U	< 0.39 U	NA	NA	NA	0.00085 J	< 0.39 U
DS-11	DS-11_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.016 J	< 0.23 U	0.0043 J	NA	< 0.39 U	< 0.39 U	0.33	< 0.23 U	< 0.11 U	< 0.78 U	< 0.39 U	NA	NA	NA	0.00094 J	< 0.39 U
DS-12	DS-12_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.008 J	< 0.2 U	< 0.025 U	NA	< 0.4 U	< 0.4 U	0.15	< 0.2 U	< 0.1 U	< 0.81 U	< 0.4 U	NA	NA	NA	< 0.005 U	< 0.4 U
DS-12	DS-12_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.0038 J	< 0.2 U	< 0.025 U	NA	< 0.39 U	< 0.39 U	0.11	< 0.2 U	< 0.1 U	< 0.77 U	< 0.39 U	NA	NA	NA	< 0.005 U	< 0.39 U

Table 3
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				Analyte	2-Butanone	2-Methyl-1-Propanol	4-Methyl-2-Pentanone	4,4-DDT	Acenaphthene	Acenaphthylene	Acetone	Acetonitrile	Acrolein	Aniline	Anthracene	Aroclor 1254	Aroclor 1260	Asbestos	Benzene	Benzo(a)Anthracene
				CAS	78-93-3	78-83-1	108-10-1	50-29-3	83-32-9	208-96-8	67-64-1	75-05-8	107-02-8	62-53-3	120-12-7	11097-69-1	11096-82-5	1332-21-4	71-43-2	56-55-3
				Method	SW8260	SW8260B	SW8260B	8081	SW8270C	SW8270C	SW8260B	SW8260B	SW8260B	SW8270C	SW8270C	SW8082	SW8082	EPA 600/R-93-116	SW8260B	SW8270C
Location ID	SampleID	Depth	Sample Date	Sample Type		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg
DS-13	DS-13_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.012 J	0.17	< 0.021 U	NA	< 3.7 UD	< 3.7 UD	0.12	< 0.17 U	< 0.083 U	< 7.4 UD	< 3.7 UD	NA	NA	NA	< 0.0042 U	< 3.7 UD
DS-13	DS-13_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	0.016 J	< 0.2 U	< 0.025 U	NA	< 3.8 UD	< 3.8 UD	0.25	< 0.2 U	< 0.1 U	< 7.6 UD	< 3.8 UD	NA	NA	NA	< 0.0051 U	< 3.8 UD
DS-14	DS-14_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.035	< 0.19 U	0.0099 J	NA	< 3.9 UD	< 3.9 UD	0.84	< 0.19 U	< 0.096 U	< 7.8 UD	< 3.9 UD	NA	NA	NA	0.0019 J	< 3.9 UD
DS-14	DS-14_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	0.04	< 0.21 U	0.0087 J	NA	< 4.1 UD	< 4.1 UD	10 D	< 0.21 U	< 0.11 U	< 8.1 UD	< 4.1 UD	NA	NA	NA	0.011	< 4.1 UD
DS-15	DS-15_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.0084 J	< 0.17 U	< 0.021 U	NA	< 3.9 UD	< 3.9 UD	0.31	< 0.17 U	< 0.086 U	< 7.8 UD	< 3.9 UD	NA	NA	NA	< 0.0043 U	< 3.9 UD
DS-15	DS-15_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 0.028 U	< 0.22 U	< 0.028 U	NA	< 2 UD	< 2 UD	0.052 J	< 0.22 U	< 0.11 U	< 3.9 UD	< 2 UD	NA	NA	NA	< 0.0055 U	< 2 UD
DS-16	DS-16_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.0057 J	< 0.19 U	< 0.024 U	NA	< 3.7 UD	< 3.7 UD	0.087	< 0.19 U	< 0.096 U	< 7.3 UD	< 3.7 UD	NA	NA	NA	< 0.0048 U	< 3.7 UD
DS-16	DS-16_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	0.011 J	< 0.2 U	< 0.024 U	NA	< 4 UD	< 4 UD	0.25	< 0.2 U	< 0.098 U	< 7.9 UD	< 4 UD	NA	NA	NA	< 0.0049 U	< 4 UD
DS-17	DS-17_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.012 J	< 0.18 U	< 0.023 U	NA	< 2 UD	< 2 UD	0.24	< 0.18 U	< 0.09 U	< 4 UD	< 2 UD	NA	NA	NA	< 0.0045 U	< 2 UD
DS-17	DS-17_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 0.026 U	< 0.21 U	< 0.026 U	NA	< 3.9 UD	< 3.9 UD	0.31	< 0.21 U	< 0.1 U	< 7.7 UD	< 3.9 UD	NA	NA	NA	< 0.0051 U	< 3.9 UD
DS-18	DS-18_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.02 J	< 0.2 U	< 0.025 U	NA	< 1.9 UD	< 1.9 UD	0.32	0.075 J	< 0.1 U	< 3.9 UD	< 1.9 UD	NA	NA	NA	< 0.005 U	0.34 JD
DS-18	DS-18_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	0.01 J	< 0.2 U	< 0.025 U	NA	< 2 UD	< 2 UD	0.35	< 0.2 U	< 0.099 U	< 3.9 UD	< 2 UD	NA	NA	NA	< 0.005 U	< 2 UD
DS-18	DUP-5_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	< 0.026 U	< 0.21 U	< 0.026 U	NA	< 2 UD	< 2 UD	0.23	< 0.21 U	< 0.1 U	< 3.9 UD	< 2 UD	NA	NA	NA	< 0.0052 U	< 2 UD
GP-2	GP-2 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1.5 U	< 12 U	< 1.5 U	NA	< 0.39 U	< 0.39 U	< 3 U	< 12 U	< 5.9 U	< 0.78 U	< 0.39 U	NA	NA	NA	< 0.3 U	< 0.39 U
GP-5	GP-5 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1.2 U	< 9.7 U	< 1.2 U	NA	< 0.38 U	< 0.38 U	< 2.4 U	< 9.7 U	< 4.9 U	< 0.76 U	< 0.38 U	NA	NA	NA	< 0.24 U	< 0.38 U
GP-6	GP-6 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1.1 U	< 8.8 U	< 1.1 U	NA	< 7.8 U	< 7.8 U	< 2.2 U	< 8.8 U	< 4.4 U	< 16 U	< 7.8 U	NA	NA	NA	< 0.22 U	< 7.8 U
GP-7	GP-7 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1.2 U	< 9.8 U	< 1.2 U	NA	< 0.39 U	< 0.39 U	< 2.4 U	< 9.8 U	< 4.9 U	< 0.78 U	< 0.39 U	NA	NA	NA	< 0.24 U	< 0.39 U
GP-8	GP-8 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1.7 U	< 14 U	< 1.7 U	NA	< 490 U	< 490 U	< 3.4 U	< 14 U	< 6.8 U	< 980 U	< 490 U	NA	NA	NA	< 0.34 U	< 490 U
GP-10	GP-10 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1.2 U	< 9.7 U	< 1.2 U	NA	< 2 U	< 2 U	< 2.4 U	< 9.7 U	< 4.8 U	< 4 U	< 2 U	NA	NA	NA	< 0.24 U	< 2 U
GP-11	GP-11 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1 U	< 8 U	< 1 U	NA	< 0.38 U	< 0.38 U	< 2 U	< 8 U	< 4 U	< 0.75 U	< 0.38 U	NA	NA	NA	< 0.2 U	< 0.38 U
GP-13	GP-13 0-2FT(07262007)	0 - 2	7/26/2007	N	< 1.3 U	< 10 U	< 1.3 U	NA	< 2 U	< 2 U	< 2.5 U	< 10 U	< 5.1 U	< 3.9 U	< 2 U	NA	NA	NA	< 0.25 U	< 2 U
GP-14	GP-14 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.83 U	< 6.7 U	< 0.83 U	NA	< 0.39 U	< 0.39 U	< 1.7 U	< 6.7 U	< 3.3 U	< 0.78 U	< 0.39 U	NA	NA	NA	< 0.17 U	< 0.39 U
GP-15	GP-15 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.86 U	< 6.9 U	< 0.86 U	NA	< 0.39 U	< 0.39 U	< 1.7 U	< 6.9 U	< 3.4 U	< 0.77 U	< 0.39 U	NA	NA	NA	< 0.17 U	< 0.39 U
GP-16	GP-16 0-2FT(07272007)	0 - 2	7/27/2007	N	< 3.3 U	< 27 U	< 3.3 U	NA	< 1.9 U	< 1.9 U	< 6.7 U	< 27 U	< 13 U	< 3.7 U	< 1.9 U	NA	NA	NA	< 0.67 U	< 1.9 U
GP-18	GP-18 0-2FT(07272007)	0 - 2	7/27/2007	N	< 0.036 U	< 0.29 U	< 0.036 U	NA	< 0.38 U	< 0.38 U	0.13	< 0.29 U	< 0.14 U	< 0.76 U	< 0.38 U	NA	NA	NA	< 0.0072 U	< 0.38 U
EX-19	EX-19 0-2(07272007)	0 - 2	7/27/2007	N	< 3.4 U	< 27 U	< 3.4 U	NA	< 210 U	< 210 U	< 6.8 U	< 27 U	< 14 U	< 420 U	< 210 U	NA	NA	NA	< 0.68 U	< 210 U
EX-21	EX-21 0-2(07272007)	0 - 2	7/27/2007	N	< 0.032 U	< 0.26 U	< 0.032 U	NA	< 3.8 U	< 3.8 U	0.18	< 0.26 U	< 0.13 U	< 7.6 U	< 3.8 U	NA	NA	NA	< 0.0064 U	< 3.8 U
EX-22	EX-22 0-2(07272007)	0 - 2	7/27/2007	N	< 5.6 U	< 45 U	< 5.6 U	NA	< 0.74 U	< 0.74 U	< 11 U	< 45 U	< 23 U	< 1.5 U	< 0.74 U	NA	NA	NA	< 1.1 U	< 0.74 U
EX-23	EX-23 0-2(07272007)	0 - 2	7/27/2007	N	< 19 U	< 150 U	< 19 U	NA	< 0.37 U	< 0.37 U	< 37 U	< 150 U	< 74 U	< 0.73 U	< 0.37 U	NA	NA	NA	< 3.7 U	< 0.37 U
EX-26	EX-26 0-2(07272007)	0 - 2	7/27/2007	N	< 1.2 U	< 9.5 U	< 1.2 U	NA	< 16 U	< 16 U	< 2.4 U	< 9.5 U	< 4.8 U	< 32 U	< 16 U	NA	NA	NA	< 0.24 U	< 16 U
EX-27	EX-27 0-2(07272007)	0 - 2	7/27/2007	N	< 3.2 U	< 26 U	< 3.2 U	NA	< 2 U	< 2 U	< 6.4 U	< 26 U	< 13 U	< 4 U	< 2 U	NA	NA	NA	< 0.64 U	< 2 U
EX-27	DUP-1(07272007)	0 - 2	7/27/2007	FD	< 1.8 U	< 15 U	< 1.8 U	NA	< 1.9 U	< 1.9 U	< 3.6 U	< 15 U	< 7.3 U	< 3.8 U	< 1.9 U	NA	NA	NA	< 0.36 U	< 1.9 U

Table 3
Detected Compounds in Soil
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				Analyte	Benzo(a)Pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Benzyl Alcohol	Benzyl Butyl Phthalate	Bis(2-Ethylhexyl)phthalate	Carbon Disulfide	Chrysene	Dibenzo(a,h)Anthracene	Dibenzofuran	Di-n-Octyl Phthalate	Diphenyl Ether	Endrin	Endrin Aldehyde	Ethylbenzene
				CAS	50-32-8	205-99-2	191-24-2	207-08-9	100-51-6	85-68-7	117-81-7	75-15-0	218-01-9	53-70-3	132-64-9	117-84-0	101-84-8	72-20-8	7421-93-4	100-41-4
				Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8270C	SW8270C	SW8270	8081	SW8081	SW8260B
Location ID	SampleID	Depth	Sample Date	Sample Type			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
50-CC Composite	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-EC Composite	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 U
50-NC Composite	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025
50-NE Composite	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0067 U
50-SC Composite	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13
50-SE Composite	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.023
50-NW Composite	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0082 U
50-SW Composite	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U
50-WC Composite	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0062 U
Hard Resins	HARD RESINS_6/5/00_(1-3)GRAB_NM	1 - 3	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hard Resins	HARD RESINS_6/5/00_(4-6)GRAB_NM	4 - 6	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F1	SB-F1_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.0058 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	5.4	< 0.0038 U	< 0.0038 U	< 0.0058 U
SB-F3	SB-F3_10/24/00_(0-2)GRAB_NM	0 - 2	10/24/2000	N	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4.1 U	NA	NA	< 0.25 U
SB-F4	SB-F4_10/19/00_(0.5-2)GRAB_NM	0.5 - 2	10/19/2000	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.0053 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	0.86	NA	NA	< 0.0053 U
SB-F6	SB-F6_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	0.0076	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	0.012
SB-F6/F4/F15/F27	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	0.5 - 3	10/20/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0038 U	< 0.0038 U	NA
SB-F12	SB-F12_10/20/00_(1-3)GRAB_NM	1 - 3	10/20/2000	N	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.0057 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	NA	NA	< 0.0057 U
SD-F12/F13/F14/F15	SD-F12/F13/F14/F15_10/26/00_(0-0.5)COMP	0 - 0.5	10/26/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.023 J	0.038 J	NA
SB-F14	SB-F14_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.0062 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	NA	NA	< 0.0062 U
SB-F14/F12	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	1 - 3	10/20/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0035 U	< 0.0035 U	NA
SB-F14/F12/F3	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	0 - 3	10/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F15	SB-F15_10/18/00_(0-3)GRAB_NM	0 - 3	10/18/2000	N	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.0057 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	NA	NA	< 0.0057 U
SB-F19	SB-F19_10/17/00_(0-3)GRAB_NM	0 - 3	10/17/2000	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.0052 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.0039 U	< 0.0039 U	< 0.0052 U
SB-F27	SB-F27_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.0056 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	< 0.0056 U
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	0 - 3	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	3 - 6	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F3A	SB-F3A_11/8/02_(0-1)GRAB_NM	0 - 1	11/8/2002	N	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	< 0.007 U	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.007 U
SS-1	SS-1_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.0059 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	NA	NA	NA	< 0.0059 U
SS-2	SS-2_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.0057 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.0057 U
SS-3	SS-3_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.0056 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	NA	NA	NA	< 0.0056 U
SS-4	SS-4_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.006 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	NA	NA	NA	< 0.006 U
SS-30	SS-30_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.43 U	NA	NA	NA	NA	NA	1.2	< 0.0068 U	NA	NA	NA	NA	< 0.43 U	NA	NA	< 0.0068 U
SS-31	SS-31_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.44 U	NA	NA	NA	NA	NA	1	< 0.0064 U	NA	NA	NA	NA	< 0.44 U	NA	NA	< 0.0064 U
SS-32	SS-32_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.41 U	NA	NA	NA	NA	NA	2.2	< 0.0056 U	NA	NA	NA	NA	< 0.41 U	NA	NA	< 0.0056 U
SS-33	SS-33_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.4 U	NA	NA	NA	NA	NA	0.5	< 0.0065 U	NA	NA	NA	NA	< 0.4 U	NA	NA	< 0.0065 U
SS-34	SS-34_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.4 U	NA	NA	NA	NA	NA	1.7	< 0.0068 U	NA	NA	NA	NA	< 0.4 U	NA	NA	< 0.0068 U
SS-35	SS-35_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	< 0.42 U	NA	NA	NA	NA	NA	1.3	< 0.0067 U	NA	NA	NA	NA	< 0.42 U	NA	NA	< 0.0067 U
SS-43	SS-43_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	0.57	NA	NA	NA
SS-43	SS-43_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U
SS-44	SS-44_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-44	SS-44_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U
SS-45	SS-45_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA
SS-45	SS-45_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U
SS-46	SS-46_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA
SS-46	SS-46_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U
SS-47	SS-47_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-47	SS-47_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U
SS-48	SS-48_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-48	SS-48_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U
SS-49	SS-49_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.4 U	NA	NA	NA	NA	NA	< 0.4 U	NA	NA	NA	NA	NA	< 0.4 U	NA	NA	NA
SS-49	SS-49_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	NA	NA	NA	NA	NA	NA	NA	< 0.006 U
SS-50	SS-50_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.42 U	NA	NA	NA	NA	NA	< 0.42 U	NA	NA	NA	NA	NA	< 0.42 U	NA	NA	NA
SS-50	SS-50_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0063 U	NA	NA	NA	NA	NA	NA	NA	< 0.0063 U
SS-51	SS-51_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	0.5	NA	NA	NA
SS-51	SS-51_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U
SS-52	SS-52_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	NA
SS-52	SS-52_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	NA	NA	NA	NA	NA	NA	NA	< 0.006 U
SS-53	SS-53_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.36 U	NA	NA	NA	NA	NA	< 0.36 U	< 0.0055 U	NA	NA	NA	NA	< 0.36 U	NA	NA	< 0.0055 U
SS-54	SS-54_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	< 0.0057 U	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.0057 U
SS-55	SS-55_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-55	SS-55_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U
SS-56	SS-56_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.36 U	NA	NA	NA	NA	NA	< 0.36 U	< 0.0055 U	NA	NA	NA	NA	< 0.36 U	NA	NA	< 0.0055 U
SS-57	SS-57_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	< 0.0059 U	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.0059 U
SS-58	SS-58_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	< 0.0058 U	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.0058 U
SS-59	SS-59_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.44 U	NA	NA	NA	NA	NA	< 0.44 U	< 0.0068 U	NA	NA	NA	NA	< 0.44 U	NA	NA	< 0.0068 U
SS-60	SS-60_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.42 U	NA	NA	NA	NA	NA	< 0.42 U	< 0.0064 U	NA	NA	NA	NA	< 0.42 U	NA	NA	< 0.0064 U
SS-61	SS-61_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-61	SS-61_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U
SS-62	SS-62_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	0.72	NA	NA	NA	NA	NA	< 0.39 U	< 0.0059 U	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.0059 U
SS-63	SS-63_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	< 0.0057 U	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.0057 U
SB-F3RE	SB-F3RE_12/19/02_(0-2)GRAB_NM	0 - 2	12/19/2002	N	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	< 0.006 U	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.006 U
SS-74	SS-74_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-74	SS-74_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	Benzo(a)Pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Benzyl Alcohol	Benzyl Butyl Phthalate	Bis(2-Ethylhexyl)phthalate	Carbon Disulfide	Chrysene	Dibenzo(a,h)Anthracene	Dibenzofuran	Di-n-Octyl Phthalate	Diphenyl Ether	Endrin	Endrin Aldehyde	Ethylbenzene
				CAS	50-32-8	205-99-2	191-24-2	207-08-9	100-51-6	85-68-7	117-81-7	75-15-0	218-01-9	53-70-3	132-64-9	117-84-0	101-84-8	72-20-8	7421-93-4	100-41-4
				Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8270C	SW8270C	SW8270	8081	SW8081	SW8260B
Location ID	SampleID	Depth	Sample Date	Sample Type			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SS-75	SS-75_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-75	SS-75_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 1_8/15/06_(0-2)GRAB_DUP	0 - 2	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 2_8/15/06_(2-4)GRAB_DUP	2 - 4	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 A_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 B_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-80	SS-80_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U
SS-82	SS-82_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-83	SS-83_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-84	SS-84_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-85	SS-85_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-86	SS-86_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-87	SS-87_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-88	SS-88_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	< 0.084 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-89	SS-89_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 0.075 UD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-90	SS-90_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-93	SS-93_11/6/08_(0-4)GRAB_NM	0 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	DUP-2_11/6/08_(0-2)GRAB_DUP	0 - 2	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	SS-94_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-95	SS-95_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0043 U
SS-96	SS-96_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0046 U
SS-97	DUP-4_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0046 U
SS-97	SS-97_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0047 U
SB-98	DUP-3_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0043 U
SB-98	SB-98_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0048 U
SB-98	SB-98_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0009 J
SB-99	SB-99_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 D
SB-99	SB-99_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3 D
SB-100	DUP-1_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 J
SB-100	SB-100_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042 U
SB-100	SB-100_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0049 U
SB-101	SB-101_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0023 J
SB-101	SB-101_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0063
SB-102	SB-102_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0042 U
SB-102	SB-102_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00087 J
SB-103	SB-103_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0041 U
SB-103	SB-103_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 D
SB-103	SB-103_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 JD
SB-105	SB-105_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.004 U
SB-105	SB-105_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0043 U
SB-107	SB-107_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0044 U
SB-107	SB-107_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0043 U
SB-107	SB-107_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0048 U
SS-108	SS-108_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-1	DS-1_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.16 J	0.42	0.19 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.005 U	0.2 J	< 0.35 U	< 0.35 U	< 0.35 U	NA	NA	NA	< 0.005 U
DS-1	DS-1_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.1 J	0.19 J	0.11 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	0.0022 J	0.12 J	< 0.35 U	< 0.35 U	< 0.35 U	NA	NA	NA	< 0.0049 U
DS-2	DS-2_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	0.12 J	< 0.0051 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	NA	NA	NA	< 0.0051 U
DS-2	DS-2_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.0058 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.0058 U
DS-3	DS-3_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	1.9 JD	< 3.9 UD	< 3.9 UD	< 0.17 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	NA	NA	NA	< 0.17 UD
DS-3	DS-3_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 0.0051 U	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	NA	NA	NA	0.0049 J
DS-4	DS-4_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.063 J	0.17 J	0.058 J	< 0.36 U	< 0.36 U	< 0.36 U	0.2 J	< 0.0043 U	0.11 J	< 0.36 U	< 0.36 U	< 0.36 U	NA	NA	NA	< 0.0043 U
DS-4	DS-4_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.27 J	0.71	0.22 J	< 0.36 U	< 0.36 U	< 0.36 U	0.06 J	0.0016 J	0.52	< 0.36 U	0.019 J	< 0.36 U	NA	NA	NA	< 0.0041 U
DS-5	DS-5_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	0.12 J	< 0.0057 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	NA	NA	NA	< 0.0057 U
DS-5	DS-5_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 0.0054 U	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 1.9 UD	NA	NA	NA	< 0.0054 U
DS-6	DS-6_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	2.3 JD	< 3.9 UD	< 3.9 UD	< 0.0048 U	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	NA	NA	NA	0.0021 J
DS-6	DS-6_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 4.1 UD	1.8 JD	< 4.1 UD	< 4.1 UD	0.0017 J	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 4.1 UD	NA	NA	NA	0.0028 J
DS-7	DS-7_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.4	0.77	0.3 J	0.45	< 0.37 U	0.047 J	0.09 J	0.0025 J	0.65	< 0.37 U	< 0.37 U	< 0.37 U	NA	NA	NA	< 0.0048 U
DS-7	DS-7_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	0.0011 J	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.0044 U
DS-8	DS-8_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.7 UD	0.39 JD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 0.0042 U	0.3 JD	< 3.7 UD	< 3.7 UD	< 3.7 UD	NA	NA	NA	0.002 J
DS-9	DS-9_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.0057 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	NA	NA	NA	0.003 J
DS-9	DS-9_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.79 UD	< 0.79 UD	< 0.79 UD	< 0.79 UD	< 0.79 UD	< 0.79 UD	< 0.79 UD	0.0083	< 0.79 UD	< 0.79 UD	< 0.79 UD	< 0.79 UD	NA	NA	NA	0.0039 J
DS-10	DS-10_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.36	0.64	0.25 J	0.29 J	< 0.35 U	0.072 J	0.13 J	< 0.0041 U	0.63	< 0.35 U	0.024 J	0.062 J	NA	NA	NA	< 0.0041 U
DS-10	DS-10_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.005 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	NA	< 0.005 U
DS-11	DS-11_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.0048 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	NA	NA	NA	0.00088 J
DS-11	DS-11_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.0057 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	NA	NA	NA	< 0.0057 U
DS-12	DS-12_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.4 U	0.047 J	0.032 J	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.005 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	NA	NA	NA	< 0.005 U
DS-12	DS-12_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.005 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	NA	NA	NA	< 0.005 U

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	Benzo(a)Pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Benzyl Alcohol	Benzyl Butyl Phthalate	Bis(2-Ethylhexyl)phthalate	Carbon Disulfide	Chrysene	Dibenzo(a,h)Anthracene	Dibenzofuran	Di-n-Octyl Phthalate	Diphenyl Ether	Endrin	Endrin Aldehyde	Ethylbenzene
				CAS	50-32-8	205-99-2	191-24-2	207-08-9	100-51-6	85-68-7	117-81-7	75-15-0	218-01-9	53-70-3	132-64-9	117-84-0	101-84-8	72-20-8	7421-93-4	100-41-4
				Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8270C	SW8270C	SW8270	8081	SW8081	SW8260B
Location ID	SampleID	Depth	Sample Date	Sample Type			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DS-13	DS-13_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.7 UD	0.26 JD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	0.0011 J	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	NA	NA	NA	< 0.0042 U
DS-13	DS-13_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 0.0051 U	< 3.8 UD	< 3.8 UD	< 3.8 UD	< 3.8 UD	NA	NA	NA	< 0.0051 U
DS-14	DS-14_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	0.0028 J	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	NA	NA	NA	0.0013 J
DS-14	DS-14_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 0.0053 U	< 4.1 UD	< 4.1 UD	< 4.1 UD	< 4.1 UD	NA	NA	NA	0.0092
DS-15	DS-15_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 0.0043 U	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	NA	NA	NA	< 0.0043 U
DS-15	DS-15_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	< 2 UD	< 2 UD	< 2 UD	4.5 D	< 2 UD	< 2 UD	< 0.0055 U	< 2 UD	< 2 UD	< 2 UD	< 2 UD	NA	NA	NA	< 0.0055 U
DS-16	DS-16_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 0.0048 U	< 3.7 UD	< 3.7 UD	< 3.7 UD	< 3.7 UD	NA	NA	NA	< 0.0048 U
DS-16	DS-16_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4 UD	< 4 UD	< 4 UD	< 4 UD	< 4 UD	< 4 UD	< 4 UD	< 0.0049 U	< 4 UD	< 4 UD	< 4 UD	< 4 UD	NA	NA	NA	< 0.0049 U
DS-17	DS-17_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 2 UD	0.13 JD	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 0.0045 U	0.1 JD	< 2 UD	< 2 UD	< 2 UD	NA	NA	NA	< 0.0045 U
DS-17	DS-17_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.9 UD	< 3.9 UD	0.58 JD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 0.0051 U	< 3.9 UD	0.56 JD	< 3.9 UD	< 3.9 UD	NA	NA	NA	< 0.0051 U
DS-18	DS-18_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 1.9 UD	0.54 JD	0.31 JD	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 1.9 UD	< 0.005 U	0.33 JD	0.23 JD	< 1.9 UD	< 1.9 UD	NA	NA	NA	< 0.005 U
DS-18	DS-18_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 0.005 U	< 2 UD	< 2 UD	< 2 UD	< 2 UD	NA	NA	NA	< 0.005 U
DS-18	DUP-5_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	< 2 UD	0.13 JD	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 2 UD	< 0.0052 U	< 2 UD	< 2 UD	< 2 UD	< 2 UD	NA	NA	NA	< 0.0052 U
GP-2	GP-2 0-2FT(07262007)	0 - 2	7/26/2007	N	0.44	0.45	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.3 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	4.7	NA	NA	< 0.3 U
GP-5	GP-5 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.24 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	< 0.24 U
GP-6	GP-6 0-2FT(07262007)	0 - 2	7/26/2007	N	< 7.8 U	< 7.8 U	< 7.8 U	< 7.8 U	< 7.8 U	< 7.8 U	< 7.8 U	< 0.22 U	< 7.8 U	< 7.8 U	< 7.8 U	< 7.8 U	120	NA	NA	< 0.22 U
GP-7	GP-7 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	0.69	< 0.24 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	0.6	NA	NA	< 0.24 U
GP-8	GP-8 0-2FT(07262007)	0 - 2	7/26/2007	N	< 490 U	< 490 U	< 490 U	< 490 U	< 490 U	< 490 U	< 490 U	< 0.34 U	< 490 U	< 490 U	< 490 U	< 490 U	6900	NA	NA	0.67
GP-10	GP-10 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.24 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	NA	NA	0.97
GP-11	GP-11 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.2 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	< 0.2 U
GP-13	GP-13 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.25 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	NA	NA	< 0.25 U
GP-14	GP-14 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.17 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	4.1	NA	NA	< 0.17 U
GP-15	GP-15 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.17 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	NA	NA	< 0.17 U
GP-16	GP-16 0-2FT(07272007)	0 - 2	7/27/2007	N	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.67 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	NA	NA	< 0.67 U
GP-18	GP-18 0-2FT(07272007)	0 - 2	7/27/2007	N	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.0072 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	NA	NA	< 0.0072 U
EX-19	EX-19 0-2(07272007)	0 - 2	7/27/2007	N	< 210 U	< 210 U	< 210 U	< 210 U	< 210 U	< 210 U	< 210 U	< 0.68 U	< 210 U	< 210 U	< 210 U	< 210 U	2900	NA	NA	3.3
EX-21	EX-21 0-2(07272007)	0 - 2	7/27/2007	N	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 0.0064 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	44	NA	NA	< 0.0064 U
EX-22	EX-22 0-2(07272007)	0 - 2	7/27/2007	N	< 0.74 U	< 0.74 U	< 0.74 U	< 0.74 U	< 0.74 U	< 0.74 U	< 0.74 U	< 1.1 U	< 0.74 U	< 0.74 U	< 0.74 U	< 0.74 U	8.5	NA	NA	< 1.1 U
EX-23	EX-23 0-2(07272007)	0 - 2	7/27/2007	N	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 3.7 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	NA	NA	< 3.7 U
EX-26	EX-26 0-2(07272007)	0 - 2	7/27/2007	N	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 0.24 U	< 16 U	< 16 U	< 16 U	< 16 U	180	NA	NA	< 0.24 U
EX-27	EX-27 0-2(07272007)	0 - 2	7/27/2007	N	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.64 U	< 2 U	< 2 U	< 2 U	< 2 U	9.5	NA	NA	< 0.64 U
EX-27	DUP-1(07272007)	0 - 2	7/27/2007	FD	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.36 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	2.2	NA	NA	< 0.36 U

Table 3
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				Analyte	Fluoranthene	Fluorene	Formaldehyde	Heptachlorodibenzo-furans	Heptachlorodibenzo-p-dioxins	Hexachlorodibenzof-urans	Hexachlorodibenzo-p-dioxins	Indeno(1,2,3-cd)Pyrene	m,p-Xylene	Methoxychlor	Methyl N-Butyl Ketone	m-Xylene	Naphthalene	Octachlorodibenzof-uran	Octachlorodibenzo-p-Dioxin	o-Xylene
				CAS	206-44-0	86-73-7	50-00-0	38998-75-3	37871-00-4	55684-94-1	34465-46-8	193-39-5	ARC-mpXyl	72-43-5	591-78-6	108-38-3	91-20-3	39001-02-0	3268-87-9	95-47-6
				Method	SW8270C	SW8270C	SW8315A	SW8280	SW8280	SW8280	SW8280	SW8270C	SW8021	8081	SW8260B	SW8260	8270	SW8280	SW8280	SW8260
Location ID	SampleID	Depth	Sample Date	Sample Type				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
50-CC Composite	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-EC Composite	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.042	NA	NA	NA	NA	NA	NA	< 0.01 U
50-NC Composite	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.099	NA	NA	NA	NA	NA	NA	< 0.0094 U
50-NE Composite	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0067 U	NA	NA	NA	NA	NA	NA	< 0.0067 U
50-SC Composite	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.076	NA	NA	NA	NA	NA	NA	0.035
50-SE Composite	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.044	NA	NA	NA	NA	NA	NA	< 0.0074 U
50-NW Composite	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0082 U	NA	NA	NA	NA	NA	NA	< 0.0082 U
50-SW Composite	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	NA	NA	NA	NA	NA	NA	< 0.0058 U
50-WC Composite	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0062 U	NA	NA	NA	NA	NA	NA	< 0.0062 U
Hard Resins	HARD RESINS_6/5/00_(1-3)GRAB_NM	1 - 3	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hard Resins	HARD RESINS_6/5/00_(4-6)GRAB_NM	4 - 6	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F1	SB-F1_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.37 U	< 0.37 U	NA	0.0000268 J	0.000244 J	0.0000116 J	0.000115 J	< 0.37 U	NA	< 0.002 U	< 0.029 U	NA	< 0.37 U	0.0000178 J	0.0018 J	NA
SB-F3	SB-F3_10/24/00_(0-2)GRAB_NM	0 - 2	10/24/2000	N	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 2 U	NA	NA	< 1.2 U	NA	< 2 U	NA	NA	NA
SB-F4	SB-F4_10/19/00_(0.5-2)GRAB_NM	0.5 - 2	10/19/2000	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.026 U	NA	< 0.38 U	NA	NA	NA
SB-F6	SB-F6_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.029 U	NA	< 0.38 U	NA	NA	NA
SB-F6/F4/F15/F27	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	0.5 - 3	10/20/2000	N	NA	NA	NA	0.0000198 J	0.00017 J	0.000013 J	0.0000445 J	NA	NA	< 0.002 U	NA	NA	NA	0.0000191 J	0.00139 J	NA
SB-F12	SB-F12_10/20/00_(1-3)GRAB_NM	1 - 3	10/20/2000	N	< 0.36 U	< 0.36 U	NA	NA	NA	NA	NA	< 0.36 U	NA	NA	< 0.028 U	NA	< 0.36 U	NA	NA	NA
SD-F12/F13/F14/F15	SD-F12/F13/F14/F15_10/26/00_(0-0.5)COMP	0 - 0.5	10/26/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 J	NA	NA	NA	NA	NA	NA
SB-F14	SB-F14_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.39 U	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.031 U	NA	< 0.39 U	NA	NA	NA
SB-F14/F12	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	1 - 3	10/20/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0018 U	NA	NA	NA	NA	NA	NA
SB-F14/F12/F3	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	0 - 3	10/19/2000	N	NA	NA	NA	0.0000762	0.000266	0.0000345	0.0000419	NA	NA	NA	NA	NA	NA	0.0000672	0.00108	NA
SB-F15	SB-F15_10/18/00_(0-3)GRAB_NM	0 - 3	10/18/2000	N	< 0.37 U	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	< 0.029 U	NA	< 0.37 U	NA	NA	NA
SB-F19	SB-F19_10/17/00_(0-3)GRAB_NM	0 - 3	10/17/2000	N	< 0.39 U	< 0.39 U	NA	0.0000109 J	0.000121 J	0.00000454 J	0.0000197 J	< 0.39 U	NA	< 0.02 U	< 0.026 U	NA	< 0.39 U	0.0000107 J	0.00464 J	NA
SB-F27	SB-F27_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.028 U	NA	< 0.38 U	NA	NA	NA
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	0 - 3	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	3 - 6	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F3A	SB-F3A_11/8/02_(0-1)GRAB_NM	0 - 1	11/8/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.007 U	< 0.39 U	NA	NA	< 0.007 U
SS-1	SS-1_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.39 U	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.029 U	NA	< 0.39 U	NA	NA	NA
SS-2	SS-2_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.028 U	NA	< 0.38 U	NA	NA	NA
SS-3	SS-3_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.37 U	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	< 0.028 U	NA	< 0.37 U	NA	NA	NA
SS-4	SS-4_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	< 0.4 U	< 0.4 U	NA	NA	NA	NA	NA	< 0.4 U	NA	NA	< 0.03 U	NA	< 0.4 U	NA	NA	NA
SS-30	SS-30_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0068 U	< 0.43 U	NA	NA	< 0.0068 U
SS-31	SS-31_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.024	< 0.44 U	NA	NA	< 0.0064 U
SS-32	SS-32_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	< 0.41 U	NA	NA	< 0.0056 U
SS-33	SS-33_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0065 U	< 0.4 U	NA	NA	< 0.0065 U
SS-34	SS-34_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.022	< 0.4 U	NA	NA	< 0.0068 U
SS-35	SS-35_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.016	< 0.42 U	NA	NA	< 0.0067 U
SS-43	SS-43_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-43	SS-43_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	< 0.0057 U
SS-44	SS-44_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-44	SS-44_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	< 0.0057 U
SS-45	SS-45_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA
SS-45	SS-45_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.022	NA	NA	NA	0.0084
SS-46	SS-46_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	NA
SS-46	SS-46_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	NA	NA	NA	< 0.0056 U
SS-47	SS-47_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-47	SS-47_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	< 0.0057 U
SS-48	SS-48_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-48	SS-48_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	NA	NA	NA	< 0.0058 U
SS-49	SS-49_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4 U	NA	NA	NA
SS-49	SS-49_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	NA	NA	NA	< 0.006 U
SS-50	SS-50_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.42 U	NA	NA	NA
SS-50	SS-50_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0063 U	NA	NA	NA	< 0.0063 U
SS-51	SS-51_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-51	SS-51_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	< 0.0057 U
SS-52	SS-52_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	NA
SS-52	SS-52_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.017	NA	NA	NA	0.0099
SS-53	SS-53_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0055 U	< 0.36 U	NA	NA	< 0.0055 U
SS-54	SS-54_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.38 U	NA	NA	< 0.0057 U
SS-55	SS-55_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-55	SS-55_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	< 0.0057 U
SS-56	SS-56_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0055 U	< 0.36 U	NA	NA	< 0.0055 U
SS-57	SS-57_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0059 U	< 0.39 U	NA	NA	< 0.0059 U
SS-58	SS-58_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	< 0.38 U	NA	NA	< 0.0058 U
SS-59	SS-59_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0068 U	< 0.44 U	NA	NA	< 0.0068 U
SS-60	SS-60_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0064 U	< 0.42 U	NA	NA	< 0.0064 U
SS-61	SS-61_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	NA
SS-61	SS-61_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	NA	NA	NA	< 0.0057 U
SS-62	SS-62_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0059 U	< 0.39 U	NA	NA	< 0.0059 U
SS-63	SS-63_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.38 U	NA	NA	< 0.0057 U
SB-F3RE	SB-F3RE_12/19/02_(0-2)GRAB_NM	0 - 2	12/19/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	< 0.39 U	NA	NA	< 0.006 U
SS-74	SS-74_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-74	SS-74_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	< 0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-75	SS-75_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-75	SS-75_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	Fluoranthene	Fluorene	Formaldehyde	Heptachlorodibenzo furans	Heptachlorodibenzo-p-dioxins	Hexachlorodibenzofurans	Hexachlorodibenzo-p-dioxins	Indeno(1,2,3-cd)Pyrene	m,p-Xylene	Methoxychlor	Methyl N-Butyl Ketone	m-Xylene	Naphthalene	Octachlorodibenzofuran	Octachlorodibenzo-p-Dioxin	o-Xylene
				CAS	206-44-0	86-73-7	50-00-0	38998-75-3	37871-00-4	55684-94-1	34465-46-8	193-39-5	ARC-mpXyl	72-43-5	591-78-6	108-38-3	91-20-3	39001-02-0	3268-87-9	95-47-6
				Method	SW8270C	SW8270C	SW8315A	SW8280	SW8280	SW8280	SW8280	SW8270C	SW8021	8081	SW8260B	SW8260	8270	SW8280	SW8280	SW8260
SS-76	SS-76_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 1_8/15/06_(0-2)GRAB_DUP	0 - 2	8/15/2006	FD	NA	NA	0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 2_8/15/06_(2-4)GRAB_DUP	2 - 4	8/15/2006	FD	NA	NA	0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 A_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 B_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-80	SS-80_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-82	SS-82_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-83	SS-83_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-84	SS-84_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-85	SS-85_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	0.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-86	SS-86_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-87	SS-87_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-88	SS-88_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-89	SS-89_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-90	SS-90_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	0.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-93	SS-93_11/6/08_(0-4)GRAB_NM	0 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	DUP-2_11/6/08_(0-2)GRAB_DUP	0 - 2	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	SS-94_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-95	SS-95_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-96	SS-96_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-97	DUP-4_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-97	SS-97_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-98	DUP-3_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-98	SB-98_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-98	SB-98_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-99	SB-99_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-99	SB-99_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-100	DUP-1_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-100	SB-100_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-100	SB-100_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-101	SB-101_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-101	SB-101_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-102	SB-102_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-102	SB-102_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-103	SB-103_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-103	SB-103_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-103	SB-103_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-105	SB-105_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-105	SB-105_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-107	SB-107_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-107	SB-107_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-107	SB-107_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-108	SS-108_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-1	DS-1_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.27 J	< 0.35 U	NA	NA	NA	NA	NA	0.15 J	NA	NA	< 0.025 U	NA	< 0.35 U	NA	NA	NA
DS-1	DS-1_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.21 J	0.04 J	NA	NA	NA	NA	NA	0.085 J	NA	NA	< 0.025 U	NA	< 0.35 U	NA	NA	NA
DS-2	DS-2_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.042 J	< 0.36 U	NA	NA	NA	NA	NA	< 0.36 U	NA	NA	< 0.026 U	NA	< 0.36 U	NA	NA	NA
DS-2	DS-2_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.029 U	NA	< 0.38 U	NA	NA	NA
DS-3	DS-3_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.4 JD	< 3.9 UD	NA	NA	NA	NA	NA	< 3.9 UD	NA	NA	< 0.85 UD	NA	< 3.9 UD	NA	NA	NA
DS-3	DS-3_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.64 JD	< 3.8 UD	NA	NA	NA	NA	NA	< 3.8 UD	NA	NA	< 0.026 U	NA	< 3.8 UD	NA	NA	NA
DS-4	DS-4_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.26 J	< 0.36 U	NA	NA	NA	NA	NA	0.045 J	NA	NA	< 0.021 U	NA	< 0.36 U	NA	NA	NA
DS-4	DS-4_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	1.2	0.045 J	NA	NA	NA	NA	NA	0.18 J	NA	NA	< 0.02 U	NA	< 0.36 U	NA	NA	NA
DS-5	DS-5_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.062 J	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	< 0.028 U	NA	< 0.37 U	NA	NA	NA
DS-5	DS-5_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 1.9 UD	< 1.9 UD	NA	NA	NA	NA	NA	< 1.9 UD	NA	NA	< 0.027 U	NA	< 1.9 UD	NA	NA	NA
DS-6	DS-6_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.32 JD	< 3.9 UD	NA	NA	NA	NA	NA	< 3.9 UD	NA	NA	< 0.024 U	NA	< 3.9 UD	NA	NA	NA
DS-6	DS-6_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 4.1 UD	< 4.1 UD	NA	NA	NA	NA	NA	< 4.1 UD	NA	NA	< 0.03 U	NA	< 4.1 UD	NA	NA	NA
DS-7	DS-7_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	1.3	< 0.37 U	NA	NA	NA	NA	NA	0.24 J	NA	NA	0.0028 J	NA	< 0.37 U	NA	NA	NA
DS-7	DS-7_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.055 J	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.022 U	NA	< 0.38 U	NA	NA	NA
DS-8	DS-8_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.6 JD	< 3.7 UD	NA	NA	NA	NA	NA	< 3.7 UD	NA	NA	< 0.021 U	NA	< 3.7 UD	NA	NA	NA
DS-9	DS-9_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.45 U	< 0.45 U	NA	NA	NA	NA	NA	< 0.45 U	NA	NA	< 0.028 U	NA	< 0.45 U	NA	NA	NA
DS-9	DS-9_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	0.73 JD	< 0.79 UD	NA	NA	NA	NA	NA	< 0.79 UD	NA	NA	< 0.023 U	NA	< 0.79 UD	NA	NA	NA
DS-10	DS-10_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	1.5	0.043 J	NA	NA	NA	NA	NA	0.15 J	NA	NA	< 0.021 U	NA	< 0.35 U	NA	NA	NA
DS-10	DS-10_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.025 U	NA	< 0.38 U	NA	NA	NA
DS-11	DS-11_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.046 J	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.024 U	NA	< 0.39 U	NA	NA	NA
DS-11	DS-11_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	0.0027 J	NA	< 0.39 U	NA	NA	NA
DS-12	DS-12_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	0.18 J	< 0.4 U	NA	NA	NA	NA	NA	< 0.4 U	NA	NA	< 0.025 U	NA	< 0.4 U	NA	NA	NA
DS-12	DS-12_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.025 U	NA	< 0.39 U	NA	NA	NA
DS-13	DS-13_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.24 JD	< 3.7 UD	NA	NA	NA	NA	NA	< 3.7 UD	NA	NA	< 0.021 U	NA	< 3.7 UD	NA	NA	NA
DS-13	DS-13_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.8 UD	< 3.8 UD	NA	NA	NA	NA	NA	< 3.8 UD	NA	NA	< 0.025 U	NA	< 3.8 UD	NA	NA	NA
DS-14	DS-14_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	< 3.9 UD	NA	NA	NA	NA	NA	< 3.9 UD	NA	NA	0.0054 J	NA	< 3.9 UD	NA	NA	NA
DS-14	DS-14_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4.1 UD	< 4.1 UD	NA	NA	NA	NA	NA	< 4.1 UD	NA	NA	0.0048 J	NA	< 4.1 UD	NA	NA	NA
DS-15	DS-15_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	< 3.9 UD	NA	NA	NA	NA	NA	< 3.9 UD	NA	NA	< 0.021 U	NA	< 3.9 UD	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	Fluoranthene	Fluorene	Formaldehyde	Heptachlorodibenzo furans	Heptachlorodibenzo-p-dioxins	Hexachlorodibenzofurans	Hexachlorodibenzo-p-dioxins	Indeno(1,2,3-cd)Pyrene	m,p-Xylene	Methoxychlor	Methyl N-Butyl Ketone	m-Xylene	Naphthalene	Octachlorodibenzofuran	Octachlorodibenzo-p-Dioxin	o-Xylene
				CAS	206-44-0	86-73-7	50-00-0	38998-75-3	37871-00-4	55684-94-1	34465-46-8	193-39-5	ARC-mpXyl	72-43-5	591-78-6	108-38-3	91-20-3	39001-02-0	3268-87-9	95-47-6
				Method	SW8270C	SW8270C	SW8315A	SW8280	SW8280	SW8280	SW8280	SW8270C	SW8021	8081	SW8260B	SW8260	8270	SW8280	SW8280	SW8260
DS-15	DS-15_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	< 2 UD	NA	NA	NA	NA	NA	< 2 UD	NA	NA	< 0.028 U	NA	< 2 UD	NA	NA	NA
DS-16	DS-16_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.7 UD	< 3.7 UD	NA	NA	NA	NA	NA	< 3.7 UD	NA	NA	< 0.024 U	NA	< 3.7 UD	NA	NA	NA
DS-16	DS-16_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4 UD	< 4 UD	NA	NA	NA	NA	NA	< 4 UD	NA	NA	< 0.024 U	NA	< 4 UD	NA	NA	NA
DS-17	DS-17_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	0.26 JD	< 2 UD	NA	NA	NA	NA	NA	< 2 UD	NA	NA	< 0.023 U	NA	< 2 UD	NA	NA	NA
DS-17	DS-17_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.9 UD	< 3.9 UD	NA	NA	NA	NA	NA	0.51 JD	NA	NA	< 0.026 U	NA	< 3.9 UD	NA	NA	NA
DS-18	DS-18_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 1.9 UD	< 1.9 UD	NA	NA	NA	NA	NA	0.24 JD	NA	NA	< 0.025 U	NA	< 1.9 UD	NA	NA	NA
DS-18	DS-18_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	< 2 UD	NA	NA	NA	NA	NA	< 2 UD	NA	NA	< 0.025 U	NA	< 2 UD	NA	NA	NA
DS-18	DUP-5_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	< 2 UD	< 2 UD	NA	NA	NA	NA	NA	< 2 UD	NA	NA	< 0.026 U	NA	< 2 UD	NA	NA	NA
GP-2	GP-2 0-2FT(07262007)	0 - 2	7/26/2007	N	0.92	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 1.5 U	NA	< 0.39 U	NA	NA	NA
GP-5	GP-5 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 1.2 U	NA	< 0.38 U	NA	NA	NA
GP-6	GP-6 0-2FT(07262007)	0 - 2	7/26/2007	N	< 7.8 U	< 7.8 U	NA	NA	NA	NA	NA	< 7.8 U	NA	NA	< 1.1 U	NA	< 7.8 U	NA	NA	NA
GP-7	GP-7 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 1.2 U	NA	< 0.39 U	NA	NA	NA
GP-8	GP-8 0-2FT(07262007)	0 - 2	7/26/2007	N	< 490 U	< 490 U	NA	NA	NA	NA	NA	< 490 U	NA	NA	< 1.7 U	NA	< 490 U	NA	NA	NA
GP-10	GP-10 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 2 U	NA	NA	< 1.2 U	NA	< 2 U	NA	NA	NA
GP-11	GP-11 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 1 U	NA	< 0.38 U	NA	NA	NA
GP-13	GP-13 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 2 U	NA	NA	< 1.3 U	NA	< 2 U	NA	NA	NA
GP-14	GP-14 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.83 U	NA	< 0.39 U	NA	NA	NA
GP-15	GP-15 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	< 0.39 U	NA	NA	NA	NA	NA	< 0.39 U	NA	NA	< 0.86 U	NA	< 0.39 U	NA	NA	NA
GP-16	GP-16 0-2FT(07272007)	0 - 2	7/27/2007	N	< 1.9 U	< 1.9 U	NA	NA	NA	NA	NA	< 1.9 U	NA	NA	< 3.3 U	NA	< 1.9 U	NA	NA	NA
GP-18	GP-18 0-2FT(07272007)	0 - 2	7/27/2007	N	< 0.38 U	< 0.38 U	NA	NA	NA	NA	NA	< 0.38 U	NA	NA	< 0.036 U	NA	< 0.38 U	NA	NA	NA
EX-19	EX-19 0-2(07272007)	0 - 2	7/27/2007	N	< 210 U	< 210 U	NA	NA	NA	NA	NA	< 210 U	NA	NA	< 3.4 U	NA	< 210 U	NA	NA	NA
EX-21	EX-21 0-2(07272007)	0 - 2	7/27/2007	N	< 3.8 U	< 3.8 U	NA	NA	NA	NA	NA	< 3.8 U	NA	NA	< 0.032 U	NA	< 3.8 U	NA	NA	NA
EX-22	EX-22 0-2(07272007)	0 - 2	7/27/2007	N	< 0.74 U	< 0.74 U	NA	NA	NA	NA	NA	< 0.74 U	NA	NA	< 5.6 U	NA	< 0.74 U	NA	NA	NA
EX-23	EX-23 0-2(07272007)	0 - 2	7/27/2007	N	< 0.37 U	< 0.37 U	NA	NA	NA	NA	NA	< 0.37 U	NA	NA	< 19 U	NA	< 0.37 U	NA	NA	NA
EX-26	EX-26 0-2(07272007)	0 - 2	7/27/2007	N	< 16 U	< 16 U	NA	NA	NA	NA	NA	< 16 U	NA	NA	< 1.2 U	NA	< 16 U	NA	NA	NA
EX-27	EX-27 0-2(07272007)	0 - 2	7/27/2007	N	< 2 U	< 2 U	NA	NA	NA	NA	NA	< 2 U	NA	NA	< 3.2 U	NA	< 2 U	NA	NA	NA
EX-27	DUP-1(07272007)	0 - 2	7/27/2007	FD	< 1.9 U	< 1.9 U	NA	NA	NA	NA	NA	< 1.9 U	NA	NA	< 1.8 U	NA	< 1.9 U	NA	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
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				Analyte	Parathion	Pentachlorodibenzo furans, Total	Pentachlorodibenzo-p-dioxins, Total	Phenanthrene	pH	Pyrene	Styrene (Monomer)	Styrene (Monomer)	Tetrachlorodibenzo furans, Total	Tetrachlorodibenzo-p-dioxins, Total	Toluene	Total Xylenes	Toxicity Equivalent Quotient	trans-1,4-Dichlorobutene
				CAS	56-38-2	30402-15-4	36088-22-9	85-01-8		129-00-0	100-42-5	100-42-5	55722-27-5	41903-57-5	108-88-3	1330-20-7	ARC-TEC	110-57-6
				Method	SW8270C	SW8280	SW8280	SW8270C		SW8270C	SW8260	SW8260B	SW8280	SW8280	SW8260	SW8260B	NA	SW8260B
Location ID	SampleID	Depth	Sample Date	Sample Type							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
50-CC Composite	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50-EC Composite	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.01 U	NA	NA	NA
50-NC Composite	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.029	NA	NA	NA
50-NE Composite	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0067 U	NA	NA	NA
50-SC Composite	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.038	NA	NA	NA
50-SE Composite	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	1/19/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0074 U	NA	NA	NA
50-NW Composite	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0082 U	NA	NA	NA
50-SW Composite	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	NA	NA	NA
50-WC Composite	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	1/24/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0062 U	NA	NA	NA
Hard Resins	HARD RESINS_6/5/00_(1-3)GRAB_NM	1 - 3	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hard Resins	HARD RESINS_6/5/00_(4-6)GRAB_NM	4 - 6	6/5/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F1	SB-F1_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.37 U	0.00000877 J	0.00000992 J	< 0.37 U	8.06	< 0.37 U	< 0.0058 U	NA	0.00000827 J	0.00000377 J	< 0.0058 U	< 0.012 U	0.0000062 J	< 0.0038 U
SB-F3	SB-F3_10/24/00_(0-2)GRAB_NM	0 - 2	10/24/2000	N	< 2 U	NA	NA	< 2 U	7.58	< 2 U	< 0.25 U	NA	NA	NA	< 0.25 U	< 0.49 U	NA	NA
SB-F4	SB-F4_10/19/00_(0.5-2)GRAB_NM	0.5 - 2	10/19/2000	N	< 0.38 U	NA	NA	< 0.38 U	6.9	< 0.38 U	< 0.0053 U	NA	NA	NA	< 0.0053 U	< 0.01 U	NA	NA
SB-F6	SB-F6_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	2.1	NA	NA	< 0.38 U	7.27	< 0.38 U	< 0.0058 U	NA	NA	NA	0.012	0.079	NA	NA
SB-F6/F4/F15/F27	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	0.5 - 3	10/20/2000	N	NA	0.0000155 J	0.00000461 J	NA	NA	NA	NA	NA	0.0000104 J	0.00000208 J	NA	NA	0.000004 J	0.0078 J
SB-F12	SB-F12_10/20/00_(1-3)GRAB_NM	1 - 3	10/20/2000	N	< 0.36 U	NA	NA	< 0.36 U	7.71	< 0.36 U	< 0.0057 U	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SD-F12/F13/F14/F15	SD-F12/F13/F14/F15_10/26/00_(0-0.5)COMP	0 - 0.5	10/26/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.013 U
SB-F14	SB-F14_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	1.4	NA	NA	< 0.39 U	6.34	< 0.39 U	< 0.0062 U	NA	NA	NA	< 0.0062 U	< 0.012 U	NA	NA
SB-F14/F12	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	1 - 3	10/20/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0035 U
SB-F14/F12/F3	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	0 - 3	10/19/2000	N	NA	0.0000288	0.00000685	NA	NA	NA	NA	NA	0.0000205	0.00000366	NA	NA	0.0000055	NA
SB-F15	SB-F15_10/18/00_(0-3)GRAB_NM	0 - 3	10/18/2000	N	< 0.37 U	NA	NA	< 0.37 U	4.66	< 0.37 U	< 0.0057 U	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SB-F19	SB-F19_10/17/00_(0-3)GRAB_NM	0 - 3	10/17/2000	N	< 0.39 U	0.00000352 J	0.00000175 J	< 0.39 U	7.39	< 0.39 U	< 0.0052 U	NA	0.00000377 J	0.000000303 J	< 0.0052 U	< 0.01 U	0.0000058 J	< 0.0039 U
SB-F27	SB-F27_10/19/00_(1-3)GRAB_NM	1 - 3	10/19/2000	N	< 0.38 U	NA	NA	< 0.38 U	4.56	< 0.38 U	< 0.0056 U	NA	NA	NA	< 0.0056 U	< 0.011 U	NA	NA
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	0 - 3	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Confirmation_Sample	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	3 - 6	12/1/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-F3A	SB-F3A_11/8/02_(0-1)GRAB_NM	0 - 1	11/8/2002	N	NA	NA	NA	NA	4.8	NA	NA	NA	NA	NA	< 0.007 U	< 0.014 U	NA	NA
SS-1	SS-1_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	0.46	NA	< 0.39 U	< 0.0059 U	NA	NA	NA	< 0.0059 U	< 0.012 U	NA	NA
SS-2	SS-2_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	< 0.38 U	NA	< 0.38 U	< 0.0057 U	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-3	SS-3_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	< 0.37 U	NA	< 0.37 U	< 0.0056 U	NA	NA	NA	< 0.0056 U	< 0.011 U	NA	NA
SS-4	SS-4_7/2/04_(0-2)GRAB_NM	0 - 2	7/2/2004	N	NA	NA	NA	< 0.4 U	NA	< 0.4 U	< 0.006 U	NA	NA	NA	< 0.006 U	< 0.012 U	NA	NA
SS-30	SS-30_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	7.6	NA	NA	NA	NA	NA	< 0.0068 U	< 0.014 U	NA	NA
SS-31	SS-31_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	6.1	NA	NA	NA	NA	NA	< 0.0064 U	0.024	NA	NA
SS-32	SS-32_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	6.5	NA	NA	NA	NA	NA	< 0.0056 U	< 0.011 U	NA	NA
SS-33	SS-33_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	7.2	NA	NA	NA	NA	NA	< 0.0065 U	< 0.013 U	NA	NA
SS-34	SS-34_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	5.8	NA	NA	NA	NA	NA	< 0.0068 U	0.022	NA	NA
SS-35	SS-35_11/8/02_(0-2)GRAB_NM	0 - 2	11/8/2002	N	NA	NA	NA	NA	6.1	NA	NA	NA	NA	NA	< 0.0067 U	0.016	NA	NA
SS-43	SS-43_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	7.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-43	SS-43_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-44	SS-44_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	5.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-44	SS-44_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-45	SS-45_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-45	SS-45_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	0.03	NA	NA
SS-46	SS-46_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	6.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-46	SS-46_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0056 U	< 0.011 U	NA	NA
SS-47	SS-47_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-47	SS-47_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-48	SS-48_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-48	SS-48_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0058 U	< 0.012 U	NA	NA
SS-49	SS-49_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-49	SS-49_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	< 0.012 U	NA	NA
SS-50	SS-50_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-50	SS-50_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0063 U	< 0.013 U	NA	NA
SS-51	SS-51_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-51	SS-51_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-52	SS-52_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-52	SS-52_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.006 U	0.027	NA	NA
SS-53	SS-53_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	7.2	NA	NA	NA	NA	NA	< 0.0055 U	< 0.011 U	NA	NA
SS-54	SS-54_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	6.9	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-55	SS-55_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-55	SS-55_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-56	SS-56_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	7.4	NA	NA	NA	NA	NA	< 0.0055 U	< 0.011 U	NA	NA
SS-57	SS-57_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	7.3	NA	NA	NA	NA	NA	< 0.0059 U	< 0.012 U	NA	NA
SS-58	SS-58_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	7.6	NA	NA	NA	NA	NA	< 0.0058 U	< 0.012 U	NA	NA
SS-59	SS-59_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	6.8	NA	NA	NA	NA	NA	< 0.0068 U	< 0.014 U	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	Parathion	Pentachlorodibenzo furans, Total	Pentachlorodibenzo-p-dioxins, Total	Phenanthrene	pH	Pyrene	Styrene (Monomer)	Styrene (Monomer)	Tetrachlorodibenzo furans, Total	Tetrachlorodibenzo-p-dioxins, Total	Toluene	Total Xylenes	Toxicity Equivalent Quotient	trans-1,4-Dichlorobutene
				CAS	56-38-2	30402-15-4	36088-22-9	85-01-8		129-00-0	100-42-5	100-42-5	55722-27-5	41903-57-5	108-88-3	1330-20-7	ARC-TEC	110-57-6
				Method	SW8270C	SW8280	SW8280	SW8270C		SW8270C	SW8260	SW8260B	SW8280	SW8280	SW8260	SW8260B	NA	SW8260B
Location ID	SampleID	Depth	Sample Date	Sample Type							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SS-60	SS-60_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	7.5	NA	NA	NA	NA	NA	< 0.0064 U	< 0.013 U	NA	NA
SS-61	SS-61_12/17/02_(1-2)GRAB_NM	1 - 2	12/17/2002	N	NA	NA	NA	NA	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-61	SS-61_12/20/02_(1-2)GRAB_NM	1 - 2	12/20/2002	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-62	SS-62_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	6.4	NA	NA	NA	NA	NA	< 0.0059 U	< 0.012 U	NA	NA
SS-63	SS-63_12/19/02_(1-2)GRAB_NM	1 - 2	12/19/2002	N	NA	NA	NA	NA	6.9	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SB-F3RE	SB-F3RE_12/19/02_(0-2)GRAB_NM	0 - 2	12/19/2002	N	NA	NA	NA	NA	7.3	NA	NA	NA	NA	NA	< 0.006 U	< 0.012 U	NA	NA
SS-74	SS-74_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-74	SS-74_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-75	SS-75_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-75	SS-75_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-76	SS-76_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 1_8/15/06_(0-2)GRAB_DUP	0 - 2	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	DUP # 2_8/15/06_(2-4)GRAB_DUP	2 - 4	8/15/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-77	SS-77_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 A_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-78	SS-78 B_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(0-2)GRAB_NM	0 - 2	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-79	SS-79_8/15/06_(2-4)GRAB_NM	2 - 4	8/15/2006	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-80	SS-80_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0057 U	< 0.011 U	NA	NA
SS-82	SS-82_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-83	SS-83_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-84	SS-84_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-85	SS-85_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-86	SS-86_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-87	SS-87_11/19/08_(0-2)GRAB_NM	0 - 2	11/19/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-88	SS-88_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-89	SS-89_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-90	SS-90_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0036 U
SS-93	SS-93_11/6/08_(0-4)GRAB_NM	0 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	DUP-2_11/6/08_(0-2)GRAB_DUP	0 - 2	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-94	SS-94_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-95	SS-95_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0028 J	0.0033 J	NA	< 0.0038 U
SS-96	SS-96_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00075 J	< 0.0091 U	NA	NA
SS-97	DUP-4_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0046 U	< 0.0093 U	NA	NA
SS-97	SS-97_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0047 U	< 0.0095 U	NA	NA
SB-98	DUP-3_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0043 U	< 0.0086 U	NA	NA
SB-98	SB-98_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0048 U	< 0.0096 U	NA	NA
SB-98	SB-98_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.005 U	0.0037 J	NA	NA
SB-99	SB-99_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.9 D	83 D	NA	NA
SB-99	SB-99_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 D	19 D	NA	NA
SB-100	DUP-1_11/6/08_(2-4)GRAB_DUP	2 - 4	11/6/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.011	0.014	NA	NA
SB-100	SB-100_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00071 J	< 0.0085 U	NA	NA
SB-100	SB-100_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0049 U	< 0.0099 U	NA	NA
SB-101	SB-101_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 J	0.02	NA	NA
SB-101	SB-101_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0048	0.057	NA	NA
SB-102	SB-102_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0011 J	< 0.0083 U	NA	NA
SB-102	SB-102_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0046	0.008 J	NA	NA
SB-103	SB-103_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00068 J	< 0.0081 U	NA	NA
SB-103	SB-103_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2 D	15 D	NA	NA
SB-103	SB-103_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 JD	9.1 D	NA	NA
SB-105	SB-105_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.004 U	< 0.008 U	NA	NA
SB-105	SB-105_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00077 J	< 0.0086 U	NA	NA
SB-107	SB-107_11/6/08_(0-2)GRAB_NM	0 - 2	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0044 U	< 0.0088 U	NA	NA
SB-107	SB-107_11/6/08_(2-4)GRAB_NM	2 - 4	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0043 U	< 0.0086 U	NA	NA
SB-107	SB-107_11/6/08_(4-6)GRAB_NM	4 - 6	11/6/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00089 J	< 0.0097 U	NA	NA
SS-108	SS-108_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DS-1	DS-1_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.35 U	NA	NA	0.031 J	8.60	0.2 J	NA	< 0.005 U	NA	NA	< 0.005 U	< 0.0099 U	NA	NA
DS-1	DS-1_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.35 U*	NA	NA	0.17 J	8.30	0.2 J	NA	< 0.0049 U	NA	NA	< 0.0049 U	< 0.0099 U	NA	NA
DS-2	DS-2_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.36 U	NA	NA	< 0.36 U	7.88	0.019 J	NA	< 0.0051 U	NA	NA	0.00088 J	< 0.01 U	NA	NA
DS-2	DS-2_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U*	NA	NA	< 0.38 U	7.06	< 0.38 U	NA	< 0.0058 U	NA	NA	< 0.0058 U	< 0.012 U	NA	NA
DS-3	DS-3_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.9 UD	NA	NA	< 3.9 UD	8.91	< 3.9 UD	NA	< 0.17 UD	NA	NA	< 0.17 UD	< 0.34 UD	NA	NA
DS-3	DS-3_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 3.8 UD	NA	NA	< 3.8 UD	8.53	< 3.8 UD	NA	< 0.0051 U	NA	NA	0.0048 J	0.025	NA	NA
DS-4	DS-4_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.36 U	NA	NA	0.11 J	8.72	0.16 J	NA	< 0.0043 U	NA	NA	< 0.0043 U	< 0.0086 U	NA	NA
DS-4	DS-4_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.36 U	NA	NA	0.31 J	9.19	1	NA	< 0.0041 U	NA	NA	0.00078 J	< 0.0081 U	NA	NA
DS-5	DS-5_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.37 U	NA	NA	0.021 J	7.31	0.023 J	NA	< 0.0057 U	NA	NA	0.0012 J	< 0.011 U	NA	NA
DS-5	DS-5_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 1.9 UD	NA	NA	< 1.9 UD	7.69	< 1.9 UD	NA	< 0.0054 U	NA	NA	0.0011 J	0.0054 J	NA	NA
DS-6	DS-6_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.9 UD	NA	NA	< 3.9 UD	8.86	< 3.9 UD	NA	< 0.0048 U	NA	NA	0.029	0.0066 J	NA	NA

Table 3
Detected Compounds in Soil
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, GA

				Analyte	Parathion	Pentachlorodibenzo furans, Total	Pentachlorodibenzo-p-dioxins, Total	Phenanthrene	pH	Pyrene	Styrene (Monomer)	Styrene (Monomer)	Tetrachlorodibenzo furans, Total	Tetrachlorodibenzo-p-dioxins, Total	Toluene	Total Xylenes	Toxicity Equivalent Quotient	trans-1,4-Dichlorobutene
				CAS	56-38-2	30402-15-4	36088-22-9	85-01-8		129-00-0	100-42-5	100-42-5	55722-27-5	41903-57-5	108-88-3	1330-20-7	ARC-TEC	110-57-6
				Method	SW8270C	SW8280	SW8280	SW8270C		SW8270C	SW8260	SW8260B	SW8280	SW8280	SW8260	SW8260B	NA	SW8260B
Location ID	SampleID	Depth	Sample Date	Sample Type							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DS-6	DS-6_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 4.1 UD	NA	NA	< 4.1 UD	9.5	< 4.1 UD	NA	0.0029 J	NA	NA	0.11	0.0031 J	NA	NA
DS-7	DS-7_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.37 U	NA	NA	0.14 J	9.64	0.81	NA	< 0.0048 U	NA	NA	< 0.0048 U	< 0.0096 U	NA	NA
DS-7	DS-7_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	NA	NA	< 0.38 U	8.24	0.023 J	NA	< 0.0044 U	NA	NA	0.0012 J	< 0.0089 U	NA	NA
DS-8	DS-8_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 3.7 UD	NA	NA	0.28 JD	9.95	0.49 JD	NA	< 0.0042 U	NA	NA	0.0046	0.017	NA	NA
DS-9	DS-9_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.45 U	NA	NA	< 0.45 U	8.8	< 0.45 U	NA	< 0.0057 U	NA	NA	0.001 J	0.0057 J	NA	NA
DS-9	DS-9_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.79 UD	NA	NA	0.16 JD	8.96	0.081 JD	NA	< 0.0046 U	NA	NA	0.0065	0.012	NA	NA
DS-10	DS-10_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.35 U	NA	NA	0.39	10.3	0.8	NA	< 0.0041 U	NA	NA	< 0.0041 U	< 0.0082 U	NA	NA
DS-10	DS-10_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.38 U	NA	NA	< 0.38 U	10.5	< 0.38 U	NA	< 0.005 U	NA	NA	0.0015 J	< 0.0099 U	NA	NA
DS-11	DS-11_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.39 U	NA	NA	< 0.39 U	11.4	< 0.39 U	NA	< 0.0048 U	NA	NA	0.0024 J	0.0064 J	NA	NA
DS-11	DS-11_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U	NA	NA	< 0.39 U	<12	< 0.39 U	NA	< 0.0057 U	NA	NA	0.0011 J	< 0.011 U	NA	NA
DS-12	DS-12_11/7/08_(0-2)GRAB_NM	0 - 2	11/7/2008	N	< 0.4 U*	NA	NA	0.035 J	7.72	0.025 J	NA	< 0.005 U	NA	NA	< 0.005 U	< 0.01 U	NA	NA
DS-12	DS-12_11/7/08_(2-4)GRAB_NM	2 - 4	11/7/2008	N	< 0.39 U*	NA	NA	< 0.39 U	5.34	< 0.39 U	NA	< 0.005 U	NA	NA	< 0.005 U	< 0.01 U	NA	NA
DS-13	DS-13_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.7 UD	NA	NA	< 3.7 UD	7.52	< 3.7 UD	NA	< 0.0042 U	NA	NA	< 0.0042 U	< 0.0083 U	NA	NA
DS-13	DS-13_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.8 UD	NA	NA	< 3.8 UD	6.65	< 3.8 UD	NA	< 0.0051 U	NA	NA	0.004 J	< 0.01 U	NA	NA
DS-14	DS-14_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	NA	NA	0.41 JD	9.47	0.39 JD	NA	< 0.0048 U	NA	NA	0.0063	0.0046 J	NA	NA
DS-14	DS-14_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4.1 UD	NA	NA	< 4.1 UD	11.2	< 4.1 UD	NA	< 0.0053 U	NA	NA	0.044	0.004 J	NA	NA
DS-15	DS-15_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.9 UD	NA	NA	< 3.9 UD	8.17	0.21 JD	NA	< 0.0043 U	NA	NA	0.0049	0.0048 J	NA	NA
DS-15	DS-15_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	NA	NA	< 2 UD	5.35	< 2 UD	NA	< 0.0055 U	NA	NA	< 0.0055 U	< 0.011 U	NA	NA
DS-16	DS-16_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 3.7 UD	NA	NA	< 3.7 UD	7.51	< 3.7 UD	NA	< 0.0048 U	NA	NA	< 0.0048 U	< 0.0096 U	NA	NA
DS-16	DS-16_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 4 UD	NA	NA	< 4 UD	4.96	< 4 UD	NA	< 0.0049 U	NA	NA	< 0.0049 U	< 0.0098 U	NA	NA
DS-17	DS-17_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 2 UD	NA	NA	0.18 JD	8.44	0.14 JD	NA	< 0.0045 U	NA	NA	< 0.0045 U	0.0029 J	NA	NA
DS-17	DS-17_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 3.9 UD	NA	NA	< 3.9 UD	7.93	< 3.9 UD	NA	< 0.0051 U	NA	NA	< 0.0051 U	0.0093 J	NA	NA
DS-18	DS-18_11/10/08_(0-2)GRAB_NM	0 - 2	11/10/2008	N	< 1.9 UD	NA	NA	0.43 JD	6.23	0.48 JD	NA	< 0.005 U	NA	NA	0.0017 J	< 0.01 U	NA	NA
DS-18	DS-18_11/10/08_(2-4)GRAB_NM	2 - 4	11/10/2008	N	< 2 UD	NA	NA	< 2 UD	6.04	< 2 UD	NA	< 0.005 U	NA	NA	< 0.005 U	< 0.0099 U	NA	NA
DS-18	DUP-5_11/10/08_(0-2)GRAB_DUP	0 - 2	11/10/2008	FD	< 2 UD	NA	NA	< 2 UD	7.1	< 2 UD	NA	< 0.0052 U	NA	NA	< 0.0052 U	< 0.01 U	NA	NA
GP-2	GP-2 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	0.42	NA	0.45	NA	< 0.3 U	NA	NA	< 0.3 U	< 0.59 U	NA	NA
GP-5	GP-5 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	NA	NA	< 0.38 U	NA	< 0.38 U	NA	< 0.24 U	NA	NA	< 0.24 U	< 0.49 U	NA	NA
GP-6	GP-6 0-2FT(07262007)	0 - 2	7/26/2007	N	< 7.8 U	NA	NA	< 7.8 U	NA	< 7.8 U	NA	< 0.22 U	NA	NA	< 0.22 U	< 0.44 U	NA	NA
GP-7	GP-7 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	< 0.39 U	NA	< 0.39 U	NA	< 0.24 U	NA	NA	< 0.24 U	0.89	NA	NA
GP-8	GP-8 0-2FT(07262007)	0 - 2	7/26/2007	N	< 490 U	NA	NA	< 490 U	NA	< 490 U	NA	< 0.34 U	NA	NA	< 0.34 U	1.3	NA	NA
GP-10	GP-10 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 0.24 U	NA	NA	0.43	8.1	NA	NA
GP-11	GP-11 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.38 U	NA	NA	< 0.38 U	NA	< 0.38 U	NA	< 0.2 U	NA	NA	< 0.2 U	< 0.4 U	NA	NA
GP-13	GP-13 0-2FT(07262007)	0 - 2	7/26/2007	N	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 0.25 U	NA	NA	< 0.25 U	1.1	NA	NA
GP-14	GP-14 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	< 0.39 U	NA	< 0.39 U	NA	< 0.17 U	NA	NA	< 0.17 U	< 0.33 U	NA	NA
GP-15	GP-15 0-2FT(07262007)	0 - 2	7/26/2007	N	< 0.39 U	NA	NA	< 0.39 U	NA	< 0.39 U	NA	< 0.17 U	NA	NA	< 0.17 U	< 0.34 U	NA	NA
GP-16	GP-16 0-2FT(07272007)	0 - 2	7/27/2007	N	< 1.9 U	NA	NA	< 1.9 U	NA	< 1.9 U	NA	< 0.67 U	NA	NA	0.79	4	NA	NA
GP-18	GP-18 0-2FT(07272007)	0 - 2	7/27/2007	N	< 0.38 U	NA	NA	< 0.38 U	NA	< 0.38 U	NA	< 0.0072 U	NA	NA	< 0.0072 U	< 0.014 U	NA	NA
EX-19	EX-19 0-2(07272007)	0 - 2	7/27/2007	N	< 210 U	NA	NA	< 210 U	NA	< 210 U	NA	< 0.68 U	NA	NA	2.8	14	NA	NA
EX-21	EX-21 0-2(07272007)	0 - 2	7/27/2007	N	< 3.8 U	NA	NA	< 3.8 U	NA	< 3.8 U	NA	< 0.0064 U	NA	NA	< 0.0064 U	< 0.013 U	NA	NA
EX-22	EX-22 0-2(07272007)	0 - 2	7/27/2007	N	< 0.74 U	NA	NA	< 0.74 U	NA	< 0.74 U	NA	< 1.1 U	NA	NA	< 1.1 U	2.3	NA	NA
EX-23	EX-23 0-2(07272007)	0 - 2	7/27/2007	N	< 0.37 U	NA	NA	< 0.37 U	NA	< 0.37 U	NA	< 3.7 U	NA	NA	< 3.7 U	< 7.4 U	NA	NA
EX-26	EX-26 0-2(07272007)	0 - 2	7/27/2007	N	< 16 U	NA	NA	< 16 U	NA	< 16 U	NA	< 0.24 U	NA	NA	< 0.24 U	< 0.48 U	NA	NA
EX-27	EX-27 0-2(07272007)	0 - 2	7/27/2007	N	< 2 U	NA	NA	< 2 U	NA	< 2 U	NA	< 0.64 U	NA	NA	< 0.64 U	2.6	NA	NA
EX-27	DUP-1(07272007)	0 - 2	7/27/2007	FD	< 1.9 U	NA	NA	< 1.9 U	NA	< 1.9 U	NA	< 0.36 U	NA	NA	< 0.36 U	< 0.73 U	NA	NA

NA - Not analyzed for particluar constituent
Results are provided only for those compounds detected in at least one sample
FD = Field Duplicate
U = Not detected
D = Dilution
J = Estimated

Table 4
Detected Compounds in Groundwater
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, Georgia

			Analyte	1,2-Dichloropropane	1,3-Dinitrobenzene	1,4-Dioxane	2,4-Dimethylphenol	2-Methyl-1-Propanol	2-Methylnaphthalene	4-Methylphenol	Acenaphthene	Acetone	Acetonitrile	Acetophenone	Acrolein	Ammonia Nitrogen	Asbestos	Benzene	Benzyl Butyl Phthalate
			CAS	78-87-5	99-65-0	123-91-1	105-67-9	78-83-1	91-57-6	106-44-5	83-32-9	67-64-1	75-05-8	98-86-2	107-02-8	7664-41-7		71-43-2	85-68-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	MFL	ug/l	ug/l
			Method	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8260B	E350.1	A 600/R-93-1	SW8260B	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MW-F1	MW-F1_10/31/00_NM	10/31/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	130		< 1 U	< 10 U
MW-F1	MW-F1_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F1	MW-F1_1/20/04_DUP	1/20/2004	FD	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F1	MW-F1_1/20/04_NM	1/20/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F1	MW-6_6/30/04_DUP	6/30/2004	FD	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F1	MW-6_6/30/04_NM	6/30/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F1	MW-F1 (071911)	7/19/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MWD-F1	MWD-F1_11/4/00_NM	11/4/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	170		< 1 U	< 10 U
MWD-F1	MWD-F1_7/26/02_NM	7/26/2002	N																
MWD-F1	MWD-F1_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-F1	MWD-F1_1/23/04_NM	1/23/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-F1	MW-1_6/30/04_NM	6/30/2004	N	< 1 U	< 20 U	< 20 U	< 20 U	< 40 U	< 20 U	< 20 U	< 20 U	< 25 U	< 40 U	< 20 U	< 20 U			< 1 U	190
MWD-F1	MWD-F1 (072211)	7/22/2011	N	< 1.0 U	< 0.98 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.98 U	< 20 U			< 1.0 U	< 0.98 U
MW-F2	MW-F2_10/31/00_NM	10/31/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	22	170		< 1 U	< 10 U
MW-F2	MW-F2_1/25/01_NM	1/25/2001	N												< 20 U				
MW-F2	MW-F2_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F2	MW-F2_1/20/04_NM	1/20/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F2	MW-7_6/30/04_NM	6/30/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	14	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F2	MW-F2_11/19/08_NM	11/19/2008	N								0.032 J								
MW-F2	MW-F2 (071911)	7/19/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MWD-F2	MWD-F2_11/3/00_NM	11/3/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	< 0.03 U		< 1 U	< 10 U
MWD-F2	MWD-F2_7/26/02_NM	7/26/2002	N																
MWD-F2	MWD-F2_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-F2	MWD-F2_1/23/04_NM	1/23/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-F2	MW-2_6/30/04_NM	6/30/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	150
MWD-F2	MWD-F2 (072211)	7/22/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-F3	MW-F3_10/30/00_DUP	10/30/2000	FD	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	< 0.03 U		< 1 U	< 10 U
MW-F3	MW-F3_10/30/00_NM	10/30/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	< 0.03 U		< 1 U	< 10 U
MW-F3	MW-F3_1/25/01_NM	1/25/2001	N																
MW-F3	MW-F3_7/26/02_NM	7/26/2002	N																
MW-F3	MW-F3_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F3	MW-F3_1/21/04_NM	1/21/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F3	MW-27_7/3/04_NM	7/3/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F3	DUP # 5_8/16/06_DUP	8/16/2006	FD		< 9.6 U													< 1 U	
MW-F3	MW-F3_8/16/06_NM	8/16/2006	N		< 9.6 U													< 1 U	
MW-F3R	MW-F3R_11/19/08_NM	11/19/2008	N																
MW-F3R	MW-F3R (072011)	7/20/2011	N	< 1.0 U	< 0.95 U	< 1.9 U	< 1.9 U	< 40 U	< 0.19 U		0.43	< 25 U	< 40 U	< 0.95 U	< 20 U			< 1.0 U	< 0.95 U
MWD-F3	MWD-F3_11/3/00_NM	11/3/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	180		< 1 U	< 10 U
MWD-F3	MWD-F3_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-F3	MWD-F3_1/23/04_NM	1/23/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-F3	MWD-F3 (072211)	7/22/2011	N	< 1.0 U	< 1.0 U	2.5	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U			< 1.0 U	< 1.0 U
MW-F4	MW-F4_10/30/00_NM	10/30/2000	N	< 1 U	13	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	230		< 1 U	< 10 U
MW-F4	MW-F4_1/25/01_NM	1/25/2001	N																
MW-F4	MW-F4_7/26/02_NM	7/26/2002	N		< 10 U														
MW-F5	MW-F5_10/31/00_NM	10/31/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	15	< 25 U	< 40 U	< 10 U	< 20 U	200		< 1 U	< 10 U
MW-F5	MW-F5_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F5	MW-F5_1/21/04_NM	1/21/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F5	MW-23_7/2/04_NM	7/2/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	14	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F5	MW-F5_8/16/06_NM	8/16/2006	N															< 1 U	
MW-F5	MW-F5_7/30/08_NM	7/30/2008	N								13								
MW-F5	MW-F5_11/19/08_NM	11/19/2008	N								20 D								
MW-F5	MW-F5 (072011)	7/20/2011	N	< 1.0 U	< 0.97 U	< 1.9 U	< 1.9 U	< 40 U	< 0.19 U		4.9	< 25 U	< 40 U	< 0.97 U	< 20 U			< 1.0 U	< 0.97 U
MW-F6	MW-F6_10/28/00_NM	10/28/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	1700		< 1 U	10
MW-F6	MW-F6_1/25/01_NM	1/25/2001	N																< 10 U
MW-F6	MW-F6_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F6	MW-F6_1/21/04_NM	1/21/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F6	MW-24_7/2/04_NM	7/2/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F6	MW-F6 (072011)	7/20/2011	N	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U			< 1.0 U	< 1.0 U
MW-F7	MW-F7_10/30/00_NM	10/30/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	< 0.03 U		6.2	< 10 U
MW-F7	MW-F7_1/25/01_NM	1/25/2001	N															< 50 U	
MW-F7	MW-F7_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F7	MW-F7_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F7	MW-F7_1/20/04_NM	1/20/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F7	MW-21_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F7	MW-F7_8/16/06_NM	8/16/2006	N															< 1 U	
MW-F7	MW-F7_7/30/08_NM	7/30/2008	N																

Table 4
Detected Compounds in Groundwater
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, Georgia

			Analyte	1,2-Dichloropropane	1,3-Dinitrobenzene	1,4-Dioxane	2,4-Dimethylphenol	2-Methyl-1-Propanol	2-Methylnaphthalene	4-Methylphenol	Acenaphthene	Acetone	Acetonitrile	Acetophenone	Acrolein	Ammonia Nitrogen	Asbestos	Benzene	Benzyl Butyl Phthalate
			CAS	78-87-5	99-65-0	123-91-1	105-67-9	78-83-1	91-57-6	106-44-5	83-32-9	67-64-1	75-05-8	98-86-2	107-02-8	7664-41-7		71-43-2	85-68-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	MFL	ug/l	ug/l
			Method	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8260B	E350.1	PA 600/R-93-1	SW8260B	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MW-F7	MW-F7_11/19/08_NM	11/19/2008	N																
MW-F7	MW-F7 (072211)	7/22/2011	N	< 1.0 U	< 0.95 U	< 1.9 U	< 1.9 U	< 40 U	< 0.19 U		< 0.19 U	< 25 U	< 40 U	< 0.95 U	< 20 U			< 1.0 U	< 0.95 U
MW-F8	MW-F8_10/27/00_NM	10/27/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 34 U	< 40 U	< 10 U	< 20 U	690		< 1 U	< 10 U
MW-F8	MW-F8_1/25/01_NM	1/25/2001	N									53							
MW-F8	MW-F8_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F8	MW-F8_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F8	MW-F8_1/22/04_NM	1/22/2004	N	< 5 U	< 10 U	< 10 U	< 10 U	< 200 U	< 10 U	< 10 U	< 10 U	< 120 U	< 200 U	61	< 100 U			< 5 U	< 10 U
MW-F8	MW-F8 (072111)	7/21/2011	N	< 1.0 U	< 0.98 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.98 U	< 20 U		< 0.2 U	< 1.0 U	< 0.98 U
MW-F9	MW-F9_10/27/00_NM	10/27/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	< 0.03 U		< 1 U	< 10 U
MW-F9	MW-F9_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F9	MW-F9_1/22/04_NM	1/22/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F9	MW-20_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F9	MW-F9 (072111)	7/21/2011	N	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U		< 0.2 U	< 1.0 U	< 1.0 U
MW-F10	MW-F10_10/30/00_NM	10/30/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	110		< 1 U	< 10 U
MW-F10	MW-F10_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F10	MW-F10_1/22/04_NM	1/22/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F10	MW-19_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F11	MW-F11_10/28/00_NM	10/28/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	40		< 1 U	< 10 U
MW-F11	MW-F11_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F11	MW-F11_1/21/04_DUP	1/21/2004	FD	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F11	MW-F11_1/21/04_NM	1/21/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F11	MW-30_7/4/04_DUP	7/4/2004	FD	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F11	MW-30_7/4/04_NM	7/4/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F11	MW-F11 (071911)	7/19/2011	N	< 1.0 U	< 9.9 U	< 20 U	< 20 U	< 40 U	< 2.0 U		< 2.0 U	< 25 U	< 40 U	< 9.9 U	< 20 U			< 1.0 U	< 9.9 U
MW-F12	MW-F12_10/31/00_NM	10/31/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	30		< 1 U	< 10 U
MW-F12	MW-F12_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F12	MW-F12_1/21/04_NM	1/21/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F12	MW-29_7/3/04_NM	7/3/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	49	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F12	MW-F12 (071911)	7/19/2011	N	< 1.0 U	< 10 U	< 20 U	< 20 U	< 40 U	< 2.0 U		< 2.0 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1.0 U	< 10 U
MW-F13	MW-F13_10/27/00_NM	10/27/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	120		< 1 U	< 10 U
MW-F13	MW-F13_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F13	MW-F13_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F13	MW-F13_1/22/04_NM	1/22/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F13	MW-18_7/1/04_DUP	7/1/2004	FD	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F13	MW-18_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F13	MW-F13_7/6/06_NM	7/6/2006	N	< 1 U		< 9.6 U *	< 9.6 U		< 9.6 U		< 9.6 U	< 25 U		< 9.6 U *				< 1 U	< 9.6 U
MW-F13	MW-F13 (072111)	7/21/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-F14	MW-F14_10/27/00_NM	10/27/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 59 U	< 40 U	< 10 U	< 20 U	200		10	< 10 U
MW-F14	MW-F14_1/25/01_NM	1/25/2001	N			< 10 U						< 50 U						5.4	
MW-F14	MW-F14_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			5.3	< 10 U
MW-F14	MW-F14_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			9.4	< 10 U
MW-F14	MW-F14_1/23/04_NM	1/23/2004	N	2.1	< 10 U	22	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			14	< 10 U
MW-F14	MW-17_7/1/04_NM	7/1/2004	N	1.9	< 10 U	25	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			9.2	< 10 U
MW-F14	MW-F14_7/6/06_NM	7/6/2006	N	< 1 U		23 *	< 9.5 U		< 9.5 U		< 9.5 U	< 25 U		< 9.5 U *				2.2	< 9.5 U
MW-F14	MW-F14_8/17/06_NM	8/17/2006	N															3.4	
MW-F14	MW-F14 (072111)	7/21/2011	N	< 1.0 U	< 0.97 U	18	< 1.9 U	< 40 U	< 0.19 U		< 0.19 U	< 25 U	< 40 U	< 0.97 U	< 20 U			3.1	< 0.97 U
MW-F15	MW-F15_10/30/00_NM	10/30/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	210		< 1 U	< 10 U
MW-F15	MW-F15_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F15	MW-F15_1/22/04_NM	1/22/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F15	MW-F15 (072211)	7/22/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-F16	MW-F16_10/26/00_NM	10/26/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	200		< 1 U	< 10 U
MW-F16	MW-F16_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F16	MW-F16_1/23/04_DUP	1/23/2004	FD	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F16	MW-F16_1/23/04_NM	1/23/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F16	MW-14_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F16	MW-F16_7/6/06_NM	7/6/2006	N	< 1 U		< 9.5 U *	< 9.5 U		< 9.5 U		< 9.5 U	< 25 U		< 9.5 U *				< 1 U	< 9.5 U
MW-F16	MW-F16 (072011)	7/20/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-F17	MW-F17_11/1/00_NM	11/1/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	50		< 1 U	< 10 U
MW-F17	MW-F17_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F17	MW-F17_1/22/04_NM	1/22/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F17	MW-F17 (072211)	7/22/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-F19	MW-F19_10/31/00_NM	10/31/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	50		< 1 U	< 10 U
MW-F19	MW-F19_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F19	MW-F19_1/20/04_NM	1/20/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F19	MW-3_6/30/04_NM	6/30/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F19	MW-F19 (071911)	7/19/2011	N	< 1.0 U	< 0.98 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.98 U	< 20 U			< 1.0 U	< 0.98 U

Table 4
Detected Compounds in Groundwater
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, Georgia

			Analyte	1,2-Dichloropropane	1,3-Dinitrobenzene	1,4-Dioxane	2,4-Dimethylphenol	2-Methyl-1-Propanol	2-Methylnaphthalene	4-Methylphenol	Acenaphthene	Acetone	Acetonitrile	Acetophenone	Acrolein	Ammonia Nitrogen	Asbestos	Benzene	Benzyl Butyl Phthalate
			CAS	78-87-5	99-65-0	123-91-1	105-67-9	78-83-1	91-57-6	106-44-5	83-32-9	67-64-1	75-05-8	98-86-2	107-02-8	7664-41-7		71-43-2	85-68-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	MFL	ug/l	ug/l
			Method	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8260B	E350.1	PA 600/R-93-1	SW8260B	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MW-F20	MW-F20_11/1/00_NM	11/1/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U	920		< 1 U	< 10 U
MW-F20	MW-F20_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F20	MW-F20_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-F20	MW-F20_1/21/04_NM	1/21/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F20	MW-22_7/2/04_NM	7/2/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-F20	MW-F20_8/17/06_NM	8/17/2006	N															< 1 U	
MW-F21	MW-F21_11/1/00_NM	11/1/2000	N	< 1 U	< 10 U	< 10 U	< 10 U	140	< 10 U	< 10 U	< 10 U	< 93 U	< 40 U	< 10 U	< 20 U	< 0.03 U		32	< 10 U
MW-F21	MW-F21_1/25/01_NM	1/25/2001	N					< 200 U				< 50 U						40	
MW-F21	MW-F21_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			42	< 10 U
MW-F21	MW-F21_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			37	< 10 U
MW-F21	MW-F21_1/22/04_NM	1/22/2004	N	< 1 U	< 10 U	< 10 U	16	< 40 U	< 10 U	36	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			24	< 10 U
MW-F21	MW-28_7/3/04_NM	7/3/2004	N	< 1 U	< 10 U	< 10 U	13	< 40 U	< 10 U	38	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			25	< 10 U
MW-F21	MW-F21_8/16/06_NM	8/16/2006	N															27	
MW-F21	MW-F21_7/30/08_NM	7/30/2008	N																
MW-F21	MW-F21_11/19/08_NM	11/19/2008	N																
MW-F21	DUP-02 (072111)	7/21/2011	FD	< 1.0 U	< 9.5 U	21	< 19 U	< 40 U	23		6.2	< 25 U	< 40 U	< 9.5 U	< 20 U			16	< 9.5 U
MW-F21	MW-F21 (072111)	7/21/2011	N	< 1.0 U	< 48 U	< 96 U	< 96 U	< 40 U	15		< 9.6 U	< 25 U	< 40 U	< 48 U	< 20 U			14	< 48 U
MW-22	MW-22_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-22	MW-11_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-22	MW-22 (072111)	7/21/2011	N	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U			< 1.0 U	< 1.0 U
MWD-22	MWD-22_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-22	MW-10_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-22	MWD-22 (072111)	7/21/2011	N	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U			< 1.0 U	< 1.0 U
MW-23	MW-23_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-23	MW-9_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-23	MW-23 (072011)	7/20/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MWD-23	MWD-23_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-23	MW-8_6/30/04_NM	6/30/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-23	MWD-23 (072011)	7/20/2011	N	< 1.0 U	< 0.97 U	< 1.9 U	< 1.9 U	< 40 U	< 0.19 U		< 0.19 U	< 25 U	< 40 U	< 0.97 U	< 20 U			< 1.0 U	< 0.97 U
MW-24	MW-24_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-24	MW-5_6/30/04_NM	6/30/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-24	MW-24 (072011)	7/20/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MWD-24	MWD-24_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-24	MW-4_6/30/04_NM	6/30/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	100
MWD-24	MWD-24 (072011)	7/20/2011	N	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U			< 1.0 U	< 1.0 U
MW-25	MW-25_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-25	MW-13_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-25	MW-25 (072011)	7/20/2011	N	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U			< 1.0 U	< 1.0 U
MWD-25	MWD-25_11/1/02_NM	11/1/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-25	MW-12_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-25	MWD-25 (072011)	7/20/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-27	MW-27_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-27	MW-25_7/2/04_NM	7/2/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-27	MW-27_8/16/06_NM	8/16/2006	N															< 1 U	
MW-27	DUP-1_11/19/08_DUP	11/19/2008	FD																
MW-27	MW-27_11/19/08_NM	11/19/2008	N																
MW-27	MW-27 (072211)	7/22/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MWD-27	MWD-27_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-27	MW-26_7/3/04_NM	7/3/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-27	MWD-27_8/16/06_NM	8/16/2006	N															< 1 U	
MWD-27	MWD-27 (072211)	7/22/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-28	MW-28_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MW-28	MW-16_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MW-28	MW-28 (072111)	7/21/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MWD-28	MWD-28_12/19/02_NM	12/19/2002	N		< 10 U			< 200 U			< 10 U	< 50 U			< 100 U			< 5 U	< 10 U
MWD-28	MW-15_7/1/04_NM	7/1/2004	N	< 1 U	< 10 U	< 10 U	< 10 U	< 40 U	< 10 U	< 10 U	< 10 U	< 25 U	< 40 U	< 10 U	< 20 U			< 1 U	< 10 U
MWD-28	MWD-28 (072211)	7/22/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
MW-29	MW-29_11/19/08_NM	11/19/2008	N																
MW-29	MW-29 (072111)	7/21/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U

Table 4
Detected Compounds in Groundwater
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, Georgia

			Analyte	1,2-Dichloropropane	1,3-Dinitrobenzene	1,4-Dioxane	2,4-Dimethylphenol	2-Methyl-1-Propanol	2-Methylnaphthalene	4-Methylphenol	Acenaphthene	Acetone	Acetonitrile	Acetophenone	Acrolein	Ammonia Nitrogen	Asbestos	Benzene	Benzyl Butyl Phthalate
			CAS	78-87-5	99-65-0	123-91-1	105-67-9	78-83-1	91-57-6	106-44-5	83-32-9	67-64-1	75-05-8	98-86-2	107-02-8	7664-41-7		71-43-2	85-68-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	MFL	ug/l	ug/l
			Method	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8270C	SW8260B	SW8270C	SW8270C	SW8260B	E350.1	PA 600/R-93-1	SW8260B	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MWD-29	MWD-29_11/19/08_NM	11/19/2008	N																
MWD-29	MWD-29 (072111)	7/21/2011	N	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 1.0 U	< 20 U			< 1.0 U	< 1.0 U
MWD-30	MWD-30_11/19/08_NM	11/19/2008	N																
MWD-30	MWD-30 (072211)	7/22/2011	N	< 1.0 U	< 0.96 U	< 2.0 U	< 1.9 U	< 40 U	< 0.19 U		< 0.19 U	< 25 U	< 40 U	< 0.96 U	< 20 U			< 1.0 U	< 0.96 U
MW-32	MW-32_11/19/08_NM	11/19/2008	N								< 0.19 U								
MW-32	MW-32 (072111)	7/21/2011	N	< 1.0 U	< 0.99 U	< 2.0 U	< 2.0 U	< 40 U	< 0.20 U		< 0.20 U	< 25 U	< 40 U	< 0.99 U	< 20 U			< 1.0 U	< 0.99 U
TMW-5	TMW-5_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-5	TMW-5_7/6/00_NM	7/6/2000	N														6.7		
TMW-6	TMW-6_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-6	TMW-6_7/6/00_NM	7/6/2000	N														< 1.34 U		
TMW-7	TMW-7_6/5/00_NM	6/5/2000	N																
TMW-7	TMW-7_6/6/00_NM	6/6/2000	N												< 20 U				
TMW-7	TMW-7_7/6/00_NM	7/6/2000	N																
TMW-10	TMW-10_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-10	TMW-10_7/6/00_NM	7/6/2000	N																
TMW-11	TMW-11_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-11	TMW-11_7/6/00_NM	7/6/2000	N														< 6.7 U		
TMW-12	TMW-12_6/6/00_NM	6/6/2000	N															13	
TMW-12	TMW-12_7/6/00_NM	7/6/2000	N																
TMW-13	TMW-13_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-13	TMW-13_7/6/00_NM	7/6/2000	N																
TMW-14	TMW-14_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-14	TMW-14_7/6/00_NM	7/6/2000	N																
TMW-15	TMW-15_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-15	TMW-15_7/6/00_NM	7/6/2000	N																
TMW-16	TMW-16_6/6/00_NM	6/6/2000	N															< 5 U	
TMW-16	TMW-16_7/6/00_NM	7/6/2000	N														< 1.34 U		
TMW-17 Hard Resins	TMW-17 HARD RESINS	6/6/2000	N												48				

Table 4
Detected Compounds in Groundwater
Voluntary Investigation and Remediaiton Plan
Hercules - Savannah, Georgia

			Analyte CAS	Bis(2-Ethylhexyl)phthalate 117-81-7	Caprolactam 105-60-2	Carbon Dioxide 124-38-9	Carbon Disulfide 75-15-0	Chloride 16887-00-6	Chlorobenzene 108-90-7	Chrysene 218-01-9	Dibenzofuran 132-64-9	Diesel Range Organics ARC-DRO	Diphenyl Ether 101-84-8	Endrin Aldehyde 7421-93-4	Ethylbenzene 100-41-4	Fluoranthene 206-44-0	Fluorene 86-73-7	Fluoride (F-, Anion) 16984-48-8	Formaldehyde 50-00-0
			Unit	ug/l	ug/l	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8270C	SW8270C	SW8260B	SW8260B	E325.1	SW8260B	SW8270C	SW8270C	SW8015	SW8270C	SW8081	SW8260B	SW8270C	SW8270C	E340.2	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MW-F1	MW-F1_10/31/00_NM	10/31/2000	N	17			< 1 U	43	< 1 U	< 10 U	< 10 U	170	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F1	MW-F1_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F1	MW-F1_1/20/04_DUP	1/20/2004	FD	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F1	MW-F1_1/20/04_NM	1/20/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F1	MW-6_6/30/04_DUP	6/30/2004	FD	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F1	MW-6_6/30/04_NM	6/30/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F1	MW-F1 (071911)	7/19/2011	N	22 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-F1	MWD-F1_11/4/00_NM	11/4/2000	N	< 10 UJ			< 1 U	4.2	< 1 U	< 10 U	< 10 U	700	< 10 U	0.01	< 1 U	< 10 U	< 10 U	610	< 50 U
MWD-F1	MWD-F1_7/26/02_NM	7/26/2002	N																
MWD-F1	MWD-F1_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-F1	MWD-F1_1/23/04_NM	1/23/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 UJ			< 1 U	< 10 U	< 10 U		
MWD-F1	MW-1_6/30/04_NM	6/30/2004	N	< 20 U			< 1 U		< 1 U	< 20 U	< 20 U				< 1 U	< 20 U	< 20 U		
MWD-F1	MWD-F1 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.98 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F2	MW-F2_10/31/00_NM	10/31/2000	N	< 10 UJ			< 1 U	10	< 1 U	< 10 U	< 10 U	< 100 UJ	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	470	< 50 U
MW-F2	MW-F2_1/25/01_NM	1/25/2001	N																
MW-F2	MW-F2_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F2	MW-F2_1/20/04_NM	1/20/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	120			< 1 U	< 10 U	< 10 U		
MW-F2	MW-7_6/30/04_NM	6/30/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	11				< 1 U	< 10 U	14		
MW-F2	MW-F2_11/19/08_NM	11/19/2008	N														< 0.19 U		
MW-F2	MW-F2 (071911)	7/19/2011	N	18 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-F2	MWD-F2_11/3/00_NM	11/3/2000	N	< 10 UJ			< 1 U	3.6	< 1 U	< 10 U	< 10 U	330	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	660	< 50 U
MWD-F2	MWD-F2_7/26/02_NM	7/26/2002	N																
MWD-F2	MWD-F2_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-F2	MWD-F2_1/23/04_NM	1/23/2004	N	< 10 U			2.4		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MWD-F2	MW-2_6/30/04_NM	6/30/2004	N	28			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MWD-F2	MWD-F2 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F3	MW-F3_10/30/00_DUP	10/30/2000	FD	21			< 1 U	13	< 1 U	< 10 U	< 10 U	610	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F3	MW-F3_10/30/00_NM	10/30/2000	N	110			< 1 U	13	< 1 U	< 10 U	< 10 U	230	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F3	MW-F3_1/25/01_NM	1/25/2001	N	< 10 U															
MW-F3	MW-F3_7/26/02_NM	7/26/2002	N																
MW-F3	MW-F3_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F3	MW-F3_1/21/04_NM	1/21/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	110			< 1 U	< 10 U	< 10 U		
MW-F3	MW-27_7/3/04_NM	7/3/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F3	DUP # 5_8/16/06_DUP	8/16/2006	FD																< 50 U
MW-F3	MW-F3_8/16/06_NM	8/16/2006	N																< 50 U
MW-F3R	MW-F3R_11/19/08_NM	11/19/2008	N																
MW-F3R	MW-F3R (072011)	7/20/2011	N	2.5 B*			< 2.0 U		< 1.0 U	< 0.19 U	< 0.95 U*				< 1.0 U	< 0.19 U	< 0.19 U		
MWD-F3	MWD-F3_11/3/00_NM	11/3/2000	N	< 10 UJ			< 1 U	5.3	< 1 U	< 10 U	< 10 U	< 100 UJ	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	750	< 50 U
MWD-F3	MWD-F3_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-F3	MWD-F3_1/23/04_NM	1/23/2004	N	< 10 U			4.9		< 1 U	< 10 U	< 10 U	< 100 UJ			< 1 U	< 10 U	< 10 U		
MWD-F3	MWD-F3 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F4	MW-F4_10/30/00_NM	10/30/2000	N	< 51 UJ			< 1 U	12	< 1 U	< 10 U	< 10 U	550	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F4	MW-F4_1/25/01_NM	1/25/2001	N	< 10 U															
MW-F4	MW-F4_7/26/02_NM	7/26/2002	N																
MW-F5	MW-F5_10/31/00_NM	10/31/2000	N	< 10 UJ			< 1 U	12	< 1 U	< 10 U	< 10 U	< 100 UJ	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F5	MW-F5_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F5	MW-F5_1/21/04_NM	1/21/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F5	MW-23_7/2/04_NM	7/2/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F5	MW-F5_8/16/06_NM	8/16/2006	N																< 50 U
MW-F5	MW-F5_7/30/08_NM	7/30/2008	N																
MW-F5	MW-F5_11/19/08_NM	11/19/2008	N																
MW-F5	MW-F5 (072011)	7/20/2011	N	22 B*			< 2.0 U		< 1.0 U	< 0.19 U	< 0.97 U*				< 1.0 U	< 0.19 U	< 0.19 U		
MW-F6	MW-F6_10/28/00_NM	10/28/2000	N	< 13 UJ			< 1 U	9.3	< 1 U	11	< 10 U	< 100 UJ	< 10 U	< 0.1 U	< 1 U	11	< 10 U	560	< 50 U
MW-F6	MW-F6_1/25/01_NM	1/25/2001	N	< 10 U															
MW-F6	MW-F6_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F6	MW-F6_1/21/04_NM	1/21/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F6	MW-24_7/2/04_NM	7/2/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F6	MW-F6 (072011)	7/20/2011	N	24 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F7	MW-F7_10/30/00_NM	10/30/2000	N	230			< 1 U	13	< 1 U	< 10 U	< 10 U	180	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F7	MW-F7_1/25/01_NM	1/25/2001	N																
MW-F7	MW-F7_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F7	MW-F7_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F7	MW-F7_1/20/04_NM	1/20/2004	N	< 10 U			< 1 U		2.4	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F7	MW-21_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		2.9	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		

Table 4
Detected Compounds in Groundwater
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			Analyte CAS	Bis(2-Ethylhexyl)phthalate 117-81-7	Caprolactam 105-60-2	Carbon Dioxide 124-38-9	Carbon Disulfide 75-15-0	Chloride 16887-00-6	Chlorobenzene 108-90-7	Chrysene 218-01-9	Dibenzofuran 132-64-9	Diesel Range Organics ARC-DRO	Diphenyl Ether 101-84-8	Endrin Aldehyde 7421-93-4	Ethylbenzene 100-41-4	Fluoranthene 206-44-0	Fluorene 86-73-7	Fluoride (F-, Anion) 16984-48-8	Formaldehyde 50-00-0
			Unit	ug/l	ug/l	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8270C	SW8270C	SW8260B	SW8260B	E325.1	SW8260B	SW8270C	SW8270C	SW8015	SW8270C	SW8081	SW8260B	SW8270C	SW8270C	E340.2	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MW-F7	MW-F7_8/16/06_NM	8/16/2006	N						7.1										< 50 U
MW-F7	MW-F7_7/30/08_NM	7/30/2008	N						4										
MW-F7	MW-F7_11/19/08_NM	11/19/2008	N						4.6										
MW-F7	MW-F7 (072211)	7/22/2011	N	< 1.9 U			< 2.0 U		< 1.0 U	< 0.19 U	< 0.95 U				< 1.0 U	< 0.19 U	< 0.19 U		
MW-F8	MW-F8_10/27/00_NM	10/27/2000	N	< 10 UJ			< 1 U	48	< 1 U	< 10 U	< 10 U	4900 J	< 10 U	< 0.1 UR	3.2	< 10 U	< 10 U	260	< 50 U
MW-F8	MW-F8_1/25/01_NM	1/25/2001	N																
MW-F8	MW-F8_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F8	MW-F8_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F8	MW-F8_1/22/04_NM	1/22/2004	N	< 10 U			< 5 U		< 5 U	< 10 U	< 10 U	14000 D			< 5 U	< 10 U	< 10 U		
MW-F8	MW-F8 (072111)	7/21/2011	N	20 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.98 U*				< 1.0 U	< 0.20 U	< 0.20 U		< 50 U
MW-F9	MW-F9_10/27/00_NM	10/27/2000	N	< 10 UJ			< 1 U	20	< 1 U	< 10 U	< 10 U	< 100 UJ	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F9	MW-F9_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F9	MW-F9_1/22/04_NM	1/22/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F9	MW-20_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F9	MW-F9 (072111)	7/21/2011	N	3.8 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U				< 1.0 U	< 0.20 U	< 0.20 U		< 50 U
MW-F10	MW-F10_10/30/00_NM	10/30/2000	N	< 10 U			< 1 U	12	< 1 U	< 10 U	< 10 U	< 100 UJ	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	380	< 50 U
MW-F10	MW-F10_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F10	MW-F10_1/22/04_NM	1/22/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	480			< 1 U	< 10 U	< 10 U		
MW-F10	MW-19_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F11	MW-F11_10/28/00_NM	10/28/2000	N	< 10 UJ			< 1 U	39	< 1 U	< 10 U	< 10 U	940	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	260	< 50 U
MW-F11	MW-F11_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F11	MW-F11_1/21/04_DUP	1/21/2004	FD	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	550			< 1 U	< 10 U	< 10 U		
MW-F11	MW-F11_1/21/04_NM	1/21/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	680			< 1 U	< 10 U	< 10 U		
MW-F11	MW-30_7/4/04_DUP	7/4/2004	FD	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F11	MW-30_7/4/04_NM	7/4/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F11	MW-F11 (071911)	7/19/2011	N	46 B*			< 2.0 U		< 1.0 U	< 2.0 U	< 9.9 U*				< 1.0 U	< 2.0 U	< 2.0 U		
MW-F12	MW-F12_10/31/00_NM	10/31/2000	N	< 10 UJ			< 1 U	20	< 1 U	< 10 U	< 10 U	1200	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F12	MW-F12_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F12	MW-F12_1/21/04_NM	1/21/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	3700			< 1 U	< 10 U	< 10 U		
MW-F12	MW-29_7/3/04_NM	7/3/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F12	MW-F12 (071911)	7/19/2011	N	41 *B			< 2.0 U		< 1.0 U	< 2.0 U	< 10 U*				< 1.0 U	< 2.0 U	< 2.0 U		
MW-F13	MW-F13_10/27/00_NM	10/27/2000	N	< 10 UJ			< 1 U	54	< 1 U	< 10 U	< 10 U	200	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	220	< 50 U
MW-F13	MW-F13_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F13	MW-F13_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F13	MW-F13_1/22/04_NM	1/22/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	350			< 1 U	< 10 U	< 10 U		
MW-F13	MW-18_7/1/04_DUP	7/1/2004	FD	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F13	MW-18_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F13	MW-F13_7/6/06_NM	7/6/2006	N	< 9.6 U	270 D *	49	< 2 U		< 1 U	< 9.6 U	< 9.6 U				< 1 U	< 9.6 U	< 9.6 U		6.7
MW-F13	MW-F13 (072111)	7/21/2011	N	16 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U*				< 1.0 U	< 0.20 U	< 0.20 U		< 50 U
MW-F14	MW-F14_10/27/00_NM	10/27/2000	N	< 10 UJ			< 1 U	160	< 1 U	< 10 U	< 10 U	7900	< 10 U	< 0.1 UR	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F14	MW-F14_1/25/01_NM	1/25/2001	N																
MW-F14	MW-F14_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F14	MW-F14_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F14	MW-F14_1/23/04_NM	1/23/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	4400 J			< 1 U	< 10 U	< 10 U		
MW-F14	MW-17_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F14	MW-F14_7/6/06_NM	7/6/2006	N	< 9.5 U	370 D *	40	< 2 U		< 1 U	< 9.5 U	< 9.5 U				< 1 U	< 9.5 U	< 9.5 U		
MW-F14	MW-F14_8/17/06_NM	8/17/2006	N																< 50 U
MW-F14	MW-F14 (072111)	7/21/2011	N	16 B*			< 2.0 U		< 1.0 U	< 0.19 U	< 0.97 U*				< 1.0 U	< 0.19 U	< 0.19 U		
MW-F15	MW-F15_10/30/00_NM	10/30/2000	N	< 10 UJ			< 1 U	28	< 1 U	< 10 U	< 10 U	850	< 10 U	< 0.1 UJ	< 1 U	< 10 U	< 10 U	510	< 50 U
MW-F15	MW-F15_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F15	MW-F15_1/22/04_NM	1/22/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F15	MW-F15 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F16	MW-F16_10/26/00_NM	10/26/2000	N	< 10 UJ			< 1 U	9.1	< 1 U	< 10 U	< 10 U	< 100 U	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	260	< 50 U
MW-F16	MW-F16_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F16	MW-F16_1/23/04_DUP	1/23/2004	FD	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F16	MW-F16_1/23/04_NM	1/23/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F16	MW-14_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F16	MW-F16_7/6/06_NM	7/6/2006	N	< 9.5 U	570 D *	10	< 2 U		< 1 U	< 9.5 U	< 9.5 U				< 1 U	< 9.5 U	< 9.5 U		
MW-F16	MW-F16 (072011)	7/20/2011	N	23 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F17	MW-F17_11/1/00_NM	11/1/2000	N	< 10 UJ			< 1 U	190	< 1 U	< 10 U	< 10 U	830	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U
MW-F17	MW-F17_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F17	MW-F17_1/22/04_NM	1/22/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	1600			< 1 U	< 10 U	< 10 U		
MW-F17	MW-F17 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F19	MW-F19_10/31/00_NM	10/31/2000	N	< 10 UJ			< 1 U	14	< 1 U	< 10 U	< 10 U	< 100 UJ	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	< 200 U	< 50 U

Table 4
Detected Compounds in Groundwater
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			Analyte CAS	Bis(2-Ethylhexyl)phthalate 117-81-7	Caprolactam 105-60-2	Carbon Dioxide 124-38-9	Carbon Disulfide 75-15-0	Chloride 16887-00-6	Chlorobenzene 108-90-7	Chrysene 218-01-9	Dibenzofuran 132-64-9	Diesel Range Organics ARC-DRO	Diphenyl Ether 101-84-8	Endrin Aldehyde 7421-93-4	Ethylbenzene 100-41-4	Fluoranthene 206-44-0	Fluorene 86-73-7	Fluoride (F-, Anion) 16984-48-8	Formaldehyde 50-00-0
			Unit	ug/l	ug/l	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8270C	SW8270C	SW8260B	SW8260B	E325.1	SW8260B	SW8270C	SW8270C	SW8015	SW8270C	SW8081	SW8260B	SW8270C	SW8270C	E340.2	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MW-F19	MW-F19_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F19	MW-F19_1/20/04_NM	1/20/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	< 100 U			< 1 U	< 10 U	< 10 U		
MW-F19	MW-3_6/30/04_NM	6/30/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F19	MW-F19 (071911)	7/19/2011	N	19 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.98 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MW-F20	MW-F20_11/1/00_NM	11/1/2000	N	< 10 UJ			< 1 U	9.3	< 1 U	< 10 U	< 10 U	< 100 UJ	< 10 U	< 0.1 U	< 1 U	< 10 U	< 10 U	280	< 50 U
MW-F20	MW-F20_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F20	MW-F20_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F20	MW-F20_1/21/04_NM	1/21/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	150			< 1 U	< 10 U	< 10 U		
MW-F20	MW-22_7/2/04_NM	7/2/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F20	MW-F20_8/17/06_NM	8/17/2006	N																< 50 U
MW-F21	MW-F21_11/1/00_NM	11/1/2000	N	< 10 UJ			< 1 U	14	< 1 U	< 10 U	< 10 U	5800	68	< 0.1 UJ	< 1 U	< 10 U	< 10 U	< 200 U	310000
MW-F21	MW-F21_1/25/01_NM	1/25/2001	N																83000
MW-F21	MW-F21_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F21	MW-F21_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-F21	MW-F21_1/22/04_NM	1/22/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U	1600			< 1 U	< 10 U	< 10 U		
MW-F21	MW-28_7/3/04_NM	7/3/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-F21	MW-F21_8/16/06_NM	8/16/2006	N																< 50 U
MW-F21	MW-F21_7/30/08_NM	7/30/2008	N																
MW-F21	MW-F21_11/19/08_NM	11/19/2008	N																
MW-F21	DUP-02 (072111)	7/21/2011	FD	< 19 U*			< 2.0 U		< 1.0 U	< 1.9 U	< 9.5 U*				< 1.0 U	< 1.9 U	< 1.9 U		
MW-F21	MW-F21 (072111)	7/21/2011	N	< 96 U*			< 2.0 U		< 1.0 U	< 9.6 U	< 48 U*				< 1.0 U	< 9.6 U	< 9.6 U		< 50 U
MW-22	MW-22_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-22	MW-11_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-22	MW-22 (072111)	7/21/2011	N	3.4 *B			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-22	MWD-22_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-22	MW-10_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MWD-22	MWD-22 (072111)	7/21/2011	N	4.3 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-23	MW-23_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-23	MW-9_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-23	MW-23 (072011)	7/20/2011	N	25 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-23	MWD-23_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-23	MW-8_6/30/04_NM	6/30/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MWD-23	MWD-23 (072011)	7/20/2011	N	19 B*			< 2.0 U		< 1.0 U	< 0.19 U	< 0.97 U*				< 1.0 U	< 0.19 U	< 0.19 U		
MW-24	MW-24_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-24	MW-5_6/30/04_NM	6/30/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-24	MW-24 (072011)	7/20/2011	N	30 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-24	MWD-24_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-24	MW-4_6/30/04_NM	6/30/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MWD-24	MWD-24 (072011)	7/20/2011	N	28 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MW-25	MW-25_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-25	MW-13_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-25	MW-25 (072011)	7/20/2011	N	20 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-25	MWD-25_11/1/02_NM	11/1/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-25	MW-12_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MWD-25	MWD-25 (072011)	7/20/2011	N	18 B*			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U*				< 1.0 U	< 0.20 U	< 0.20 U		
MW-27	MW-27_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-27	MW-25_7/2/04_NM	7/2/2004	N	< 10 U			< 1 U		6.7	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-27	MW-27_8/16/06_NM	8/16/2006	N						7.3										< 50 U
MW-27	DUP-1_11/19/08_DUP	11/19/2008	FD						< 1 U										
MW-27	MW-27_11/19/08_NM	11/19/2008	N						< 1 U										
MW-27	MW-27 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-27	MWD-27_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-27	MW-26_7/3/04_NM	7/3/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MWD-27	MWD-27_8/16/06_NM	8/16/2006	N																< 50 U
MWD-27	MWD-27 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-28	MW-28_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MW-28	MW-16_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MW-28	MW-28 (072111)	7/21/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-28	MWD-28_12/19/02_NM	12/19/2002	N	< 10 U						< 10 U			< 10 U		< 5 U	< 10 U			
MWD-28	MW-15_7/1/04_NM	7/1/2004	N	< 10 U			< 1 U		< 1 U	< 10 U	< 10 U				< 1 U	< 10 U	< 10 U		
MWD-28	MWD-28 (072211)	7/22/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
MW-29	MW-29_11/19/08_NM	11/19/2008	N																
MW-29	MW-29 (072111)	7/21/2011	N	3.7 B*			< 2.0 U		1.1	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		

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			Analyte CAS	Bis(2-Ethylhexyl)phthalate 117-81-7	Caprolactam 105-60-2	Carbon Dioxide 124-38-9	Carbon Disulfide 75-15-0	Chloride 16887-00-6	Chlorobenzene 108-90-7	Chrysene 218-01-9	Dibenzofuran 132-64-9	Diesel Range Organics ARC-DRO	Diphenyl Ether 101-84-8	Endrin Aldehyde 7421-93-4	Ethylbenzene 100-41-4	Fluoranthene 206-44-0	Fluorene 86-73-7	Fluoride (F-, Anion) 16984-48-8	Formaldehyde 50-00-0
			Unit	ug/l	ug/l	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8270C	SW8270C	SW8260B	SW8260B	E325.1	SW8260B	SW8270C	SW8270C	SW8015	SW8270C	SW8081	SW8260B	SW8270C	SW8270C	E340.2	SW8270C
sys_loc_code	sys_sample_code	Sample Date	Sample Type																
MWD-29	MWD-29_11/19/08_NM	11/19/2008	N																
MWD-29	MWD-29 (072111)	7/21/2011	N	2.7 *B			< 2.0 U		< 1.0 U	< 0.20 U	< 1.0 U				< 1.0 U	< 0.20 U	< 0.20 U		
MWD-30	MWD-30_11/19/08_NM	11/19/2008	N																
MWD-30	MWD-30 (072211)	7/22/2011	N	< 1.9 U			< 2.0 U		< 1.0 U	< 0.19 U	< 0.96 U				< 1.0 U	< 0.19 U	< 0.19 U		
MW-32	MW-32_11/19/08_NM	11/19/2008	N														< 0.19 U		
MW-32	MW-32 (072111)	7/21/2011	N	< 2.0 U			< 2.0 U		< 1.0 U	< 0.20 U	< 0.99 U				< 1.0 U	< 0.20 U	< 0.20 U		
TMW-5	TMW-5_6/6/00_NM	6/6/2000	N																
TMW-5	TMW-5_7/6/00_NM	7/6/2000	N																
TMW-6	TMW-6_6/6/00_NM	6/6/2000	N																
TMW-6	TMW-6_7/6/00_NM	7/6/2000	N																
TMW-7	TMW-7_6/5/00_NM	6/5/2000	N																
TMW-7	TMW-7_6/6/00_NM	6/6/2000	N																
TMW-7	TMW-7_7/6/00_NM	7/6/2000	N																
TMW-10	TMW-10_6/6/00_NM	6/6/2000	N																
TMW-10	TMW-10_7/6/00_NM	7/6/2000	N																
TMW-11	TMW-11_6/6/00_NM	6/6/2000	N																
TMW-11	TMW-11_7/6/00_NM	7/6/2000	N																
TMW-12	TMW-12_6/6/00_NM	6/6/2000	N																
TMW-12	TMW-12_7/6/00_NM	7/6/2000	N																
TMW-13	TMW-13_6/6/00_NM	6/6/2000	N																
TMW-13	TMW-13_7/6/00_NM	7/6/2000	N																
TMW-14	TMW-14_6/6/00_NM	6/6/2000	N																
TMW-14	TMW-14_7/6/00_NM	7/6/2000	N																
TMW-15	TMW-15_6/6/00_NM	6/6/2000	N																
TMW-15	TMW-15_7/6/00_NM	7/6/2000	N																
TMW-16	TMW-16_6/6/00_NM	6/6/2000	N																
TMW-16	TMW-16_7/6/00_NM	7/6/2000	N																
TMW-17 Hard Resins	TMW-17 HARD RESINS	6/6/2000	N																

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			Analyte CAS	Gasoline Range Organics ARC-GRO	Naphthalene 91-20-3	Nitrate/Nitrite ARC-NO3NO2N	N-Nitrosodi-N-Butylamine 924-16-3	N-Nitroso-N-methylethylamine 10595-95-6	pH ARC-pH	Phenanthrene 85-01-8	Pyrene 129-00-0	Residue, filterable ARC-RESIDUE	Sulfate 14808-79-8	Sulfide 18496-25-8	Tetrachloroethene 127-18-4	Toluene 108-88-3	Total Organic Carbon ARC-TOC	Total Xylenes 1330-20-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	SU	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8015	SW8270C	E353.2	SW8270C	SW8270C	FIELD	SW8270C	SW8270C	E160.1	E300.0	SW9030	SW8260B	SW8260B	SW9060	SW8260B
sys_loc_code	sys_sample_code	Sample Date	Sample Type															
MW-F1	MW-F1_10/31/00_NM	10/31/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	520	< 2.2 U	< 1000 UJ	< 1 U	< 1 U	5.1	< 2 U
MW-F1	MW-F1_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F1	MW-F1_1/20/04_DUP	1/20/2004	FD		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F1	MW-F1_1/20/04_NM	1/20/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F1	MW-6_6/30/04_DUP	6/30/2004	FD		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F1	MW-6_6/30/04_NM	6/30/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F1	MW-F1 (071911)	7/19/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-F1	MWD-F1_11/4/00_NM	11/4/2000	N	< 50 U	< 10 U	< 0.05 U	66	< 10 U		< 10 U	< 10 U	270	41	< 1000 UJ	< 1 U	< 1 U	1.8	< 2 U
MWD-F1	MWD-F1_7/26/02_NM	7/26/2002	N				< 10 U											
MWD-F1	MWD-F1_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-F1	MWD-F1_1/23/04_NM	1/23/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-F1	MW-1_6/30/04_NM	6/30/2004	N		< 20 U		< 20 U	< 20 U		< 20 U	< 20 U				< 1 U	< 1 U		< 2 U
MWD-F1	MWD-F1 (072211)	7/22/2011	N		< 0.20 U		< 0.98 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F2	MW-F2_10/31/00_NM	10/31/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	280	39	< 1000 UJ	< 1 U	< 1 U	3.3	< 2 U
MW-F2	MW-F2_1/25/01_NM	1/25/2001	N															
MW-F2	MW-F2_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F2	MW-F2_1/20/04_NM	1/20/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F2	MW-7_6/30/04_NM	6/30/2004	N		< 10 U		< 10 U	< 10 U		28	< 10 U				< 1 U	< 1 U		< 2 U
MW-F2	MW-F2_11/19/08_NM	11/19/2008	N							< 0.19 U								
MW-F2	MW-F2 (071911)	7/19/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-F2	MWD-F2_11/3/00_NM	11/3/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	240	13	< 1000 UJ	< 1 U	< 1 U	14	< 2 U
MWD-F2	MWD-F2_7/26/02_NM	7/26/2002	N															
MWD-F2	MWD-F2_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-F2	MWD-F2_1/23/04_NM	1/23/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-F2	MW-2_6/30/04_NM	6/30/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-F2	MWD-F2 (072211)	7/22/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F3	MW-F3_10/30/00_DUP	10/30/2000	FD	< 50 U	140	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	120	27	2500	< 1 U	< 1 U	< 1 U	< 2 U
MW-F3	MW-F3_10/30/00_NM	10/30/2000	N	< 50 U	120	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	140	28	1300	< 1 U	< 1 U	< 1 U	< 2 U
MW-F3	MW-F3_1/25/01_NM	1/25/2001	N															
MW-F3	MW-F3_7/26/02_NM	7/26/2002	N		65													
MW-F3	MW-F3_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F3	MW-F3_1/21/04_NM	1/21/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F3	MW-27_7/3/04_NM	7/3/2004	N		41		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F3	DUP # 5_8/16/06_DUP	8/16/2006	FD		< 5 U													
MW-F3	MW-F3_8/16/06_NM	8/16/2006	N		67													
MW-F3R	MW-F3R_11/19/08_NM	11/19/2008	N		0.025 J													
MW-F3R	MW-F3R (072011)	7/20/2011	N		< 0.19 U		< 0.95 U	< 1.9 U		< 0.19 U	< 0.19 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-F3	MWD-F3_11/3/00_NM	11/3/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	300	57	< 1000 UJ	< 1 U	< 1 U	1.5	< 2 U
MWD-F3	MWD-F3_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-F3	MWD-F3_1/23/04_NM	1/23/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-F3	MWD-F3 (072211)	7/22/2011	N		< 0.20 U		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F4	MW-F4_10/30/00_NM	10/30/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	420	24	< 1000 UJ	< 1 U	< 1 U	3.8	< 2 U
MW-F4	MW-F4_1/25/01_NM	1/25/2001	N															
MW-F4	MW-F4_7/26/02_NM	7/26/2002	N															
MW-F5	MW-F5_10/31/00_NM	10/31/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	400	21	< 1000 UJ	< 1 U	< 1 U	4.5	< 2 U
MW-F5	MW-F5_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F5	MW-F5_1/21/04_NM	1/21/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F5	MW-23_7/2/04_NM	7/2/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F5	MW-F5_8/16/06_NM	8/16/2006	N		< 5 U													
MW-F5	MW-F5_7/30/08_NM	7/30/2008	N						6.74									
MW-F5	MW-F5_11/19/08_NM	11/19/2008	N															
MW-F5	MW-F5 (072011)	7/20/2011	N		< 0.19 U		< 0.97 U	< 1.9 U		< 0.19 U	< 0.19 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F6	MW-F6_10/28/00_NM	10/28/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	16	330	< 1.3 U	< 1000 UJ	< 1 U	< 1 U	5.3	< 2 U
MW-F6	MW-F6_1/25/01_NM	1/25/2001	N															
MW-F6	MW-F6_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F6	MW-F6_1/21/04_NM	1/21/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F6	MW-24_7/2/04_NM	7/2/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F6	MW-F6 (072011)	7/20/2011	N		< 0.20 U		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F7	MW-F7_10/30/00_NM	10/30/2000	N	< 50 U	< 10 U	3800	< 10 U	< 10 U		< 10 U	< 10 U	130	39	< 1000 UJ	< 1 U	< 1 U	< 1 U	< 2 U
MW-F7	MW-F7_1/25/01_NM	1/25/2001	N															
MW-F7	MW-F7_11/1/02_NM	11/1/2002	N		73		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F7	MW-F7_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F7	MW-F7_1/20/04_NM	1/20/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F7	MW-21_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F7	MW-F7_8/16/06_NM	8/16/2006	N		< 5 U													
MW-F7	MW-F7_7/30/08_NM	7/30/2008	N		< 0.19 U				4.42									

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			Analyte CAS	Gasoline Range Organics ARC-GRO	Naphthalene 91-20-3	Nitrate/Nitrite ARC-NO3NO2N	N-Nitrosodi-N-Butylamine 924-16-3	N-Nitroso-N-methylethylamine 10595-95-6	pH ARC-pH	Phenanthrene 85-01-8	Pyrene 129-00-0	Residue, filterable ARC-RESIDUE	Sulfate 14808-79-8	Sulfide 18496-25-8	Tetrachloroethene 127-18-4	Toluene 108-88-3	Total Organic Carbon ARC-TOC	Total Xylenes 1330-20-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	SU	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8015	SW8270C	E353.2	SW8270C	SW8270C	FIELD	SW8270C	SW8270C	E160.1	E300.0	SW9030	SW8260B	SW8260B	SW9060	SW8260B
sys_loc_code	sys_sample_code	Sample Date	Sample Type															
MW-F7	MW-F7_11/19/08_NM	11/19/2008	N		< 0.19 U													
MW-F7	MW-F7 (072211)	7/22/2011	N		< 0.19 U		< 0.95 U	< 1.9 U		< 0.19 U	< 0.19 U				2.9	< 1.0 U		< 2.0 U
MW-F8	MW-F8_10/27/00_NM	10/27/2000	N	60	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	1000	19	< 1000 UJ	< 1 U	5.8	130	22
MW-F8	MW-F8_1/25/01_NM	1/25/2001	N															
MW-F8	MW-F8_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F8	MW-F8_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F8	MW-F8_1/22/04_NM	1/22/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 5 U	< 5 U		< 10 U
MW-F8	MW-F8 (072111)	7/21/2011	N		< 0.20 U		< 0.98 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F9	MW-F9_10/27/00_NM	10/27/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	130	31	< 1000 UJ	< 1 U	< 1 U	< 1 U	< 2 U
MW-F9	MW-F9_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F9	MW-F9_1/22/04_NM	1/22/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F9	MW-20_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F9	MW-F9 (072111)	7/21/2011	N		< 0.20 U		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F10	MW-F10_10/30/00_NM	10/30/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	810	130	< 1000 UJ	< 1 U	< 1 U	31	< 2 U
MW-F10	MW-F10_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F10	MW-F10_1/22/04_NM	1/22/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F10	MW-19_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F11	MW-F11_10/28/00_NM	10/28/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	520	23	< 1000 UJ	< 1 U	< 1 U	54	< 2 U
MW-F11	MW-F11_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F11	MW-F11_1/21/04_DUP	1/21/2004	FD		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F11	MW-F11_1/21/04_NM	1/21/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F11	MW-30_7/4/04_DUP	7/4/2004	FD		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F11	MW-30_7/4/04_NM	7/4/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F11	MW-F11 (071911)	7/19/2011	N		< 2.0 U		< 9.9 U	< 20 U		< 2.0 U	< 2.0 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F12	MW-F12_10/31/00_NM	10/31/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	930	4.1	< 1000 UJ	< 1 U	< 1 U	53	< 2 U
MW-F12	MW-F12_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F12	MW-F12_1/21/04_NM	1/21/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F12	MW-29_7/3/04_NM	7/3/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F12	MW-F12 (071911)	7/19/2011	N		< 2.0 U		< 10 U	< 20 U		< 2.0 U	< 2.0 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F13	MW-F13_10/27/00_NM	10/27/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	340	56	< 1000 UJ	< 1 U	< 1 U	8.5	< 2 U
MW-F13	MW-F13_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F13	MW-F13_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F13	MW-F13_1/22/04_NM	1/22/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F13	MW-18_7/1/04_DUP	7/1/2004	FD		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F13	MW-18_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F13	MW-F13_7/6/06_NM	7/6/2006	N		< 9.6 U					< 9.6 U	< 9.6 U				< 1 U	< 1 U		< 2 U
MW-F13	MW-F13 (072111)	7/21/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F14	MW-F14_10/27/00_NM	10/27/2000	N	55	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	1800	22	< 1000 UJ	< 1 U	1.1	74	< 2 U
MW-F14	MW-F14_1/25/01_NM	1/25/2001	N															
MW-F14	MW-F14_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F14	MW-F14_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F14	MW-F14_1/23/04_NM	1/23/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	1.1		4
MW-F14	MW-17_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F14	MW-F14_7/6/06_NM	7/6/2006	N		< 9.5 U					< 9.5 U	< 9.5 U				< 1 U	< 1 U		< 2 U
MW-F14	MW-F14_8/17/06_NM	8/17/2006	N		< 5 U													
MW-F14	MW-F14 (072111)	7/21/2011	N		< 0.19 U		< 0.97 U	< 1.9 U		< 0.19 U	< 0.19 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F15	MW-F15_10/30/00_NM	10/30/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	710	99	< 1000 UJ	< 1 U	< 1 U	28	< 2 U
MW-F15	MW-F15_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F15	MW-F15_1/22/04_NM	1/22/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F15	MW-F15 (072211)	7/22/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F16	MW-F16_10/26/00_NM	10/26/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	270	4.2	< 1000 UJ	< 1 U	< 1 U	< 1 U	< 2 U
MW-F16	MW-F16_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F16	MW-F16_1/23/04_DUP	1/23/2004	FD		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F16	MW-F16_1/23/04_NM	1/23/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F16	MW-14_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F16	MW-F16_7/6/06_NM	7/6/2006	N		< 9.5 U					< 9.5 U	< 9.5 U				< 1 U	< 1 U		< 2 U
MW-F16	MW-F16 (072011)	7/20/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F17	MW-F17_11/1/00_NM	11/1/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	1300	18	< 1000 UJ	< 1 U	< 1 U	59	< 2 U

Table 4
Detected Compounds in Groundwater
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			Analyte CAS	Gasoline Range Organics ARC-GRO	Naphthalene 91-20-3	Nitrate/Nitrite ARC-NO3NO2N	N-Nitrosodi-N-Butylamine 924-16-3	N-Nitroso-N-methylethylamine 10595-95-6	pH ARC-pH	Phenanthrene 85-01-8	Pyrene 129-00-0	Residue, filterable ARC-RESIDUE	Sulfate 14808-79-8	Sulfide 18496-25-8	Tetrachloroethene 127-18-4	Toluene 108-88-3	Total Organic Carbon ARC-TOC	Total Xylenes 1330-20-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	SU	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8015	SW8270C	E353.2	SW8270C	SW8270C	FIELD	SW8270C	SW8270C	E160.1	E300.0	SW9030	SW8260B	SW8260B	SW9060	SW8260B
sys_loc_code	sys_sample_code	Sample Date	Sample Type															
MW-F17	MW-F17_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F17	MW-F17_1/22/04_NM	1/22/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F17	MW-F17 (072211)	7/22/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F19	MW-F19_10/31/00_NM	10/31/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	400	< 2.1 U	< 1000 UJ	< 1 U	< 1 U	3.8	< 2 U
MW-F19	MW-F19_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F19	MW-F19_1/20/04_NM	1/20/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F19	MW-3_6/30/04_NM	6/30/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F19	MW-F19 (071911)	7/19/2011	N		< 0.20 U		< 0.98 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-F20	MW-F20_11/1/00_NM	11/1/2000	N	< 50 U	< 10 U	< 0.05 U	< 10 U	< 10 U		< 10 U	< 10 U	300	< 1 U	< 1000 UJ	< 1 U	< 1 U	4.2	< 2 U
MW-F20	MW-F20_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F20	MW-F20_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F20	MW-F20_1/21/04_NM	1/21/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F20	MW-22_7/2/04_NM	7/2/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F20	MW-F20_8/17/06_NM	8/17/2006	N		< 5 U													
MW-F21	MW-F21_11/1/00_NM	11/1/2000	N	76	110	< 0.05 U	< 10 U	11		< 10 U	< 10 U	790	< 1 U	< 1000 UJ	< 1 U	< 1 U	460	< 2 U
MW-F21	MW-F21_1/25/01_NM	1/25/2001	N															
MW-F21	MW-F21_11/1/02_NM	11/1/2002	N		12		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F21	MW-F21_12/19/02_NM	12/19/2002	N		18		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-F21	MW-F21_1/22/04_NM	1/22/2004	N		12		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F21	MW-28_7/3/04_NM	7/3/2004	N		21		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-F21	MW-F21_8/16/06_NM	8/16/2006	N		110			< 10 U										
MW-F21	MW-F21_7/30/08_NM	7/30/2008	N		27				5.82									
MW-F21	MW-F21_11/19/08_NM	11/19/2008	N		3.6													
MW-F21	DUP-02 (072111)	7/21/2011	FD		400		< 9.5 U	< 19 U		< 1.9 U	< 1.9 U				< 1.0 U	< 1.0 U		2.2
MW-F21	MW-F21 (072111)	7/21/2011	N		430		< 48 U	< 96 U		< 9.6 U	< 9.6 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-22	MW-22_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-22	MW-11_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-22	MW-22 (072111)	7/21/2011	N		< 0.20 U		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-22	MWD-22_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-22	MW-10_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-22	MWD-22 (072111)	7/21/2011	N		< 0.20 U		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-23	MW-23_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-23	MW-9_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-23	MW-23 (072011)	7/20/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-23	MWD-23_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-23	MW-8_6/30/04_NM	6/30/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-23	MWD-23 (072011)	7/20/2011	N		< 0.19 U		< 0.97 U	< 1.9 U		< 0.19 U	< 0.19 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-24	MW-24_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-24	MW-5_6/30/04_NM	6/30/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-24	MW-24 (072011)	7/20/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-24	MWD-24_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-24	MW-4_6/30/04_NM	6/30/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-24	MWD-24 (072011)	7/20/2011	N		< 0.20 U		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-25	MW-25_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-25	MW-13_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-25	MW-25 (072011)	7/20/2011	N		< 0.20 U		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-25	MWD-25_11/1/02_NM	11/1/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-25	MW-12_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-25	MWD-25 (072011)	7/20/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-27	MW-27_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-27	MW-25_7/2/04_NM	7/2/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-27	MW-27_8/16/06_NM	8/16/2006	N		< 5 U													
MW-27	DUP-1_11/19/08_DUP	11/19/2008	FD															
MW-27	MW-27_11/19/08_NM	11/19/2008	N															
MW-27	MW-27 (072211)	7/22/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				2.9	< 1.0 U		< 2.0 U
MWD-27	MWD-27_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-27	MW-26_7/3/04_NM	7/3/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-27	MWD-27_8/16/06_NM	8/16/2006	N		< 5 U													
MWD-27	MWD-27 (072211)	7/22/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-28	MW-28_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MW-28	MW-16_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MW-28	MW-28 (072111)	7/21/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-28	MWD-28_12/19/02_NM	12/19/2002	N		< 10 U		< 10 U	< 10 U			< 10 U					< 5 U		< 10 U
MWD-28	MW-15_7/1/04_NM	7/1/2004	N		< 10 U		< 10 U	< 10 U		< 10 U	< 10 U				< 1 U	< 1 U		< 2 U
MWD-28	MWD-28 (072211)	7/22/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-29	MW-29_11/19/08_NM	11/19/2008	N		0.043 J													

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			Analyte CAS	Gasoline Range Organics ARC-GRO	Naphthalene 91-20-3	Nitrate/Nitrite ARC-NO3NO2N	N-Nitrosodi-N-Butylamine 924-16-3	N-Nitroso-N-methylethylamine 10595-95-6	pH ARC-pH	Phenanthrene 85-01-8	Pyrene 129-00-0	Residue, filterable ARC-RESIDUE	Sulfate 14808-79-8	Sulfide 18496-25-8	Tetrachloroethene 127-18-4	Toluene 108-88-3	Total Organic Carbon ARC-TOC	Total Xylenes 1330-20-7
			Unit	ug/l	ug/l	ug/l	ug/l	ug/l	SU	ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			Method	SW8015	SW8270C	E353.2	SW8270C	SW8270C	FIELD	SW8270C	SW8270C	E160.1	E300.0	SW9030	SW8260B	SW8260B	SW9060	SW8260B
sys_loc_code	sys_sample_code	Sample Date	Sample Type															
MW-29	MW-29 (072111)	7/21/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-29	MWD-29_11/19/08_NM	11/19/2008	N		< 0.19 U													
MWD-29	MWD-29 (072111)	7/21/2011	N		0.22		< 1.0 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
MWD-30	MWD-30_11/19/08_NM	11/19/2008	N		0.059 J													
MWD-30	MWD-30 (072211)	7/22/2011	N		< 0.19 U		< 0.96 U	< 1.9 U		< 0.19 U	< 0.19 U				< 1.0 U	< 1.0 U		< 2.0 U
MW-32	MW-32_11/19/08_NM	11/19/2008	N							< 0.19 U								
MW-32	MW-32 (072111)	7/21/2011	N		< 0.20 U		< 0.99 U	< 2.0 U		< 0.20 U	< 0.20 U				< 1.0 U	< 1.0 U		< 2.0 U
TMW-5	TMW-5_6/6/00_NM	6/6/2000	N															
TMW-5	TMW-5_7/6/00_NM	7/6/2000	N						7.64									
TMW-6	TMW-6_6/6/00_NM	6/6/2000	N															
TMW-6	TMW-6_7/6/00_NM	7/6/2000	N						7.44									
TMW-7	TMW-7_6/5/00_NM	6/5/2000	N															
TMW-7	TMW-7_6/6/00_NM	6/6/2000	N															
TMW-7	TMW-7_7/6/00_NM	7/6/2000	N						5.99									
TMW-10	TMW-10_6/6/00_NM	6/6/2000	N															
TMW-10	TMW-10_7/6/00_NM	7/6/2000	N						6.83									
TMW-11	TMW-11_6/6/00_NM	6/6/2000	N															
TMW-11	TMW-11_7/6/00_NM	7/6/2000	N						7.18									
TMW-12	TMW-12_6/6/00_NM	6/6/2000	N															
TMW-12	TMW-12_7/6/00_NM	7/6/2000	N						7.54									
TMW-13	TMW-13_6/6/00_NM	6/6/2000	N															
TMW-13	TMW-13_7/6/00_NM	7/6/2000	N						6.78									
TMW-14	TMW-14_6/6/00_NM	6/6/2000	N															
TMW-14	TMW-14_7/6/00_NM	7/6/2000	N						6.7									
TMW-15	TMW-15_6/6/00_NM	6/6/2000	N															
TMW-15	TMW-15_7/6/00_NM	7/6/2000	N						6.63									
TMW-16	TMW-16_6/6/00_NM	6/6/2000	N															
TMW-16	TMW-16_7/6/00_NM	7/6/2000	N						5.72									
TMW-17 Hard Resins	TMW-17 HARD RESINS	6/6/2000	N															

Blank Cell - Not analyzed for particluar constituent
Results are provided only for those compounds detected in at least one sample
FD = Field Duplicate
U = Not detected
D = Dilution
J = Estimated
B = Compound also detected in blank sample

Table 5
Detected Compounds in Surface Water - Dundee Canal
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

			Analyte	1,4-Dioxane	2-Butanone	Acetone	Ammonia Nitrogen	Arsenic	Barium	Benzene	Chloride	Diesel Range Organics	Ethylbenzene	Fluoride (F-, Anion)	Lead	Nickel	Phenol	Residue, filterable	Sulfate	Toluene	Total Organic Carbon	Zinc
			CAS	123-91-1	78-93-3	67-64-1	7664-41-7	7440-38-2	7440-39-3	71-43-2	16887-00-6	ARC-DRO	100-41-4	16984-48-8	7439-92-1	7440-02-0	108-95-2	ARC-RESIDUE	14808-79-8	108-88-3	ARC-TOC	7440-66-6
			Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
			Method	SW8270	SW8260	SW8260	E350.1	SW6010	SW6010	SW8260	E325.2	SW8015	SW8260	E340.2	SW6010	SW6010	SW8270	E160.1	E300.0	SW8260	SW9060	SW6010
Location	Sample ID	Sample Date	Sample Type																			
Dundee Canal Surface Water Samples																						
SW-F2	SW-F2_11/3/00_NM	11/3/2000	N	< 0.01 U	< 0.01 U	< 0.025 U	0.13	< 0.01 U	0.028	< 0.001 U	39	< 0.1 U	< 0.001 U	0.61	< 0.005 U	< 0.04 U	< 0.01 U	310	35	< 0.001 U	5.5	0.023
SW-F3	SW-F3_11/2/00_NM	11/2/2000	N	0.012	< 0.01 U	< 0.025 U	0.53	< 0.01 U	0.028	< 0.001 U	65	0.14	< 0.001 U	0.69	< 0.005 U	< 0.04 U	< 0.01 U	360	38	< 0.001 U	6.2	< 0.027 U
SW-F4	SW-F4_11/2/00_NM	11/2/2000	N	0.012	< 0.01 U	< 0.025 U	0.09	< 0.01 U	0.028	< 0.001 U	89	< 0.1 U	< 0.001 U	0.66	< 0.005 U	< 0.04 U	< 0.01 U	400	32	< 0.001 U	5.7	< 0.025 U
SW-F5	SW-F5_11/2/00_NM	11/2/2000	N	0.01	< 0.01 U	< 0.025 U	0.79	< 0.01 U	0.027	< 0.001 U	400	0.11	< 0.001 U	0.58	< 0.005 U	< 0.04 U	< 0.01 U	1100	74	< 0.001 U	5.8	< 0.026 U

Results are provided only for those compounds detected in at least one sample
U - Not Detected

Table 6
Detected Compounds in Sediment and Berm Soil Samples - Dundee Canal
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

			Analyte CAS Unit Method	1,1-Biphenyl 92-52-4 mg/kg SW8270	1,2,3,4,6,7,8-Heptachlorodibenzofuran 67562-39-4 mg/kg SW8280	1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin 35822-46-9 mg/kg SW8280	1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin 39227-28-6 mg/kg SW8280	1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin 57653-85-7 mg/kg SW8280	1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin 19408-74-3 mg/kg SW8280	1,2,3,7,8-Pentachlorodibenzo-p-Dioxin 40321-76-4 mg/kg SW8280	2,3,4,7,8-Pentachlorodibenzofuran 57117-31-4 mg/kg SW8280	2-Butanone 78-93-3 mg/kg SW8260	Acetone 67-64-1 mg/kg SW8260	Antimony 7440-36-0 mg/kg SW6010	Arsenic 7440-38-2 mg/kg SW6010	Barium 7440-39-3 mg/kg SW6010
Location	Sample ID	Sample Date	Sample Type													
Dundee Canal Sediment Samples																
SD-F2	SD-F2_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 1 U	NA	NA	NA	NA	NA	NA	NA	< 0.039 U	0.1	< 2.6 UJ	3	170
SD-F2/F3/F4/F5	SD-F2/F3/F4/F5_11/2/00_(0-0.5)COMP_H_NM	11/2/2000	N	NA	0.0000102	0.000917	0.000027	< 0.00000198 U	0.0000839	0.00000165 A	0.000000802 A	NA	NA	NA	NA	NA
SD-F3	SD-F3_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.94 U	NA	NA	NA	NA	NA	NA	NA	< 0.036 U	0.22	< 3.1 UJ	1.4	90
SD-F4	SD-F4_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.93 U	NA	NA	NA	NA	NA	NA	NA	< 0.035 U	0.078	< 2.6 UJ	2	29
SD-F5	SD-F5_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 1.3 U	NA	NA	NA	NA	NA	NA	NA	< 0.049 U	0.12	< 3.9 UJ	5.2	100
Dundee Canal Soil Berm Samples																
SD-F6	SD-F6_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.49 D	1.4 E	< 2.5 UJ	1.8	39
SD-F6/F7/F8	SD-F6/F7/F8_11/2/00_(0-0.5)COMP_H_NM	11/2/2000	N	NA	0.00000318	0.00138	0.0000214	0.0000146	0.0000522	0.00000713	< 0.000000346 U	NA	NA	NA	NA	NA
SD-F7	SD-F7_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	0.031	0.35	< 2.2 UJ	2.5	81
SD-F8	SD-F8_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	< 0.035 U	< 0.07 U	< 2.7 UJ	3.7	42

Results are provided only for those compounds detected in at least one sample
NA - Not Analyzed for Particular Constituent
U - Not Detected
A = Amount detected is below method calibration limit
J - Result is Estimated
D - Dilution
E = Compound exceeds the calibration range of the GC/MS instrument

Table 6
Detected Compounds in Sediment and Berm Soil Samples - Dundee Canal
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

			Analyte CAS Unit Method	Benzene 71-43-2 mg/kg SW8260	Benzo(a)Pyrene 50-32-8 mg/kg SW8270	Beryllium 7440-41-7 mg/kg SW6010	Bis(2-Ethylhexyl)phthalate 117-81-7 mg/kg SW8270	Cadmium 7440-43-9 mg/kg SW6010	Chromium 7440-47-3 mg/kg SW6010	Cobalt 7440-48-4 mg/kg SW6010	Copper 7440-50-8 mg/kg SW6010	Diesel Range Organics ARC-DRO mg/kg SW8015	Diphenyl Ether 101-84-8 mg/kg SW8270	Ethylbenzene 100-41-4 mg/kg SW8260	Gasoline Range Organics ARC-GRO mg/kg SW8015	Heptachlorodibenzofurans 38998-75-3 mg/kg SW8280
Location	Sample ID	Sample Date	Sample Type													
Dundee Canal Sediment Samples																
SD-F2	SD-F2_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.0076 U	< 0.52 U	0.63	0.54	< 0.71 U	7.6	8.9	3.2	10 J	< 1 U	< 0.0076 U	< 0.39 U	NA
SD-F2/F3/F4/F5	SD-F2/F3/F4/F5_11/2/00_(0-0.5)COMP_H_NM	11/2/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000376
SD-F3	SD-F3_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.007 U	< 0.47 U	0.68	< 0.47 U	< 0.65 U	5.5	1.8	3.7	17 J	< 0.94 U	< 0.007 U	< 0.38 U	NA
SD-F4	SD-F4_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.0069 U	< 0.46 U	< 0.56 U	< 0.46 U	< 0.7 U	5.2	1.3	7	580 J	4	< 0.0069 U	< 0.38 U	NA
SD-F5	SD-F5_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.01 U	0.8	0.89	< 0.65 U	< 0.98 U	15	2.3	11	9.2 J	< 1.3 U	< 0.01 U	< 0.48 U	NA
Dundee Canal Soil Berm Samples																
SD-F6	SD-F6_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	0.38 D	NA	< 0.5 U	NA	< 0.62 U	7.9	1.4	16	30000 J	NA	2.5 D	22	NA
SD-F6/F7/F8	SD-F6/F7/F8_11/2/00_(0-0.5)COMP_H_NM	11/2/2000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000143
SD-F7	SD-F7_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.0051 U	NA	0.93	NA	< 0.56 U	5.9	3.3	< 2.5 U	220 J	NA	< 0.0051 U	< 0.31 U	NA
SD-F8	SD-F8_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	< 0.007 U	NA	< 0.55 U	NA	< 0.62 U	7.9	2.3	< 2.7 U	5.2 J	NA	< 0.007 U	< 0.34 U	NA

Results are provided only for those compounds detected in at least one sample
NA - Not Analyzed for Particular Constituent
U - Not Detected
A = Amount detected is below method calibration limit
J - Result is Estimated
D - Dilution
E = Compound exceeds the calibration range of the GC/MS instrument

Table 6
Detected Compounds in Sediment and Berm Soil Samples - Dundee Canal
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

			Analyte CAS Unit Method	Heptachlorodibenzo-p-dioxins 37871-00-4 mg/kg SW8280	Hexachlorodibenzofurans 55684-94-1 mg/kg SW8280	Hexachlorodibenzo-p-dioxins 34465-46-8 mg/kg SW8280	Lead 7439-92-1 mg/kg SW6010	Mercury 7439-97-6 mg/kg SW7471	Naphthalene 91-20-3 mg/kg SW8270	Nickel 7440-02-0 mg/kg SW6010	Octachlorodibenzofuran 39001-02-0 mg/kg SW8280	Octachlorodibenzo-p-Dioxin 3268-87-9 mg/kg SW8280	Pentachlorodibenzofurans, Total 30402-15-4 mg/kg SW8280	Pentachlorodibenzo-p-dioxins, Total 36088-22-9 mg/kg SW8280	pH ARC-pH mg/kg SW9045	Tetrachlorodibenzofurans, Total 55722-27-5 mg/kg SW8280
Location	Sample ID	Sample Date	Sample Type													
Dundee Canal Sediment Samples																
SD-F2	SD-F2_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	14	0.074	< 0.52 U	< 6.2 U	NA	NA	NA	NA	6.87	NA
SD-F2/F3/F4/F5	SD-F2/F3/F4/F5_11/2/00_(0-0.5)COMP_H_NM	11/2/2000	N	0.00147	0.0000141	0.000534	NA	NA	NA	NA	0.0000281	0.0219	0.000011	0.0000592	NA	0.0000037
SD-F3	SD-F3_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	12	0.076	< 0.47 U	< 5.7 U	NA	NA	NA	NA	7.14	NA
SD-F4	SD-F4_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	43	0.092	< 0.46 U	< 5.6 U	NA	NA	NA	NA	7.24	NA
SD-F5	SD-F5_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	37	0.16	< 0.65 U	< 7.8 U	NA	NA	NA	NA	6.88	NA
Dundee Canal Soil Berm Samples																
SD-F6	SD-F6_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	37	3.6	< 4.1 U	8.4	NA	NA	NA	NA	5.84	NA
SD-F6/F7/F8	SD-F6/F7/F8_11/2/00_(0-0.5)COMP_H_NM	11/2/2000	N	0.00419	0.00000406	0.000936	NA	NA	NA	NA	0.00000696	0.136 J	0.00000194	0.000136	NA	0.00000201
SD-F7	SD-F7_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	16	0.067	< 0.41 U	< 4.9 U	NA	NA	NA	NA	6.47	NA
SD-F8	SD-F8_11/2/00_(0-0.5)GRAB_NM	11/2/2000	N	NA	NA	NA	15	0.061	< 0.45 U	< 5.5 U	NA	NA	NA	NA	5.13	NA

Results are provided only for those compounds detected in at least one sample
NA - Not Analyzed for Particular Constituent
U - Not Detected
A = Amount detected is below method calibration limit
J - Result is Estimated
D - Dilution
E = Compound exceeds the calibration range of the GC/MS instrument

Table 7
Delineation Standards for Soil and Groundwater
Voluntary Investigation and Remediation Plan
Hercules - Savannah,GA

Detected Regulated Substance	Soil Type 1 RRS (mg/kg)	Groundwater Type 1 RRS (mg/L)
Volatile Organic Compounds		
Acetone	400	4
Acetonitrile	20	0.2
Acetophenone	400	4
Acrolein	0.1	0.7
Benzene	0.5	0.005
Biphenyl	0.33	0.01
Carbon disulfide	400	4
Chlorobenzene	10	0.1
trans-1,4-Dichlorobutene	0.11	0.002
1,2-Dichloropropane	0.5	0.005
1,4-dichloro-2-butene	?	?
Ethylbenzene	70	0.7
Isobutyl alcohol	1000	10
Methyl ethyl ketone	200	2
Methyl isobutyl ketone	200	2
Styrene	14	0.1
Toluene	100	1
Tetrachloroethene	?	?
Xylenes (total)	1000	10
m-Xylene	20	0.002
o-Xylene	20	0.001
p-Xylene	20	0.001
m & p-Xylenes	0.01	0.002
Semi Volatile Organic Compounds		
Aniline	0.66	0.006
Bis(2-ethylhexyl)phthalate	50	0.006
Butyl benzyl phthalate	50	0.1
m & p-Cresols	13.2	0.01
m-Cresol	3.8	0.01
o-Cresol	3.8	0.01
p-Cresol	3.8	0.01
Dibenzofuran	0.33	0.01
2,4-Dimethylphenol	70	0.7
m-Dinitrobenzene	1.05	0.001
Di-n-octyl phthalate	70	0.7
1,4-Dioxane	7	0.05
Formaldehyde	100	1
N-Nitrosodi-n-butylamine	0.33	0.000006
N-Nitroso-n-methylethylamine	0.33	0.000002
Polycyclic Aromatic Hydrocarbons		
Acenaphthene	300	2
Acenaphthylene	130	0.01
Anthracene	500	0.01
Benzo(a)anthracene	5	0.0001
Benzo(a)pyrene	1.64	0.0002
Benzo(b)fluoranthene	5	0.0002
Benzo(g,h,i)perylene	500	0.01
Benzo(k)fluoranthene	5	0.01
Chrysene	5	0.0002
Dibenzo(a,h)anthracene	2	0.0003
Fluoranthene	500	1
Fluorene	360	1
Indeno(1,2,3-cd)pyrene	5	0.0004

Table 7
Delineation Standards for Soil and Groundwater
Voluntary Investigation and Remediation Plan
Hercules - Savannah,GA

Detected Regulated Substance	Soil Type 1 RRS (mg/kg)	Groundwater Type 1 RRS (mg/L)
Naphthalene	100	0.02
Phenanthrene	110	0.01
Pyrene	500	1
Dioxins		
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.00011	0.00000003
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.00011	0.000000015
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.000064	0.000000003
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.000064	0.000000003
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.000064	0.000000003
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	0.0000064	0.000000003
1,2,3,4,6,7,8-Octachlorodibenzo-p-dioxin (OCDD)	0.00000019	9E-12
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	0.000064	0.000000003
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.000019	0.000000015000
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.00019	0.000000015
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.000064	0.000000003
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.000064	0.000000003
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.000064	0.000000003
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.000064	0.000000003
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.0000064	3E-10
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.0000064	0.000000000
1,2,3,4,6,7,8-Octachlorodibenzofuran (OCDF)	0.00000019	0.0000000000
Total Tetrachlorodibenzo-p-dioxin (TCDD)	0.00011	0.0000000300
Total Pentachlorodibenzo-p-dioxin (PeCDD)	0.00011	0.000000015000
Total Hexachlorodibenzo-p-dioxin (HxCDD)	0.000064	0.000000003
Total Heptachlordibenzo-p-dioxin (HpCDD)	0.0000064	0.000000003
Total Tetrachlorodibenzofuran (TCDF)	0.000064	0.000000003
Total Pentachlorodibenzofuran (PeCDF)	0.000019	0.000000015
Total Hexachlorodibenzofuran (HxCDF)	0.000064	0.000000003
Total Heptachlorodibenzofuran (HpCDF)	0.0000064	3E-10
Toxicity Equivalent Quotient	0.0013	0.000000030
Pesticides		
Endrin	10	0.002
Endrin aldehyde	10	0.0001
4,4'-DDT	0.66	0.0001
Methoxychlor	10	0.04
Parathion	20	0.2
Polychlorinated Biphenyls		
Aroclor 1254	0.033	0.001
Aroclor 1260	0.033	0.001
Inorganics		
Ammonia (as N)	3000	30
Asbestos	0.01	7
Fluoride	NA	4

Table 8
Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Detected Constituent	Regulated Substance?	Soil Risk Reduction Standards (RRS) Type 1 RRS (mg/kg)	Source of Type 1 Standard	Type 2 RRS (mg/kg)	Source of Type 2 Standard	Type 3 RRS (mg/kg) Surface	Source of Type 3 Standard	Type 3 RRS (mg/kg) Subsurface	Source of Type 3 Standard	Type 4 RRS (mg/kg)	Source of Type 4 Standard	Groundwater Risk Reduction Standards (RRS) Type 1 RRS (mg/L)	Source of Type 1 Standard	Type 2 RRS (mg/L)	Source of Type 2 Standard	Type 3 RRS (mg/L)	Source of Type 3 Standard	Type 4 RRS (mg/L)	Source of Type 4 Standard	Practical Quantitation Limits (PQLs) Soil mg/kg	Groundwater mg/L
Volatile Organic Compounds																					
Acetone	Yes	400	GW	400	Type 1	400	GW	400	GW	400	400	4	A-III	8	RRSc	4	A-III	46	RRS	0.05	0.03
Acetonitrile	Yes	20	GW	20	Type 1	20	GW	20	GW	20	20	0.2	A-III	0.2	Type 1	0.2	A-III	0.2	Type 3	0.20	0.04
Acetophenone	Yes	400	GW	400	Type 1	400	GW	400	GW	400	400	4	A-III	4	Type 1	4	A-III	10	RRS	0.33	0.01
Acrolein	Yes	0.1	DL	0.1	Type 1	0.065	PRGnc-Ind	70	GW	70	70	0.7	A-III	0.7	Type 1	0.7	A-III	0.7	Type 3	0.10	0.02
Benzene	Yes	0.5	GW	0.5	Type 1	0.5	GW	0.5	GW	0.5	0.5	0.005	A-III	0.0054	RRSa	0.005	A-III	0.0087	RRS	0.01	0.00
Biphenyl	Soon to be	0.33	DL	2.1	SSL	0.33	PRGnc-Ind	0.33	DL	0	0.33	0.01	DL	0.01	Type 1	0.01	DL	0.01	Type 3	0.33	0.01
Carbon disulfide	Yes	400	GW	400	Type 1	400	GW	400	GW	400	400	4	A-III	4	Type 1	4	A-III	4	Type 3	0.01	0.00
Chlorobenzene	Yes	10	GW	10	Type 1	10	GW	10	GW	10	10	0.1	A-III	0.1	Type 1	0.1	A-III	0.14	RRS	0.01	0.00
trans-1,4-Dichlorobutene	Yes	0.113	DL	0.11	Type 1	0.141673	PRGc-Ind	25	A-I	25	25	0.002	DL	0.002	Type 1	0.002	DL	0.002	Type 3	0.01	0.00
1,2-Dichloropropane	Yes	0.5	GW	0.5	Type 1	0.5	GW	0.5	GW	0.5	0.5	0.005	A-III	0.005	Type 1	0.005	A-III	0.0074	RRS	0.01	0.00
1,4-Dichloro-2-butene	Soon to be	0.11	PRGc-Res	0.11	Type 1	0.141542	PRGc-Ind	25	A-I	25	25	0.001	DL	0.001	Type 1	0.001	DL	0.001	Type 3	0.01	0.00
Ethylbenzene	Yes	70	GW	70	Type 1	70	GW	70	GW	70	70	0.7	A-III	0.7	Type 1	0.7	A-III	0.7	Type 3	0.01	0.00
Ethyl Methacrylate	Yes	1000	A-I	1,000	Type 1	1,000	A-I	1,000	A-I	1,000	1000	3	A-III	3	Type 1	3	A-III	9.2	RRS	0.01	0.00
Isobutyl alcohol	Yes	1000	GW	1000	Type 1	1000	GW	1000	GW	1000	1000	10	A-III	10	Type 1	10	A-III	31	RRS	0.20	0.04
Methyl ethyl ketone	Yes	200	GW	200	Type 1	200	GW	200	GW	200	200	2	A-III	2.3	RRSc	2	A-III	12	RRS	0.03	0.01
Methyl isobutyl ketone	Yes	200	GW	200	Type 1	200	GW	200	GW	200	200	2	A-III	2	Type 1	2	A-III	4.2	RRS	0.03	0.01
Styrene	Yes	14	A-I	14	Type 1	14	A-I	14	A-I	14	14	0.1	A-III	0.5	RRSc	0.1	A-III	2.6	RRS	0.01	0.00
Tetrachloroethene	Yes	0.5	GW	1	Type 1	1	GW	1	GW	1	0.5	0.005	A-III	0.019	RRSc	0.005	A-III	0.098	RRS	0.01	0.00
Toluene	Yes	100	GW	100	Type 1	100	GW	100	GW	100	100	1	A-III	1	Type 1	1	A-III	5.2	RRS	0.01	0.00
Xylenes (total)	Yes	1000	GW	1000	Type 1	1000	GW	1000	GW	1000	1000	10	A-III	10	Type 1	10	A-III	10	Type 3	0.01	0.00
m-Xylene	Yes	20	A-I	20	Type 1	20	A-I	20	A-I	20	20	0.001	DL	0.058	RRSc	0.001	DL	0.29	RRS	0.01	0.00
o-Xylene	Yes	20	A-I	20	Type 1	20	A-I	20	A-I	20	20	0.001	DL	0.058	RRSc	0.001	DL	0.29	RRS	0.01	0.00
p-Xylene	Yes	20	A-I	20	Type 1	20	A-I	20	A-I	20	20	0.001	DL	0.058	RRSc	0.001	DL	0.29	RRS	0.01	0.00
m & p-Xylenes	Yes	20	A-I	20	Type 1	20	A-I	20	A-I	20	20	0.002	DL	0.27	RRSa	0.002	DL	0.29	RRS	0.01	0.00
Semi Volatile Organic Compounds																					
Aniline	Yes	0.66	DL	0.66	Type 1	0.66	PRGc-Ind	0.66	DL	0.66	0.66	0.006	A-III	0.11	RRSc	0.006	A-III	0.5	RRS	0.66	0.02
Bis(2-ethylhexyl)phthalate	Yes	50	A-I	50	Type 1	50	A-I	50	A-I	50	50	0.006	A-III	0.061	RRSa	0.006	A-III	0.2	RRS	0.33	0.01
Butyl benzyl phthalate	Yes	50	A-I	50	Type 1	50	A-I	50	A-I	50	50	0.1	A-III	0.45	RRSa	0.1	A-III	1.5	RRS	0.33	0.01
Total Cresols	Yes	3.8	A-I	3.8	Type 1	3.8	A-I	3.8	A-I	8.1300425	8.1	0.01	DL	1.6	RRSc	0.01	DL	10	RRS	0.33	0.01
m & p-Cresols	Yes	13.2	A-I	13	Type 1	13.2	A-I	13.2	A-I	13.2	13.2	0.01	DL	1.6	c	0.01	DL	10	RRS	0.33	0.01
m-Cresol	Yes	3.8	A-I	3.8	Type 1	3.8	A-I	3.8	A-I	4.08409546	4.1	0.01	DL	0.78	c	0.01	DL	5.1	RRS	0.33	0.01
o-Cresol	Yes	3.8	A-I	3.8	Type 1	3.8	A-I	3.8	A-I	4.14632168	4.1	0.01	DL	0.78	c	0.01	DL	5.1	RRS	0.33	0.01
p-Cresol	Yes	3.8	A-I	3.8	Type 1	3.8	A-I	3.8	A-I	3.8	3.8	0.01	DL	0.064	RRSc	0.01	DL	0.51	RRS	0.33	0.01
Dibenzofuran	Soon to be	0.33	DL	4	SSL	0.33	PRGnc-Ind	0.33	DL	2	1.9	0.01	DL	0.016	RRSc	0.01	DL	0.1	RRS	0.33	0.01
2,4-Dimethylphenol	Yes	70	GW	70	Type 1	70	GW	70	GW	70	70	0.7	A-III	0.7	Type 1	0.7	A-III	2	RRS	0.33	0.01
m-Dinitrobenzene	Yes	1.05	A-I	1.05	Type 1	1.05	A-I	1.05	A-I	1.05	1.05	0.001	A-III	0.0016	RRSc	0.001	A-III	0.01	RRS	0.33	0.01
Di-n-octyl phthalate	Yes	70	GW	33500	SSL	70	GW	70	GW	70	70	0.01	DL	0.01	Type 1	0.01	DL	0.01	Type 3	0.33	0.01
1,4-Dioxane	Yes	7	GW	7	Type 1	7	GW	7	GW	7	7	0.07	A-III	0.07	Type 1	0.07	A-III	0.07	Type 3	0.05	0.05
Formaldehyde	Yes	100	GW	100	Type 1	100	GW	100	GW	100	100	1	A-III	1	Type 1	1	A-III	20	RRS	0.10	0.05
N-Nitrosodi-n-butylamine	Yes	0.33	DL	0.33	Type 1	0.33	PRGc-Ind	0.33	DL	0.33	0.33	0.000006	A-III	3.2E-05	RRSa	0.000006	A-III	4.7E-05	RRS	0.33	0.01
N-Nitroso-n-methylethylamine	Yes	0.33	DL	0.33	Type 1	0.33	PRGc-Ind	0.33	DL	0.33	0.33	0.000002	A-III	3.9E-05	RRSa	0.000002	A-III	0.00013	RRS	0.33	0.01
Polycyclic Aromatic Hydrocarbons						0.33	PRGc-Ind	0.33	DL												
Acenaphthene	Yes	300	A-I	410	SSL	300	A-I	300	A-I	300	300	2	A-III	2	Type 1	2	A-III	6.1	RRS	0.33	0.01
Acenaphthylene	Yes	130	A-I	130	Type 1	130	A-I	130	A-I	130	130	0.01	DL	0.01	Type 1	0.01	DL	0.01	Type 3	0.33	0.01
Anthracene	Yes	500	A-I	500	Type 1	500	A-I	500	A-I	1020.5261	1020	0.01	DL	4.7	RRSc	0.01	DL	31	RRS	0.33	0.01
Benzo(a)anthracene	Yes	5	A-I	5	Type 1	5	A-I	5	A-I	5	5	0.0001	A-III	0.0012	RRSa	0.0001	A-III	0.0039	RRS	0.33	0.01
Benzo(a)pyrene	Yes	1.64	A-I	1.6	Type 1	1.64	A-I	1.64	A-I	1.64	1.64	0.0002	A-III	0.0002	Type 1	0.0002	A-III	0.00039	RRS	0.33	0.01
Benzo(b)fluoranthene	Yes	5	A-I	5	Type 1	5	A-I	5	A-I	5	5	0.0002	A-III	0.0012	RRSa	0.0002	A-III	0.0039	RRS	0.33	0.01
Benzo(g,h,i)perylene	Yes	500	A-I	1540	SSL	500	A-I	500	A-I	500	500	0.01	DL	0.01	Type 1	0.01	DL	0.01	Type 3	0.33	0.01
Benzo(k)fluoranthene	Yes	5	A-I	120	RRSc	5	A-I	5	A-I	46	46	0.01	DL	0.012	RRSa	0.01	DL	0.039	RRS	0.33	0.01
Chrysene	Yes	5	A-I	43	SSL	5	A-I	5	A-I	140.868007	141	0.0002	A-III	0.12	RRSa	0.0002	A-III	0.39	RRS	0.33	0.01
Dibenzo(a,h)anthracene	Yes	2	PRGc-Res	2	Type 1	5	A-I	5	A-I	5	5	0.0003	A-III	0.0003	Type 1	0.0003	A-III	0.00039	RRS	0.33	0.01
Fluoranthene	Yes	500	A-I	2220	SSL	500	A-I	500	A-I	500	500	1	A-III	1	Type 1	1	A-III	4.1	RRS	0.33	0.01
Fluorene	Yes	360	A-I	370	SSL	360	A-I	360	A-I	360	360	1	A-III	1	Type 1	1	A-III	4.1	RRS	0.33	0.01
Indeno(1,2,3-cd)pyrene	Yes	5	A-I	12	RRSc	5	A-I	5	A-I	15	15	0.0004	A-III	0.0005	RRSc	0.0004	A-III	0.0039	RRS	0.33	0.01
Naphthalene	Yes	100	A-I	100	Type 1	100	A-I	100	A-I	100	100	0.02	A-III	0.02	Type 1	0.02	A-III	0.02	Type 3	0.33	0.01
Phenanthrene	Yes	110	A-I	110	Type 1	110	A-I	110	A-I	110	110	0.01	DL	0.01	Type 1	0.01	DL	0.01	Type 3	0.33	0.01
Pyrene	Yes	500	A-I	2180	SSL	500	A-I	500	A-I	500	500	1	A-III	1	Type 1	1	A-III	3.1	RRS	0.33	0.01

Table 8
Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Detected Constituent	Regulated Substance?	Soil Risk Reduction Standards (RRS) Type 1 RRS (mg/kg)	Source of Type 1 Standard	Type 2 RRS (mg/kg)	Source of Type 2 Standard	Type 3 RRS (mg/kg) Surface	Source of Type 3 Standard	Type 3 RRS (mg/kg) Subsurface	Source of Type 3 Standard	Type 4 RRS (mg/kg)	Source of Type 4 Standard	Groundwater Risk Reduction Standards (RRS) Type 1 RRS (mg/L)	Source of Type 1 Standard	Type 2 RRS (mg/L)	Source of Type 2 Standard	Type 3 RRS (mg/L)	Source of Type 3 Standard	Type 4 RRS (mg/L)	Source of Type 4 Standard	Practical Quantitation Limits (PQLs) Soil mg/kg	Groundwater mg/L
Dioxins																					
2,3,7,8-TCDD Toxicity Equivalents	Yes	0.00008	A-I	0.00008	Type 1	0.00008	A-I	0.00008	A-I	0.0002193	0.000219	3E-08	A-III	3E-08	Type 1	3E-08	A-III	3E-08	Type 3	0.00	0.00
Pesticides																					
Endrin	Yes	10	A-I	10	Type 1	10	A-I	10	A-I	10	10	0.002	A-III	0.0047	RRSc	0.002	A-III	0.031	RRS	0.00	0.00
Endrin aldehyde	Yes	10	A-I	10	Type 1	10	A-I	10	A-I	10	10	0.0001	DL	0.0001	Type 1	0.0001	DL	0.0001	Type 3	0.00	0.00
4,4'-DDT	Yes	0.66	A-I	0.84	SSL	0.66	A-I	0.66	A-I	2.83416025	2.8	0.0001	A-III	0.0025	RRSa	0.0001	A-III	0.0084	RRS	0.00	0.00
Methoxychlor	Yes	10	A-I	43	SSL	10	A-I	10	A-I	27.5298004	28	0.04	A-III	0.078	RRSc	0.04	A-III	0.51	RRS	0.00	0.00
Parathion	Yes	20	GW	20	SSL	20	GW	20	GW	20	20	0.2	A-III	0.2	Type 1	0.2	A-III	0.61	RRS	0.33	0.01
Polychlorinated Biphenyls																					
Aroclor 1254	Yes	1.55	A-I	1.6	RRSc	1.55	A-I	1.55	A-I	1.55	1.55	0.0005	A-III	0.0005	Type 1	0.0005	A-III	0.0014	RRS	0.03	0.00
Aroclor 1260	Yes	1.55	A-I	4.6	RRSc	1.55	A-I	1.55	A-I	1.55	1.55	0.0005	A-III	0.0005	Type 1	0.0005	A-III	0.0014	RRS	0.03	0.00
Total PCBs	Yes	1.55	A-I	1.55	Type 1	1.55	A-I	1.55	A-I	1.55	1.55	0.0005	A-III	0.0005	Type 1	0.0005	A-III	0.0014	RRS	0.03	0.00
Inorganics																					
Ammonia (as N)	Yes	3000	GW	6060	SSL	3000	GW	3000	GW	3000	3000	30	A-III	30	Type 1	30	A-III	30	Type 3	0.00	0.05
Asbestos	Yes	0.01	DL	0.01	DL	NA	NA	NA	NA	0.01	0.01	7	A-III	7	Type 1	7	A-III	7	Type 3	0.00	1.37
Fluoride	Yes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	A-III	4	Type 1	4	A-III	4.1	RRS	0.00	0.20

mg/kg Milligrams per kilogram.
mg/L Milligrams per liter.
NA Not applicable.

Table 9
Preliminary VIRP Cost Estimate
Voluntary Investigation and Remediation Plan
Hercules - Savannah, GA

Task Description	Subtasks	Subtotal	Estimated Cost
Prepare Investigation Work Plan			$15,000
Field Activities			$28,500
	Mobilize for data collection	$3,000	
	Confirmatory soil sampling	$20,500	
	Slug testing	$1,500	
	Well gauging	$1,000	
	Surface water/ sediment sampling	$2,500	
Semiannual groundwater sampling			$34,000
	Semiannual event #1	$8,500	
	Semiannual event #2	$8,500	
	Semiannual event #3	$8,500	
	Semiannual event #4	$8,500	
Data analysis			$17,500
	Delineation assessment	$10,000	
	Human health risk assessment	$3,500	
	Ecological risk assessment	$2,500	
	CSM update	$1,500	
Reporting			$35,000
	Semiannual Report #1	$5,000	
	Semiannual Report #2	$5,000	
	Semiannual Report #3	$5,000	
	Semiannual Report #4	$5,000	
	Draft and final CSR	$15,000	
	Total Estimated Cost:		$130,000

Figures

LEGEND

HSI 10696 Site Boundary

PROJECTION: NAD83 State Plane Georgia East Feet

SOURCES:
1) Digital Raster Graphic County Mosaic (NRCS), drg_s_ga051.sid
2) Parcels: SAGIS (2008).

REFERENCE:
U.S.G.S. 7.5 Minute Series Topographic Quadrangles:
Garden City, Georgia 1981,
Savannah, Georgia 1979.
CONTOUR INTERVAL: 20 foot.

0 1,500 3,000

SCALE IN FEET

HERCULES - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Site Location Map

ARCADIS

FIGURE

1

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F1 GA60_VRP REG.mxd - 4/4/2012 @ 10:38:07 AM

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS AND AERIAL SOURCE: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- HSI 10696 Site Boundary
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

0 200 400
SCALE IN FEET

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

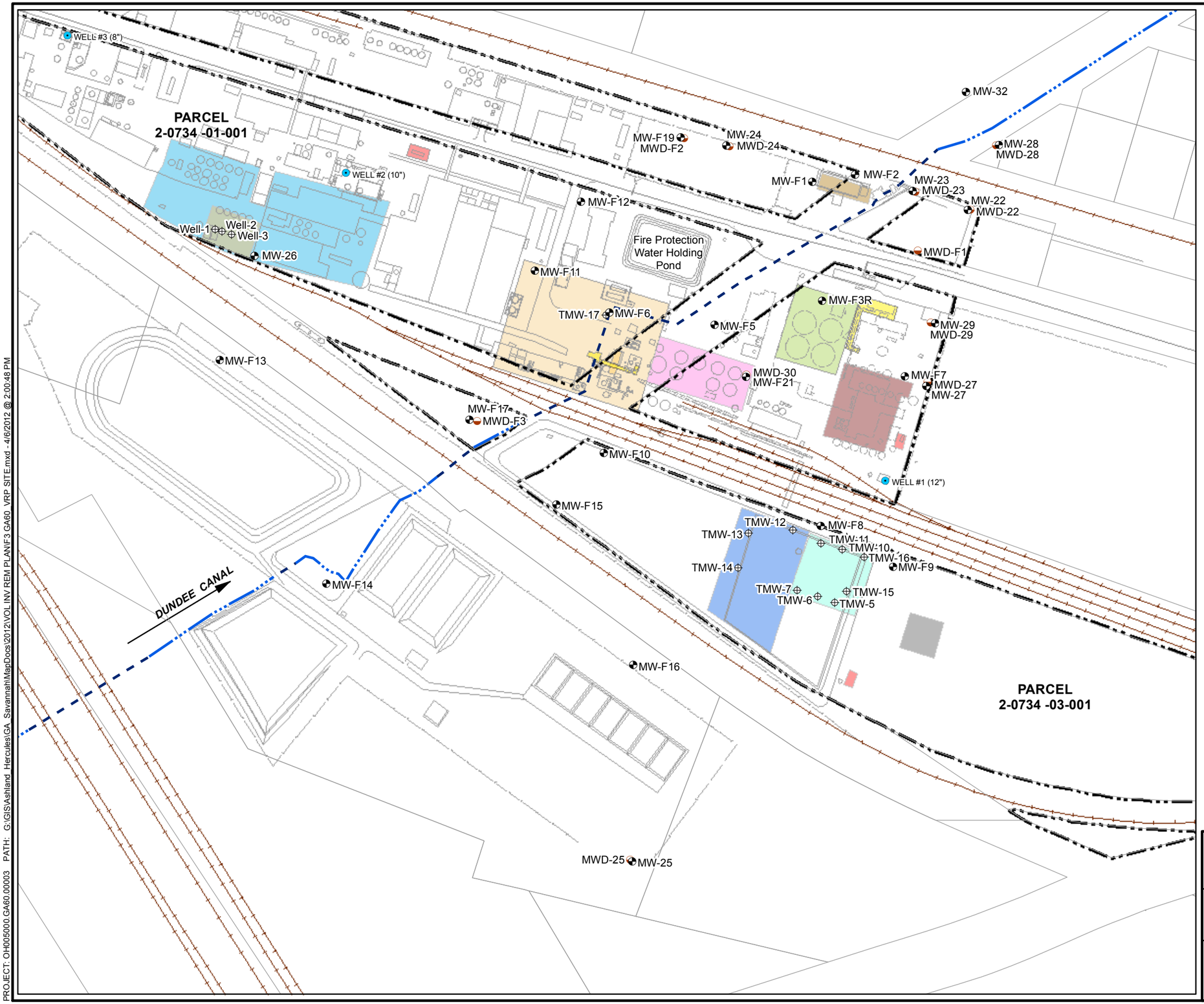
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Site Layout – Aerial View

ARCADIS

FIGURE
2

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV\REM PLAN\F2 GA60_VRP Aerial.mxd - 4/5/2012 @ 3:29:41 PM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (shallow)
- Monitoring Well (deep)
- Temporary Monitoring Well (shallow)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

0 160 320

SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

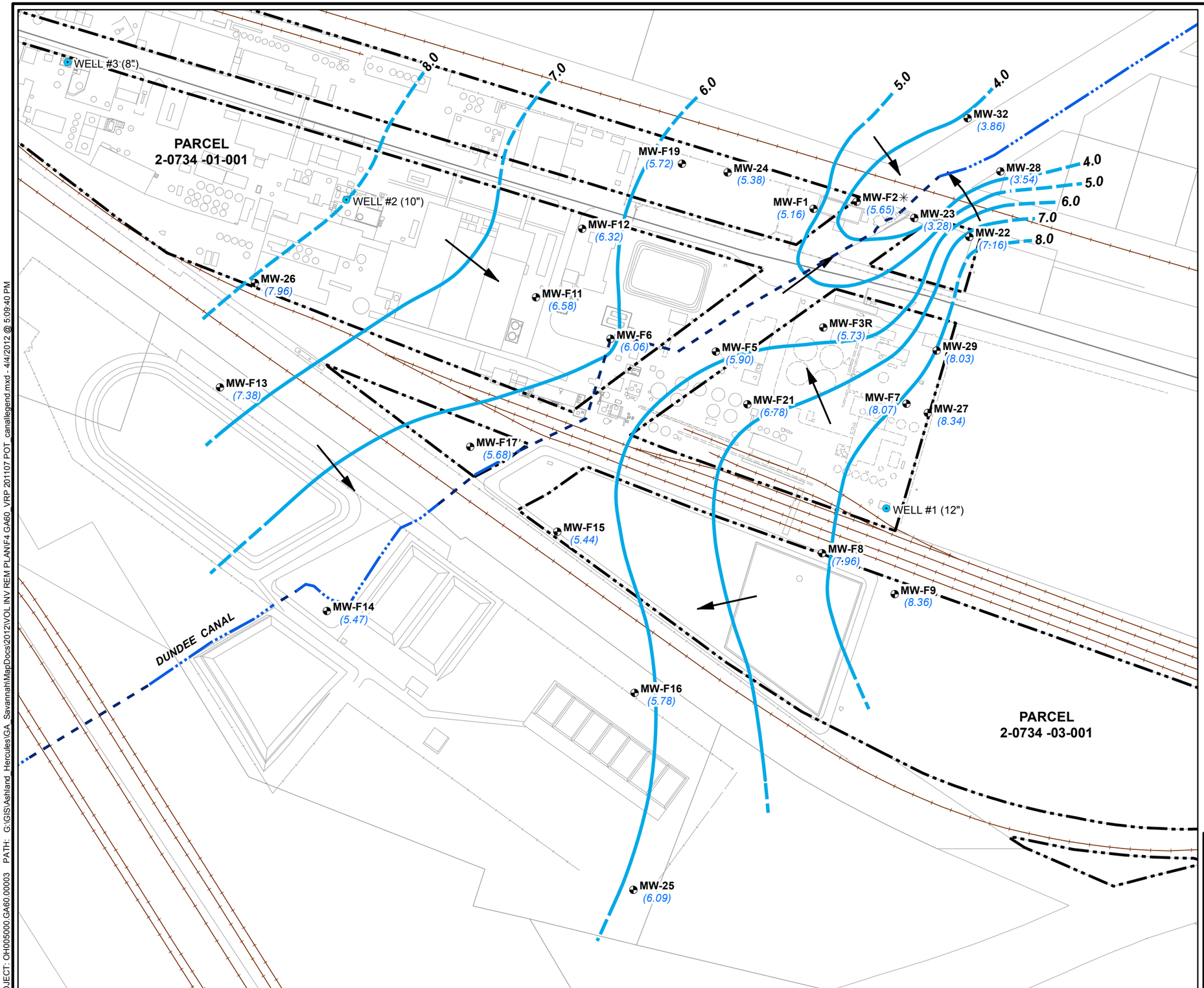
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Site Map

ARCADIS

FIGURE
3

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F3 GA60_VRP SITE.mxd - 4/6/2012 @ 2:00:48 PM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (shallow)
- Production Well
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Groundwater Contour Line (ft amsl)
- (inferred where dashed)
- Groundwater Flow Direction
- *8.34* Groundwater Elevation (ft amsl) Measured July 27, 2011
- ✳ Not Used to Construct Contours

NOTE:
MW-F2 was not included due to anomalous readings (perched water table).

0 160 320
SCALE IN FEET

BASE REFERENCE:
1) Ashland (baseplot.dwg); Newfields (toplot.dwg).
2) Parcels: SAGIS (2008).
3) Wells: Bateman Civil Survey Company, PC (July 2011).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

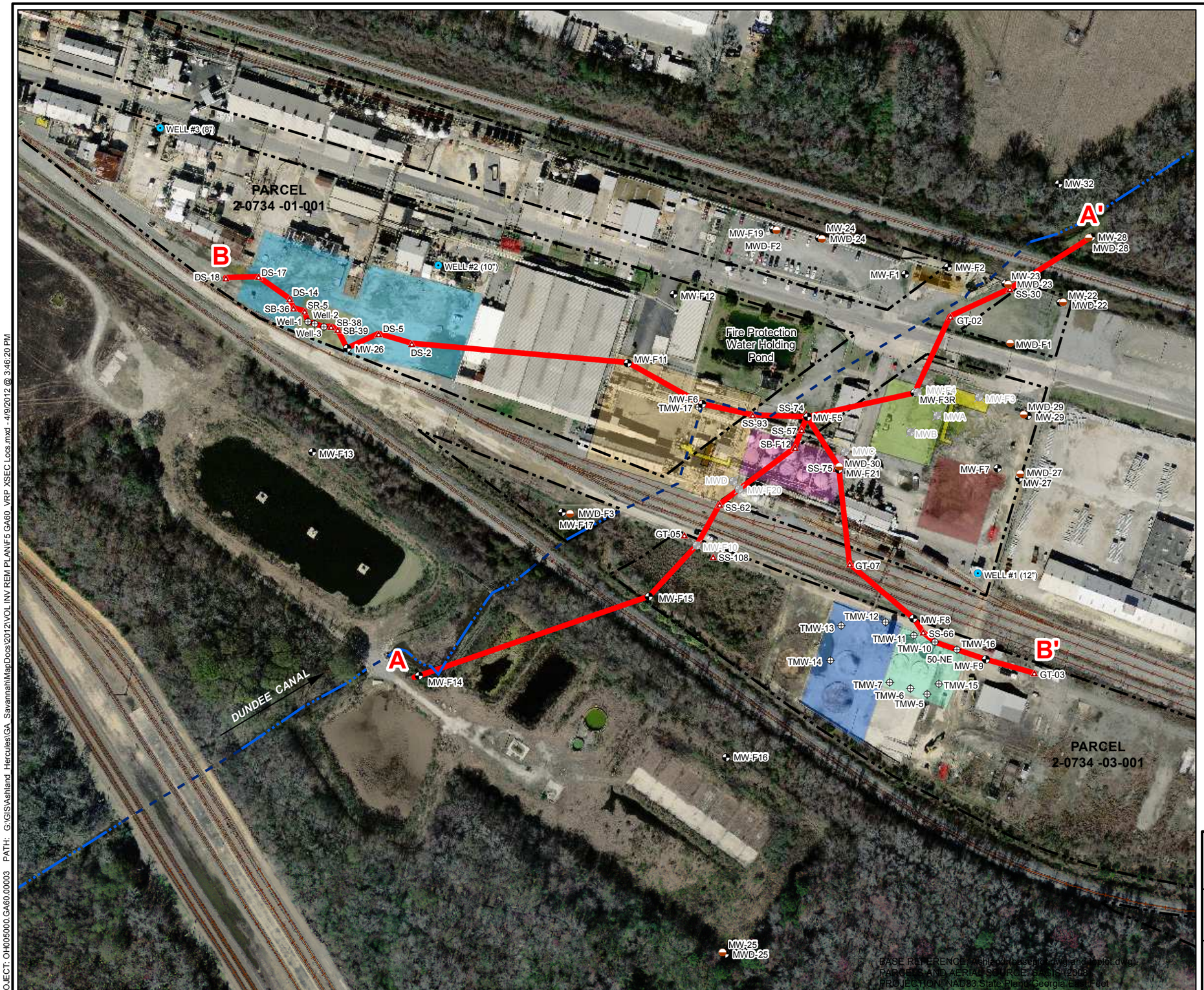
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Shallow Potentiometric Surface Map
July 27, 2011

ARCADIS

FIGURE
4

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F4 GA60_VRP 201107 POT_canallegend.mxd - 4/4/2012 @ 5:09:40 PM



CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV\REM PLAN\F5 GA60_VRP_XSEC Locs.mxd - 4/9/2012 @ 3:46:20 PM

LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (shallow)
- Temporary Monitoring Well (shallow)
- Monitoring Well (deep)
- Monitoring Well (abandoned)
- Production Well
- Soil Sample (1998-2008)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

0 160 320

SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS AND AERIAL SOURCE: SAGIS (2008).
PROJECTION: NAD_1983_StatePlane_Georgia_East_FIPS_1001_Feet

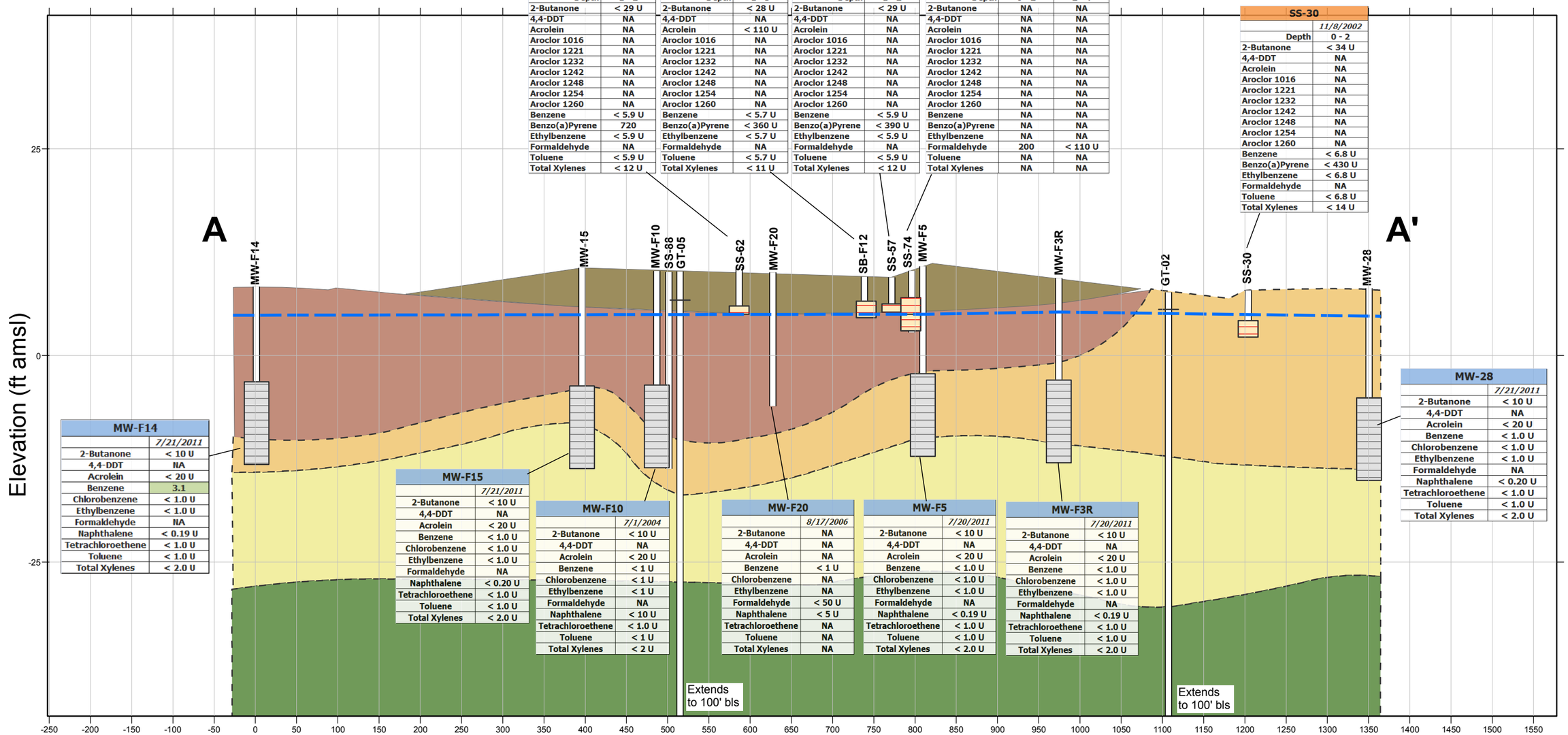
HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Geologic Cross-Section Locations

ARCADIS

FIGURE
5



SS-62	
	12/19/2002
Depth	1 - 2
2-Butanone	< 29 U
4,4-DDT	NA
Acrolein	NA
Aroclor 1016	NA
Aroclor 1221	NA
Aroclor 1232	NA
Aroclor 1242	NA
Aroclor 1248	NA
Aroclor 1254	NA
Aroclor 1260	NA
Benzene	< 5.9 U
Benzo(a)Pyrene	720
Ethylbenzene	< 5.9 U
Formaldehyde	NA
Toluene	< 5.9 U
Total Xylenes	< 12 U

SB-F12	
	10/20/2000
Depth	1 - 3
2-Butanone	< 28 U
4,4-DDT	NA
Acrolein	< 110 U
Aroclor 1016	NA
Aroclor 1221	NA
Aroclor 1232	NA
Aroclor 1242	NA
Aroclor 1248	NA
Aroclor 1254	NA
Aroclor 1260	NA
Benzene	< 5.7 U
Benzo(a)Pyrene	< 360 U
Ethylbenzene	< 5.7 U
Formaldehyde	NA
Toluene	< 5.7 U
Total Xylenes	< 11 U

SS-57	
	12/19/2002
Depth	1 - 2
2-Butanone	< 29 U
4,4-DDT	NA
Acrolein	NA
Aroclor 1016	NA
Aroclor 1221	NA
Aroclor 1232	NA
Aroclor 1242	NA
Aroclor 1248	NA
Aroclor 1254	NA
Aroclor 1260	NA
Benzene	< 5.9 U
Benzo(a)Pyrene	< 390 U
Ethylbenzene	< 5.9 U
Formaldehyde	NA
Toluene	< 5.9 U
Total Xylenes	< 12 U

SS-74		
	8/15/2006	8/15/2006
Depth	0 - 2	2 - 4
2-Butanone	NA	NA
4,4-DDT	NA	NA
Acrolein	NA	NA
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	NA	NA
Benzo(a)Pyrene	NA	NA
Ethylbenzene	NA	NA
Formaldehyde	200	< 110 U
Toluene	NA	NA
Total Xylenes	NA	NA

SS-30	
	11/8/2002
Depth	0 - 2
2-Butanone	< 34 U
4,4-DDT	NA
Acrolein	NA
Aroclor 1016	NA
Aroclor 1221	NA
Aroclor 1232	NA
Aroclor 1242	NA
Aroclor 1248	NA
Aroclor 1254	NA
Aroclor 1260	NA
Benzene	< 6.8 U
Benzo(a)Pyrene	< 430 U
Ethylbenzene	< 6.8 U
Formaldehyde	NA
Toluene	< 6.8 U
Total Xylenes	< 14 U

MW-F14	
	7/21/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	3.1
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.19 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-F15	
	7/21/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.20 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-F10	
	7/1/2004
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1 U
Chlorobenzene	< 1 U
Ethylbenzene	< 1 U
Formaldehyde	NA
Naphthalene	< 10 U
Tetrachloroethene	< 1.0 U
Toluene	< 1 U
Total Xylenes	< 2 U

MW-F20	
	8/17/2006
2-Butanone	NA
4,4-DDT	NA
Acrolein	NA
Benzene	< 1 U
Chlorobenzene	NA
Ethylbenzene	NA
Formaldehyde	< 50 U
Naphthalene	< 5 U
Tetrachloroethene	NA
Toluene	NA
Total Xylenes	NA

MW-F5	
	7/20/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.19 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-F3R	
	7/20/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.19 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-28	
	7/21/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.20 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

LEGEND

- Water Table (ft amsl) (July 2011)
- Well Screen
- Soil Boring
- Gravel, Silty Sandy, Fill
- Fine-grained Silty, Clayey, Sand
- High Plasticity Clay (Inferred where dashed)
- Clayey, Silty-Sand with Shell Fragments (inferred where dashed)
- Sandy Silt (Inferred where dashed)
- MW-F20 — Groundwater Results (µg/L)
- SB-F12 — Soil Results (mg/kg)
- NA — Not Analyzed
- 3.1 — Concentration exceeds the practical quantitation limit (PQL).

0 62.5 125 250 Feet

HORIZONTAL SCALE

VERTICAL EXAGGERATION: 10x

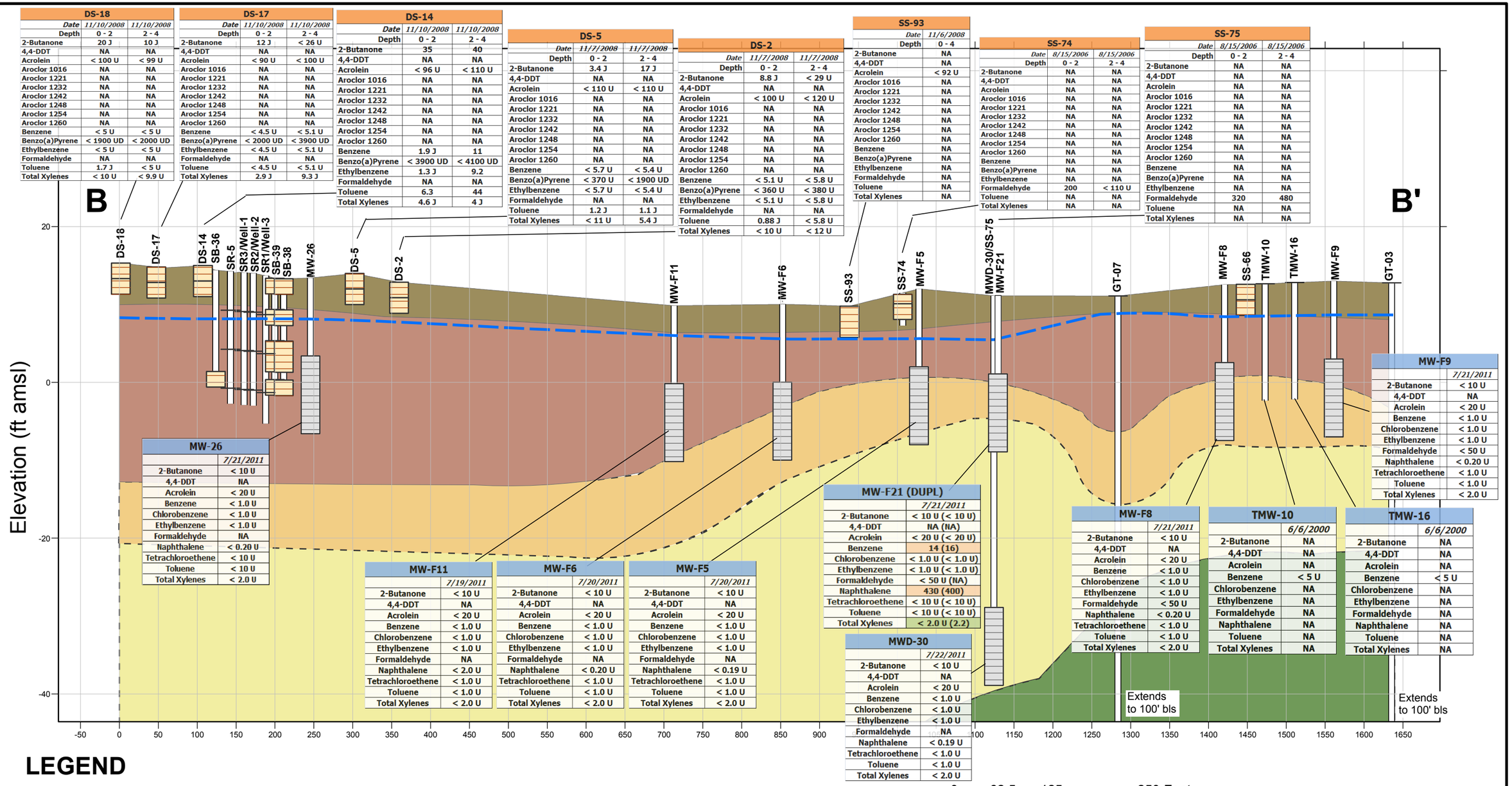
HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Distribution of Select Constituents along Geologic Cross-Section A-A'

ARCADIS

FIGURE
6

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: S.SUTTON LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH/C.MILLER
PROJECT: OH004000.GA60.10300 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2011\GAEPD Response\2\D-2 GA60_RESP2 XSEC_AA.mxd - 10/13/2011 @ 6:46:13 PM



DS-18		
Date	11/10/2008	11/10/2008
Depth	0 - 2	2 - 4
2-Butanone	20 J	10 J
4,4-DDT	NA	NA
Acrolein	< 100 U	< 99 U
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	< 5 U	< 5 U
Benzo(a)Pyrene	< 1900 UD	< 2000 UD
Ethylbenzene	< 5 U	< 5 U
Formaldehyde	NA	NA
Toluene	1.7 J	< 5 U
Total Xylenes	< 10 U	< 9.9 U

DS-17		
Date	11/10/2008	11/10/2008
Depth	0 - 2	2 - 4
2-Butanone	12 J	< 26 U
4,4-DDT	NA	NA
Acrolein	< 90 U	< 100 U
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	< 4.5 U	< 5.1 U
Benzo(a)Pyrene	< 2000 UD	< 3900 UD
Ethylbenzene	< 4.5 U	< 5.1 U
Formaldehyde	NA	NA
Toluene	< 4.5 U	< 5.1 U
Total Xylenes	2.9 J	9.3 J

DS-14		
Date	11/10/2008	11/10/2008
Depth	0 - 2	2 - 4
2-Butanone	35	40
4,4-DDT	NA	NA
Acrolein	< 96 U	< 110 U
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	1.9 J	11
Benzo(a)Pyrene	< 3900 UD	< 4100 UD
Ethylbenzene	1.3 J	9.2
Formaldehyde	NA	NA
Toluene	6.3	44
Total Xylenes	4.6 J	4 J

DS-5		
Date	11/7/2008	11/7/2008
Depth	0 - 2	2 - 4
2-Butanone	3.4 J	17 J
4,4-DDT	NA	NA
Acrolein	< 110 U	< 110 U
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	< 5.7 U	< 5.4 U
Benzo(a)Pyrene	< 370 U	< 1900 UD
Ethylbenzene	< 5.7 U	< 5.4 U
Formaldehyde	NA	NA
Toluene	1.2 J	1.1 J
Total Xylenes	< 11 U	5.4 J

DS-2		
Date	11/7/2008	11/7/2008
Depth	0 - 2	2 - 4
2-Butanone	8.8 J	< 29 U
4,4-DDT	NA	NA
Acrolein	< 100 U	< 120 U
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	< 5.1 U	< 5.8 U
Benzo(a)Pyrene	< 360 U	< 380 U
Ethylbenzene	< 5.1 U	< 5.8 U
Formaldehyde	NA	NA
Toluene	0.88 J	< 5.8 U
Total Xylenes	< 10 U	< 12 U

SS-93	
Date	11/6/2008
Depth	0 - 4
2-Butanone	NA
4,4-DDT	NA
Acrolein	< 92 U
Aroclor 1016	NA
Aroclor 1221	NA
Aroclor 1232	NA
Aroclor 1242	NA
Aroclor 1248	NA
Aroclor 1254	NA
Aroclor 1260	NA
Benzene	NA
Benzo(a)Pyrene	NA
Ethylbenzene	NA
Formaldehyde	NA
Toluene	NA
Total Xylenes	NA

SS-74		
Date	8/15/2006	8/15/2006
Depth	0 - 2	2 - 4
2-Butanone	NA	NA
4,4-DDT	NA	NA
Acrolein	NA	NA
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	NA	NA
Benzo(a)Pyrene	NA	NA
Ethylbenzene	NA	NA
Formaldehyde	200	< 110 U
Toluene	NA	NA
Total Xylenes	NA	NA

SS-75		
Date	8/15/2006	8/15/2006
Depth	0 - 2	2 - 4
2-Butanone	NA	NA
4,4-DDT	NA	NA
Acrolein	NA	NA
Aroclor 1016	NA	NA
Aroclor 1221	NA	NA
Aroclor 1232	NA	NA
Aroclor 1242	NA	NA
Aroclor 1248	NA	NA
Aroclor 1254	NA	NA
Aroclor 1260	NA	NA
Benzene	NA	NA
Benzo(a)Pyrene	NA	NA
Ethylbenzene	NA	NA
Formaldehyde	320	480
Toluene	NA	NA
Total Xylenes	NA	NA

MW-26	
	7/21/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.20 U
Tetrachloroethene	< 10 U
Toluene	< 10 U
Total Xylenes	< 2.0 U

MW-F11	
	7/19/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 2.0 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-F6	
	7/20/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.20 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-F5	
	7/20/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.19 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-F21 (DUPL)	
	7/21/2011
2-Butanone	< 10 U (< 10 U)
4,4-DDT	NA (NA)
Acrolein	< 20 U (< 20 U)
Benzene	14 (16)
Chlorobenzene	< 1.0 U (< 1.0 U)
Ethylbenzene	< 1.0 U (< 1.0 U)
Formaldehyde	< 50 U (NA)
Naphthalene	430 (400)
Tetrachloroethene	< 10 U (< 10 U)
Toluene	< 10 U (< 10 U)
Total Xylenes	< 2.0 U (2.2)

MWD-30	
	7/22/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	NA
Naphthalene	< 0.19 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

MW-F8	
	7/21/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	< 50 U
Naphthalene	< 0.20 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

TMW-10	
	6/6/2000
2-Butanone	NA
4,4-DDT	NA
Acrolein	NA
Benzene	< 5 U
Chlorobenzene	NA
Ethylbenzene	NA
Formaldehyde	NA
Naphthalene	NA
Toluene	NA
Total Xylenes	NA

TMW-16	
	6/6/2000
2-Butanone	NA
4,4-DDT	NA
Acrolein	NA
Benzene	< 5 U
Chlorobenzene	NA
Ethylbenzene	NA
Formaldehyde	NA
Naphthalene	NA
Toluene	NA
Total Xylenes	NA

MW-F9	
	7/21/2011
2-Butanone	< 10 U
4,4-DDT	NA
Acrolein	< 20 U
Benzene	< 1.0 U
Chlorobenzene	< 1.0 U
Ethylbenzene	< 1.0 U
Formaldehyde	< 50 U
Naphthalene	< 0.20 U
Tetrachloroethene	< 1.0 U
Toluene	< 1.0 U
Total Xylenes	< 2.0 U

LEGEND

- Water Table (ft amsl) (July 2011)
- Well Screen
- Soil Boring
- Gravel, Silty, Sandy, Fill
- Fine-grain, Silty, Clayey Sand
- High Plasticity Clay (Inferred where dashed)
- Clayey, Silty-Sand with Shell Fragements (Inferred where dashed)
- Sandy Silt (Inferred where dashed)
- MW-F20 — Groundwater Results (µg/L)
- SB-F12 — Soil Results (mg/kg)
- NA — Not Analyzed
- 3.1 — Concentration exceeds the practical quantitation limit (PQL).
- 14 (16) — Concentration exceeds Type 4 RRS.

0 62.5 125 250 Feet

HORIZONTAL SCALE

VERTICAL EXAGGERATION: 10x

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Distribution of Select Constituents along Geologic Cross-Section B-B'

ARCADIS

FIGURE 7

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: S.SUTTON LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH/C.MILLER
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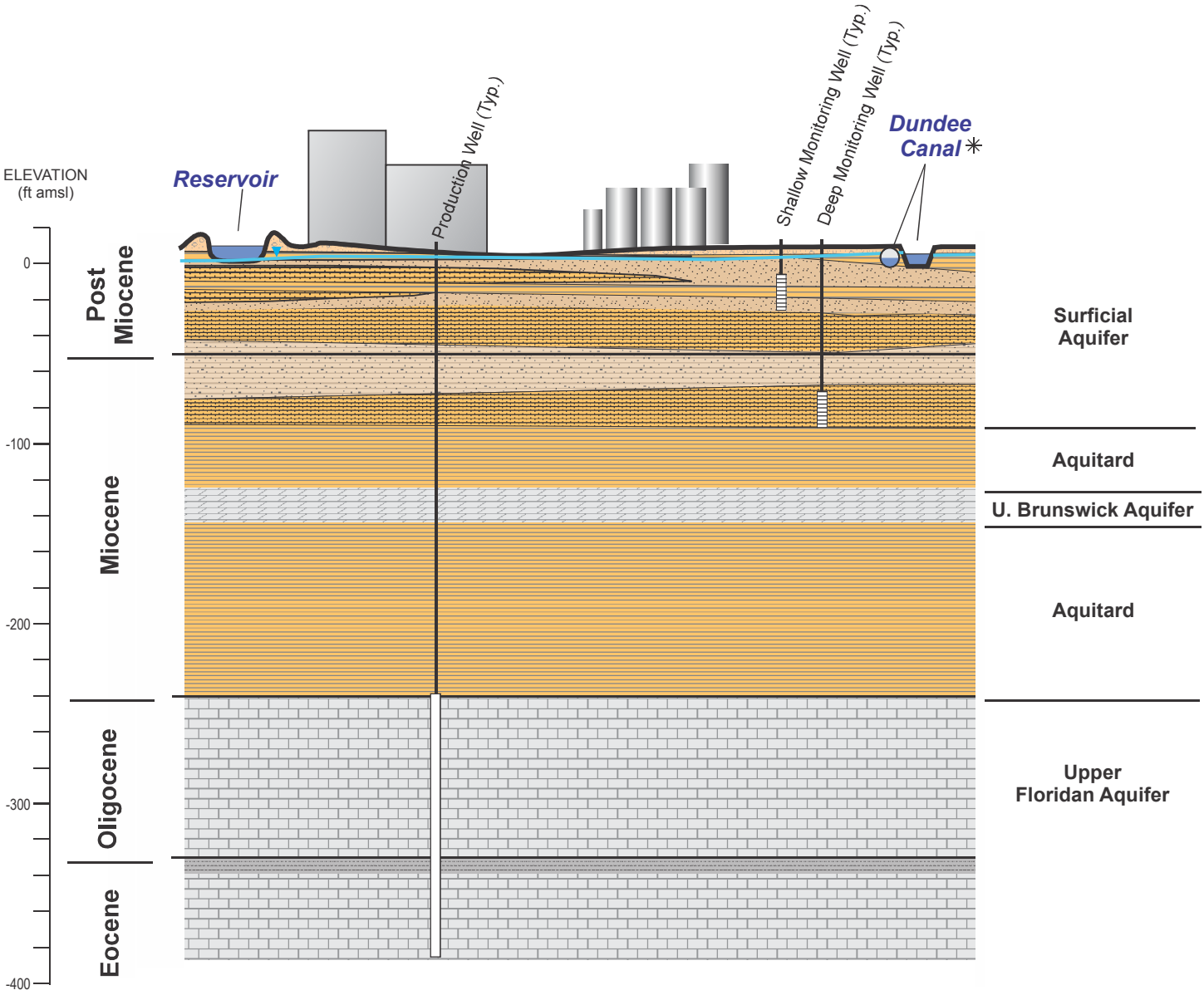


LEGEND

- Fill Material
- Clay
- Silt, clayey
- Sand
- Sand, clayey
- Water-Table
- Shale
- Limestone
- Limestone and Dolomite
- Screened Interval
- Open Hole

✳ Dundee Canal exists both in open and enclosed (i.e., piped) segments at the facility.

SOURCE: Clarke, John S., Charles M. Hacke, and Michael F. Peck. 1990. Geology and Ground-Water Resources of the Coastal Area of Georgia. The Department of Natural Resources Environmental Protection Division Georgia Geologic Survey. Bulletin 113.

HERCULES - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

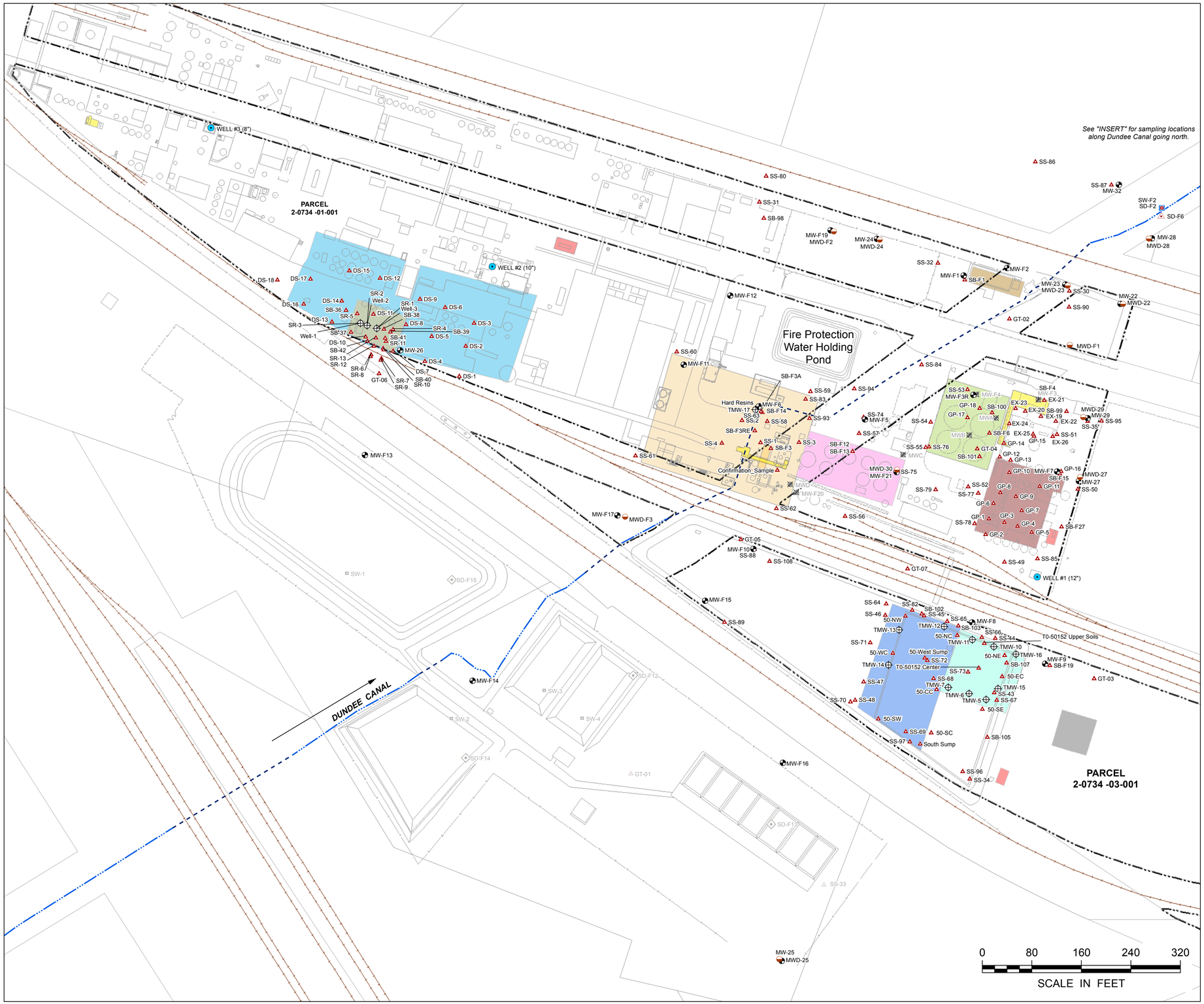
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Conceptual Site Model

ARCADIS

FIGURE
8

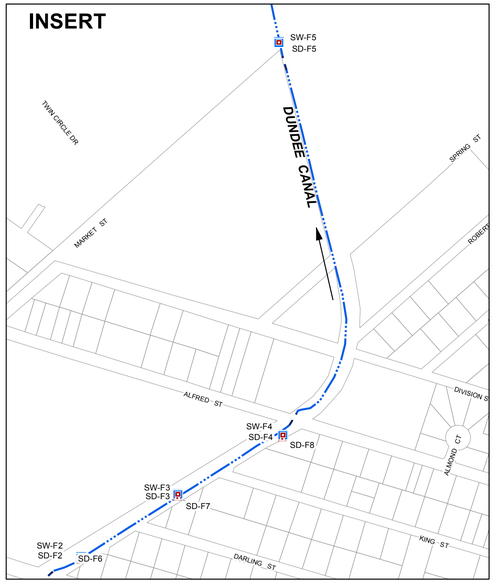
CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH/C.MILLER
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F8 GA60_VRP CSM.cdr SAVED: 9APR2012



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (shallow)
- Temporary Monitoring Well (shallow)
- Monitoring Well (deep)
- Monitoring Well (abandoned)
- Production Well
- Soil Sample (1998-2008)
- Surface Water Sample
- Sediment Sample
- Berm Sample
- Sludge Sample
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

INSERT



BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

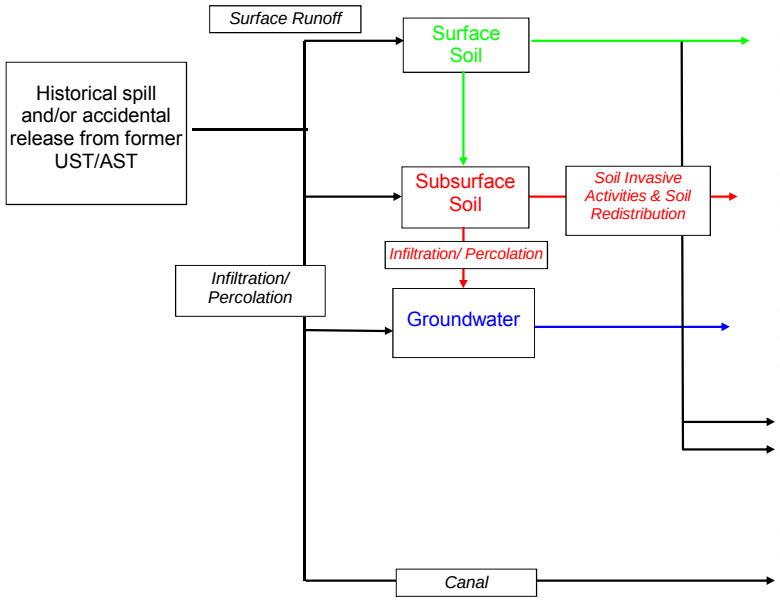
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Sampling Locations

ARCADIS

FIGURE
9

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITHB.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005500.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F9 GA60_VRP ALL Locs Dsize.mxd - 4/5/2012 @ 1:38:13 PM



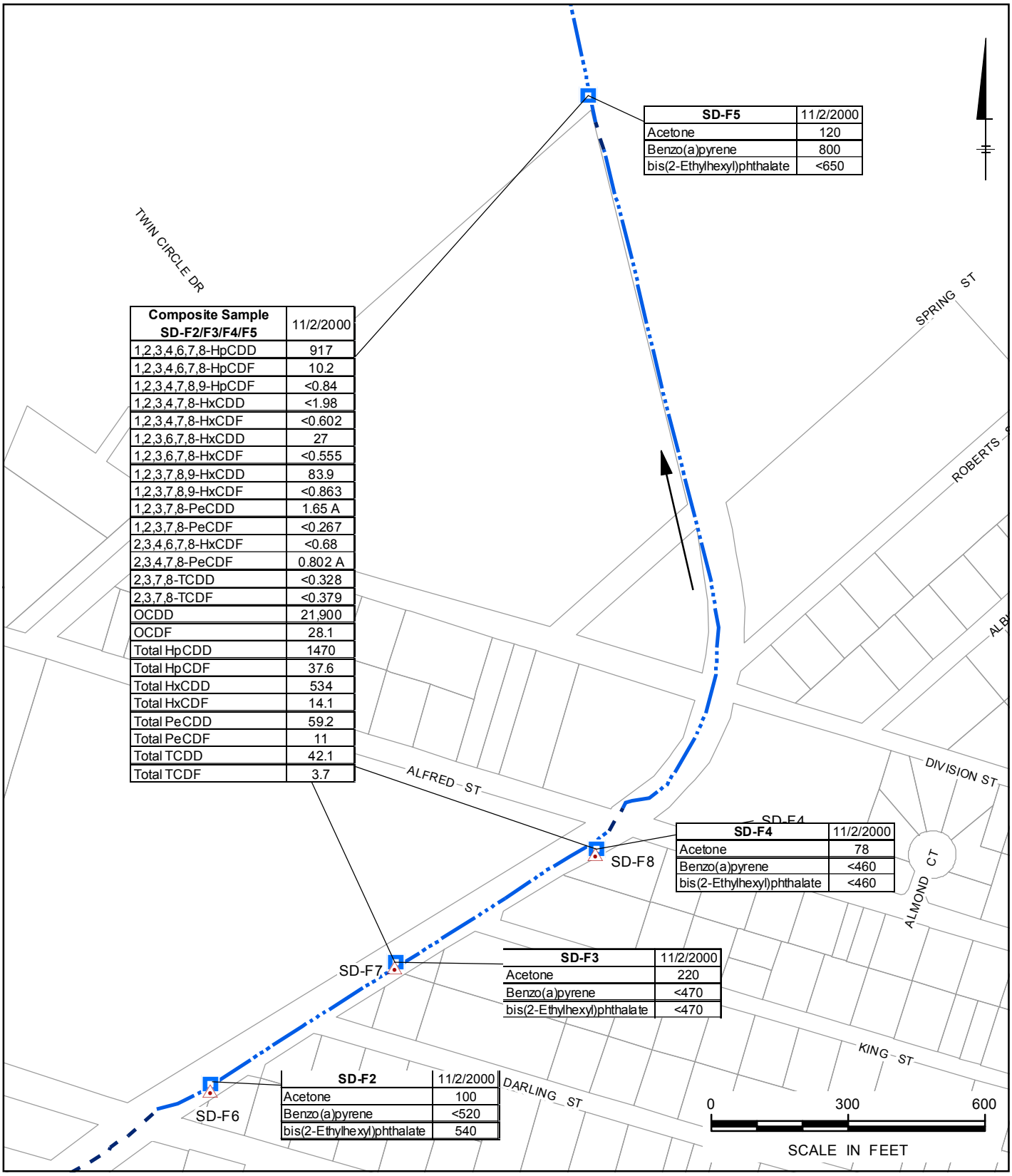
PATHWAY/ EXPOSURE MEDIUM	EXPOSURE ROUTE	RECEPTORS: Current – Onsite Worker	Current – Tresspasser	Future – Onsite Construction Worker	Future – Onsite Site Worker	Future – Tresspasser
Surface Soil	Ingestion	IC	IC	X	X	X
Surface Soil	Dermal	IC	IC	X	X	X
Outdoor Air (dust)	Inhalation	IC	IC	X	X	X
Subsurface Soil	Ingestion	IC	IC	X	X	X
Subsurface Soil	Dermal	IC	IC	X	X	X
Outdoor Air (dust)	Inhalation	IC	IC	X	X	X
Groundwater	Ingestion	IC	IC	X	IC	IC
Groundwater	Dermal	IC	IC	X	IC	IC
Groundwater	Inhalation	IC	IC	X	IC	IC
Indoor Air (vapors)	Inhalation	X	IC	IC	X	IC
Outdoor Air (vapors)	Inhalation	xis	IC	xis	xis	IC
Onsite Sediment/ Water	Ingestion	IC	IC	X	IC	IC
Onsite Sediment/ Water	Dermal	IC	IC	X	IC	IC
Offsite Sediment/Water	Ingestion	IC	X	IC	IC	X
Offsite Sediment/Water	Dermal	IC	X	IC	IC	X
Offsite Water (vapors)	Inhalation	IC	xis	IC	IC	xis

IC Incomplete pathway.
X Complete pathway.
xis Complete but insignificant pathway.

ARCADIS

Site Conceptual Exposure Model for Potential Human Receptors
Hercules - Savannah, Georgia

Figure 10



SD-F5	11/2/2000
Acetone	120
Benzo(a)pyrene	800
bis(2-Ethylhexyl)phthalate	<650

Composite Sample SD-F2/F3/F4/F5	11/2/2000
1,2,3,4,6,7,8-HpCDD	917
1,2,3,4,6,7,8-HpCDF	10.2
1,2,3,4,7,8,9-HpCDF	<0.84
1,2,3,4,7,8-HxCDD	<1.98
1,2,3,4,7,8-HxCDF	<0.602
1,2,3,6,7,8-HxCDD	27
1,2,3,6,7,8-HxCDF	<0.555
1,2,3,7,8,9-HxCDD	83.9
1,2,3,7,8,9-HxCDF	<0.863
1,2,3,7,8-PeCDD	1.65 A
1,2,3,7,8-PeCDF	<0.267
2,3,4,6,7,8-HxCDF	<0.68
2,3,4,7,8-PeCDF	0.802 A
2,3,7,8-TCDD	<0.328
2,3,7,8-TCDF	<0.379
OCDD	21,900
OCDF	28.1
Total HpCDD	1470
Total HpCDF	37.6
Total HxCDD	534
Total HxCDF	14.1
Total PeCDD	59.2
Total PeCDF	11
Total TCDD	42.1
Total TCDF	3.7

SD-F4	11/2/2000
Acetone	78
Benzo(a)pyrene	<460
bis(2-Ethylhexyl)phthalate	<460

SD-F3	11/2/2000
Acetone	220
Benzo(a)pyrene	<470
bis(2-Ethylhexyl)phthalate	<470

SD-F2	11/2/2000
Acetone	100
Benzo(a)pyrene	<520
bis(2-Ethylhexyl)phthalate	540

PARCELS SOURCE: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Sediment Sample
- Berm Sample
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

NOTES:
1) Discrete sample results are reported in µg/kg.
2) Composite sample results are reported in pg/g.

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

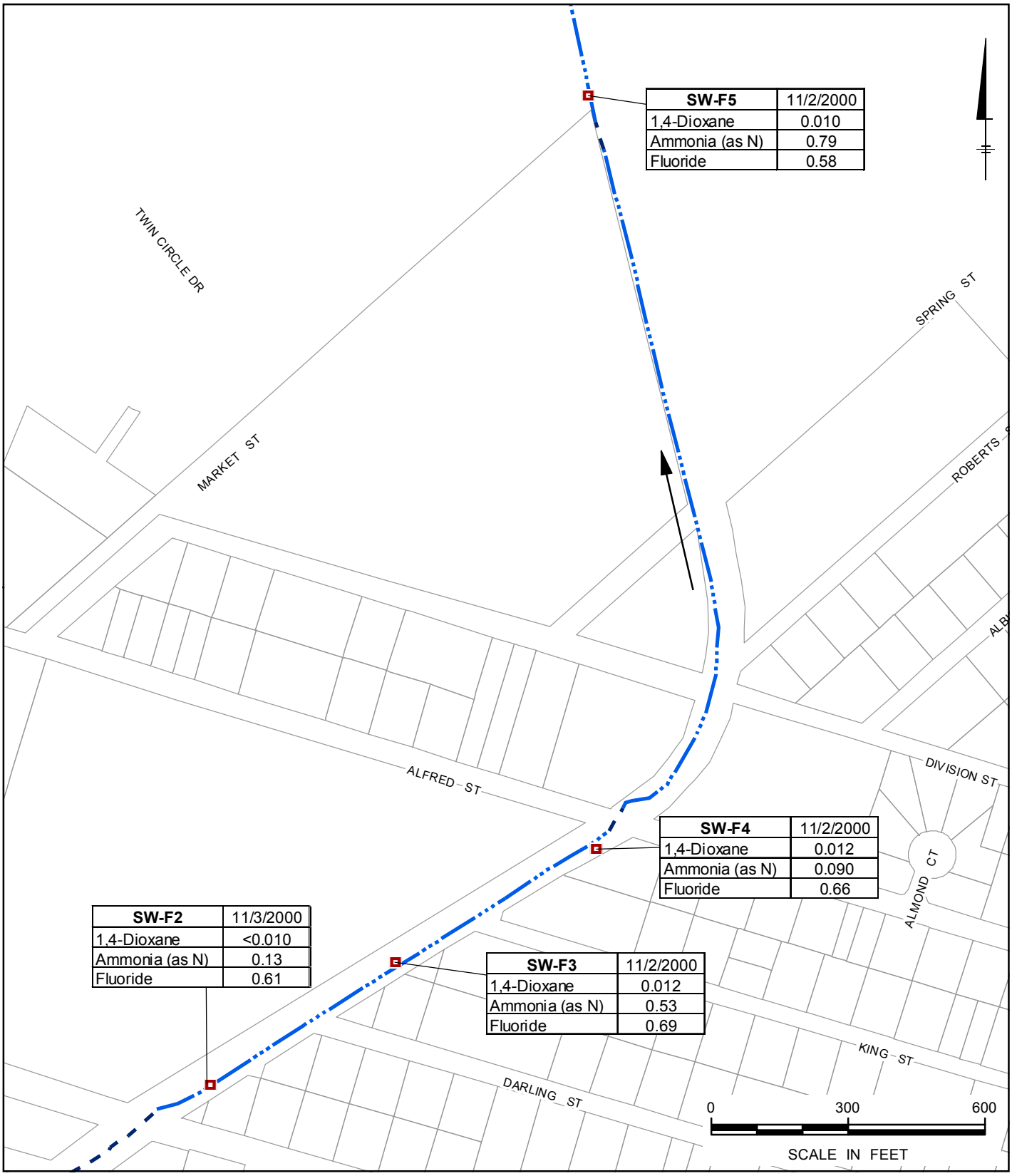
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Regulated Substances Detected in Sediment

ARCADIS

FIGURE
11

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F11 GA60_VRP SED 201107.mxd Date Saved: 4/9/2012 2:43:02 PM



PARCELS SOURCE: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Surface Water Sample
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

NOTE: Results are reported in milligram per liter (mg/L).

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

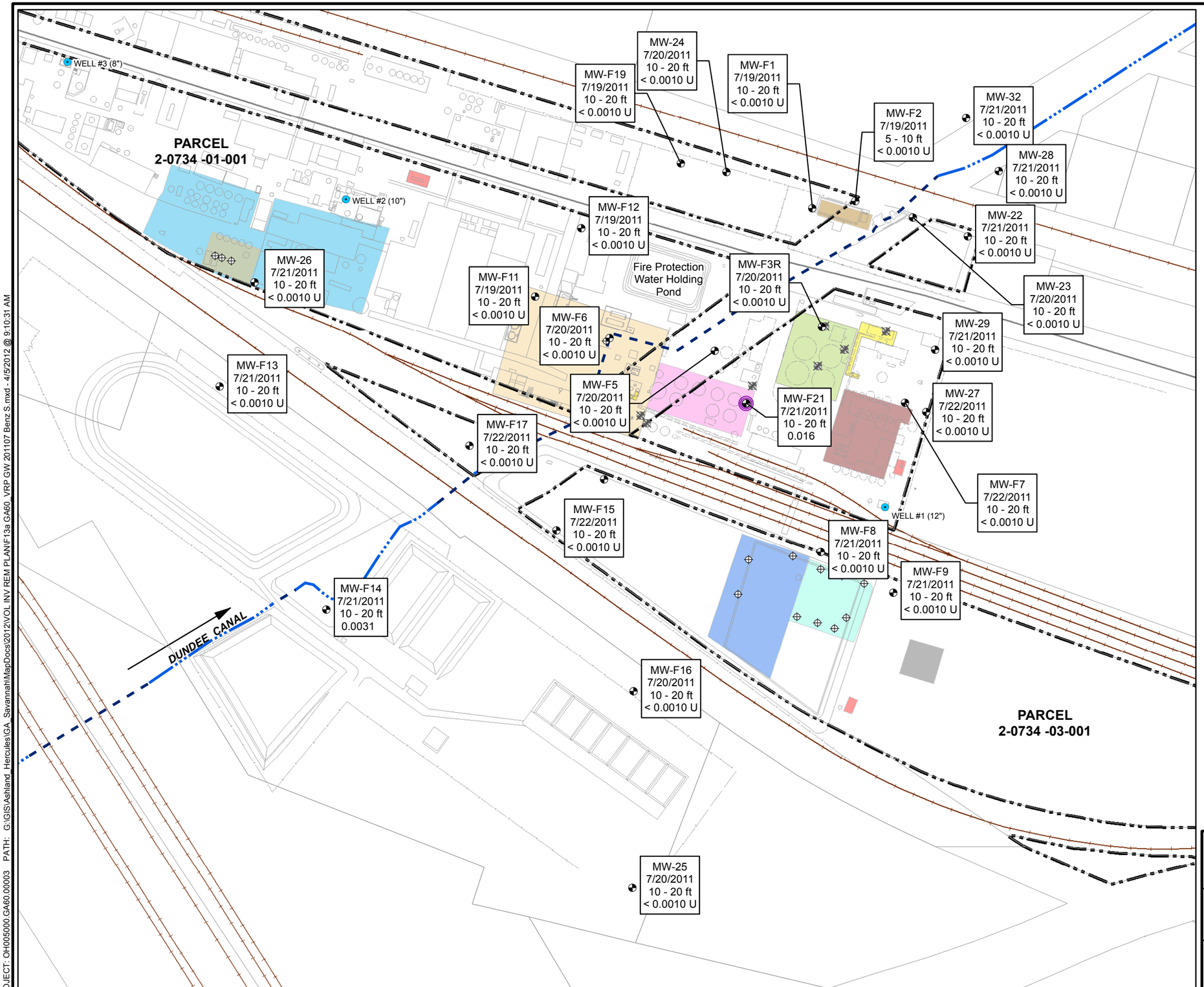
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Regulated Substances Detected in Surface Water

ARCADIS

FIGURE
12

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F12 GA60_VRP SW 200011.mxd Date Saved: 4/9/2012 2:37:15 PM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (shallow)
- Monitoring Well (abandoned)
- Temporary Monitoring Well (shallow)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Result above Type 1 RRS (0.005 mg/L)

NOTES:
1) Analytical results represent data from July 19-22, 2011, sampling event.
2) Location IDs and data boxes are provided only for wells where the target constituent was analyzed.
3) The sample depth shown represents the approximate well screen interval in feet below ground surface.
4) All concentrations reported in milligrams per liter (mg/L).

U - Indicates the analyte was analyzed for but not detected.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

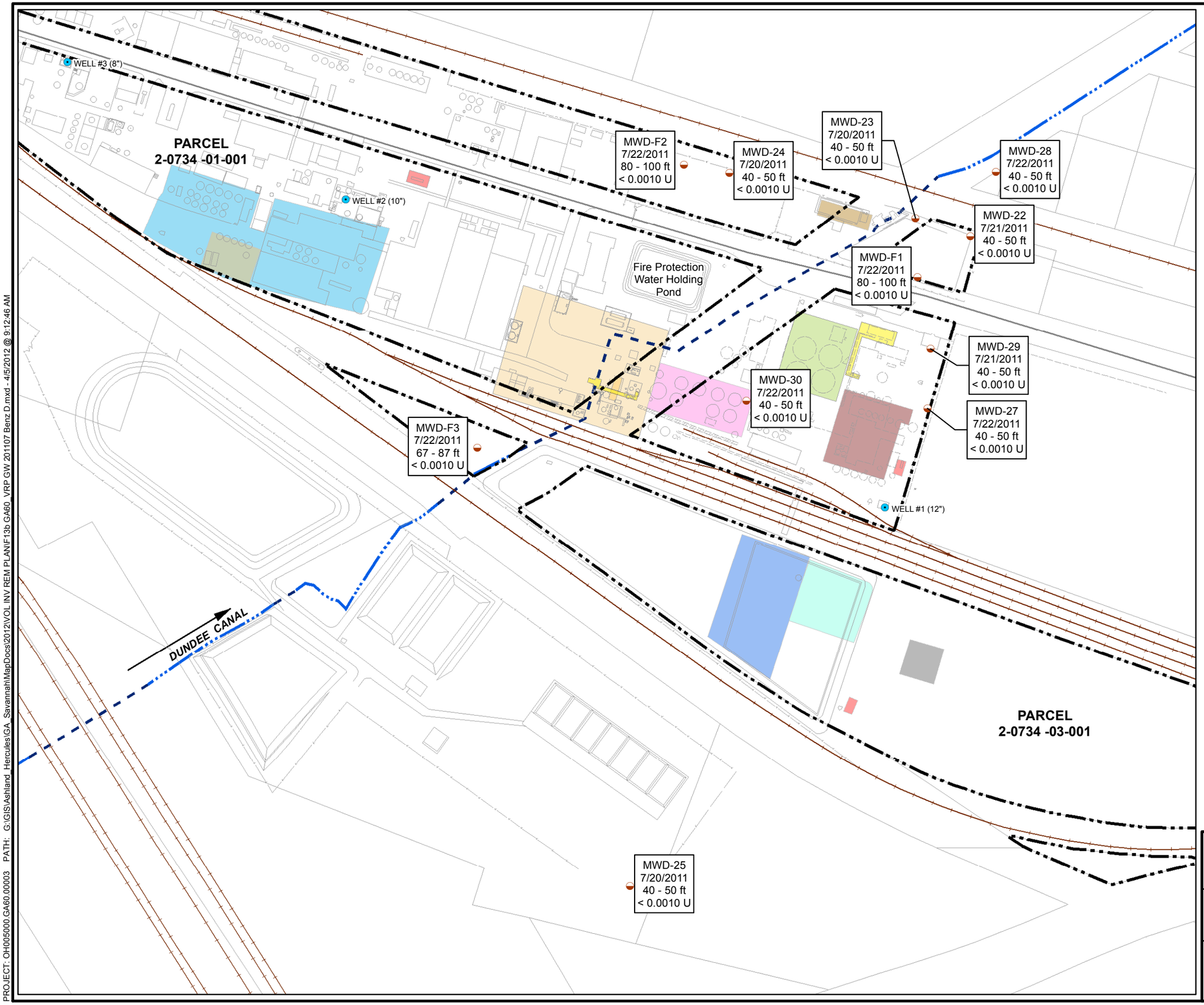
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Benzene Delineation in Groundwater (Shallow Aquifer), July 2011

ARCADIS

FIGURE
13a

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F13a GA60_VRP GW 201107 Benz S.mxd - 4/5/2012 @ 9:10:31 AM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (deep)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

NOTES:
1) Analytical results represent data from July 19-22, 2011, sampling event.
2) Location IDs and data boxes are provided only for wells where the target constituent was analyzed.
3) The sample depth shown represents the approximate well screen interval in feet below ground surface.
4) All concentrations reported in milligrams per liter (mg/L).
5) No samples exceeded Type 1 RRS (0.005 mg/L) during this sampling event.

U - Indicates the analyte was analyzed for but not detected.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

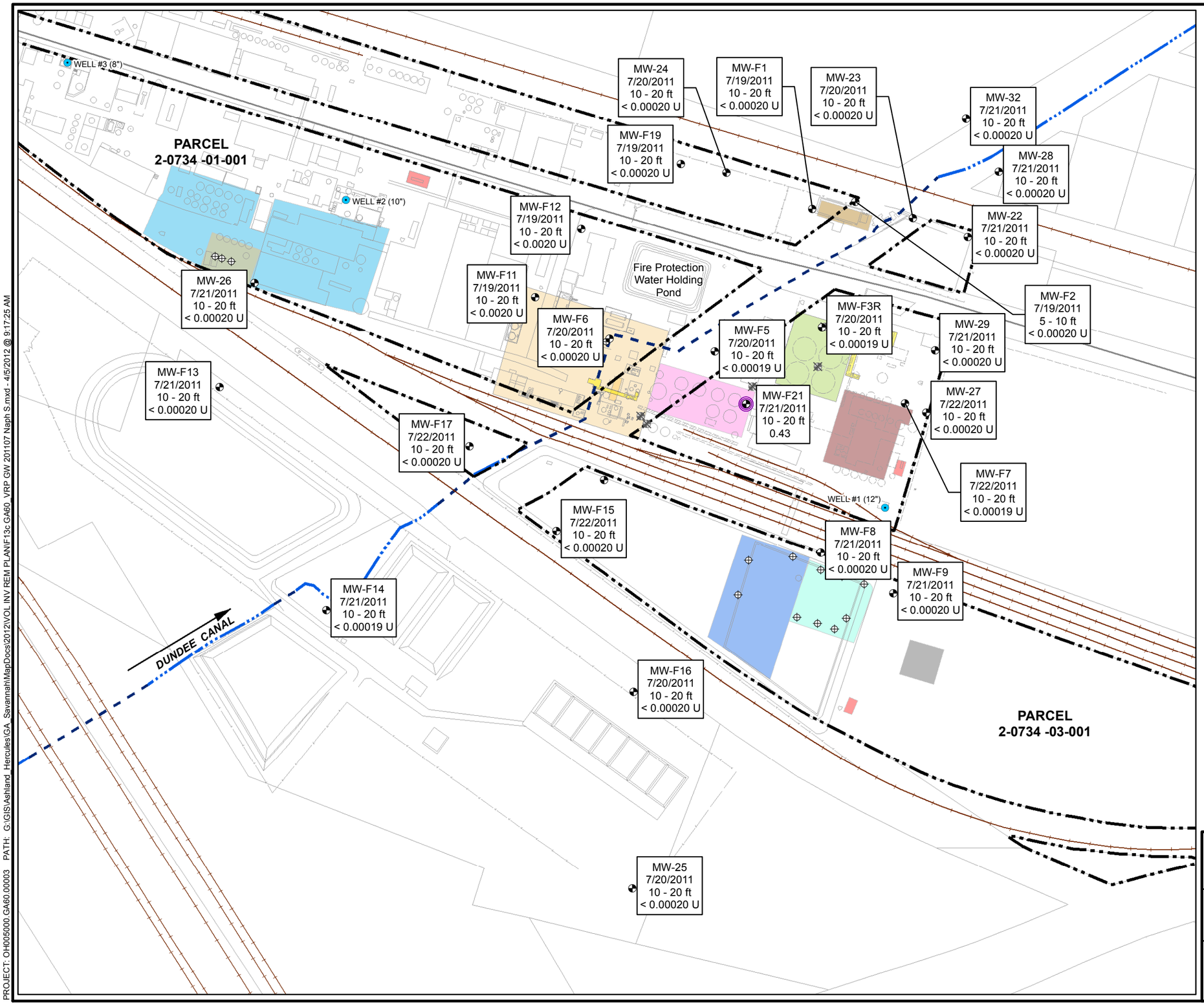
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Benzene Delineation in Groundwater (Deep Aquifer), July 2011

ARCADIS

FIGURE
13b

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F13b GA60_VRP GW 201107 Benz D.mxd - 4/5/2012 @ 9:12:46 AM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (shallow)
- Monitoring Well (abandoned)
- Temporary Monitoring Well (shallow)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Result above Type 1 RRS (0.02 mg/L)

NOTES:
1) Analytical results represent data from July 19-22, 2011, sampling event.
2) Location IDs and data boxes are provided only for wells where the target constituent was analyzed.
3) The sample depth shown represents the approximate well screen interval in feet below ground surface.
4) All concentrations reported in milligrams per liter (mg/L).

U - Indicates the analyte was analyzed for but not detected.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

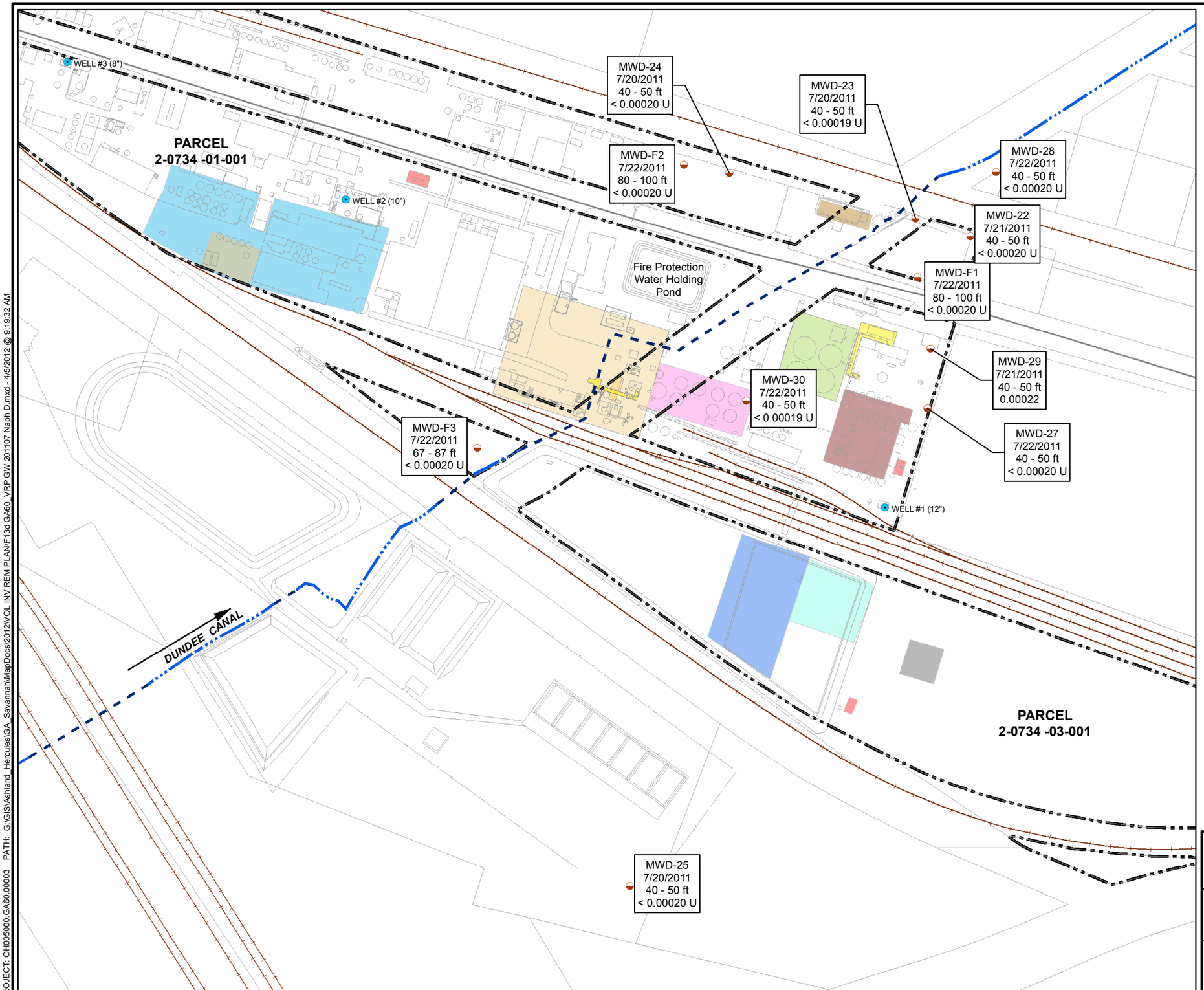
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Naphthalene Delineation in Groundwater (Shallow Aquifer), July 2011

ARCADIS

FIGURE
13c

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F13c GA60_VRP GW 201107 Naph S.mxd - 4/5/2012 @ 9:17:25 AM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (deep)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

NOTES:
1) Analytical results represent data from July 19-22, 2011, sampling event.
2) Location IDs and data boxes are provided only for wells where the target constituent was analyzed.
3) The sample depth shown represents the approximate well screen interval in feet below ground surface.
4) All concentrations reported in milligrams per liter (mg/L).
5) No samples exceeded Type 1 RRS (0.02 mg/L) during this sampling event.

U - Indicates the analyte was analyzed for but not detected.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

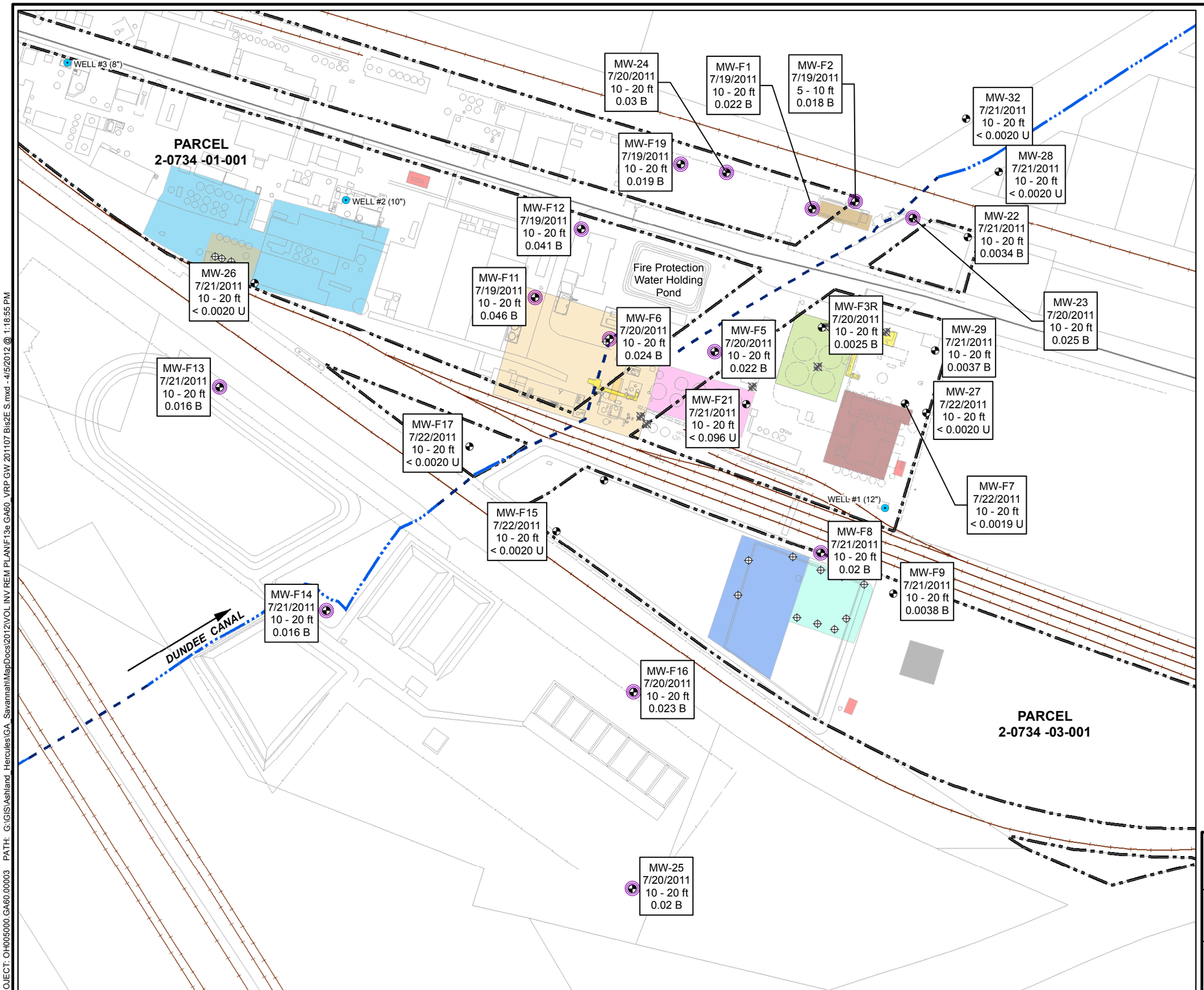
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Naphthalene Delineation in Groundwater (Deep Aquifer), July 2011

ARCADIS

FIGURE
13d

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F13d GA60_VRP GW 201107 Naph D.mxd - 4/5/2012 @ 9:19:32 AM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (shallow)
- Monitoring Well (abandoned)
- Temporary Monitoring Well (shallow)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Result above Type 1 RRS (0.006 mg/L)

NOTES:
1) Analytical results represent data from July 19-22, 2011, sampling event.
2) Location IDs and data boxes are provided only for wells where the target constituent was analyzed.
3) The sample depth shown represents the approximate well screen interval in feet below ground surface.
4) All concentrations reported in milligrams per liter (mg/L).

U - Indicates the analyte was analyzed for but not detected.
B - Indicates this compound was also detected in the laboratory method blank.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

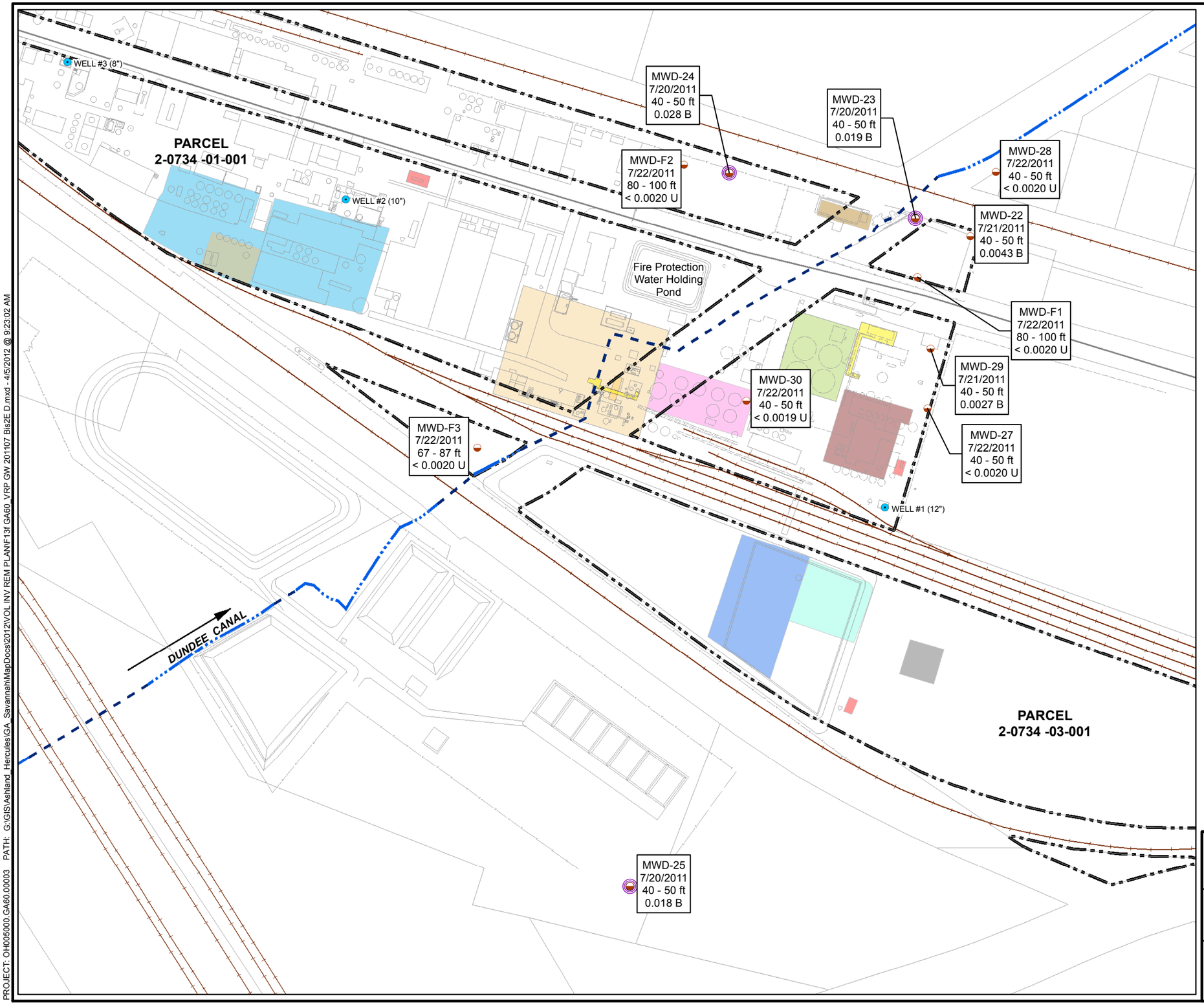
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

bis(2-Ethylhexyl)phthalate Delineation in Groundwater (Shallow Aquifer), July 2011

ARCADIS

FIGURE
13e

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLANIF13e GA60 VRP GW 201107 Bis2E S.mxd - 4/5/2012 @ 1:18:55 PM



LEGEND

- HSI 10696 Site Boundary
- Monitoring Well (deep)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Result above Type 1 RRS (0.006 mg/L)

NOTES:
1) Analytical results represent data from July 19-22, 2011, sampling event.
2) Location IDs and data boxes are provided only for wells where the target constituent was analyzed.
3) The sample depth shown represents the approximate well screen interval in feet below ground surface.
4) All concentrations reported in milligrams per liter (mg/L).

U - Indicates the analyte was analyzed for but not detected.
B - Indicates this compound was also detected in the laboratory method blank.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

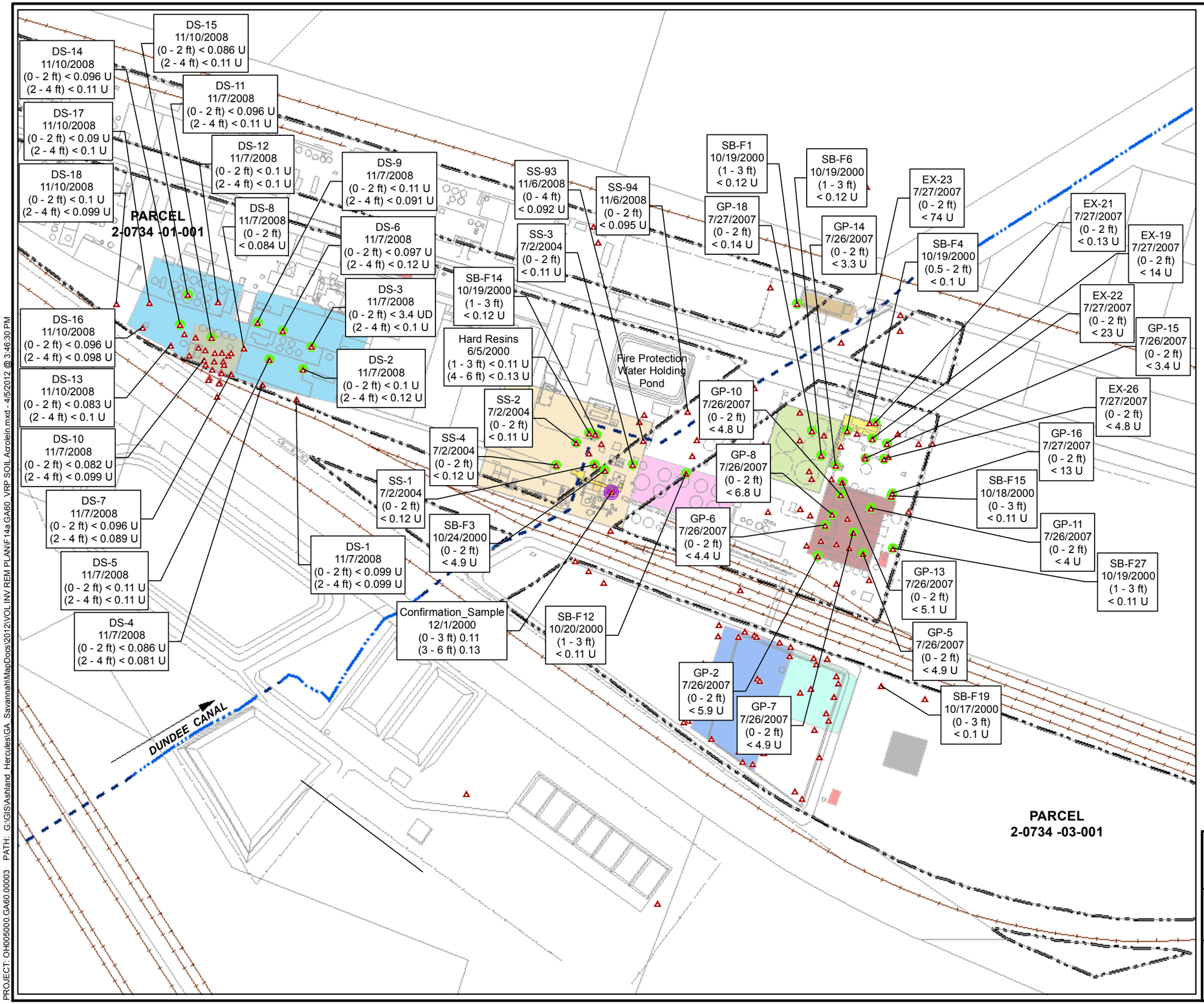
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

bis(2-Ethylhexyl)phthalate Delineation in Groundwater (Deep Aquifer), July 2011

ARCADIS

FIGURE
13f

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F13f GA60_VRP GW 201107 Bis2E D.mxd - 4/5/2012 @ 9:23:02 AM



LEGEND

- HSI 10696 Site Boundary
- Soil Sample (1998-2008)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Result above Type 1 RRS (0.10 mg/kg)
- Laboratory Reporting Limit above Type 1 RRS (0.10 mg/kg)

NOTES:
1) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
2) All concentrations reported in milligrams per kilogram (mg/kg).
3) Location of EX-27 is unknown.

D - Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution.
U - Indicates the analyte was analyzed for but not detected.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

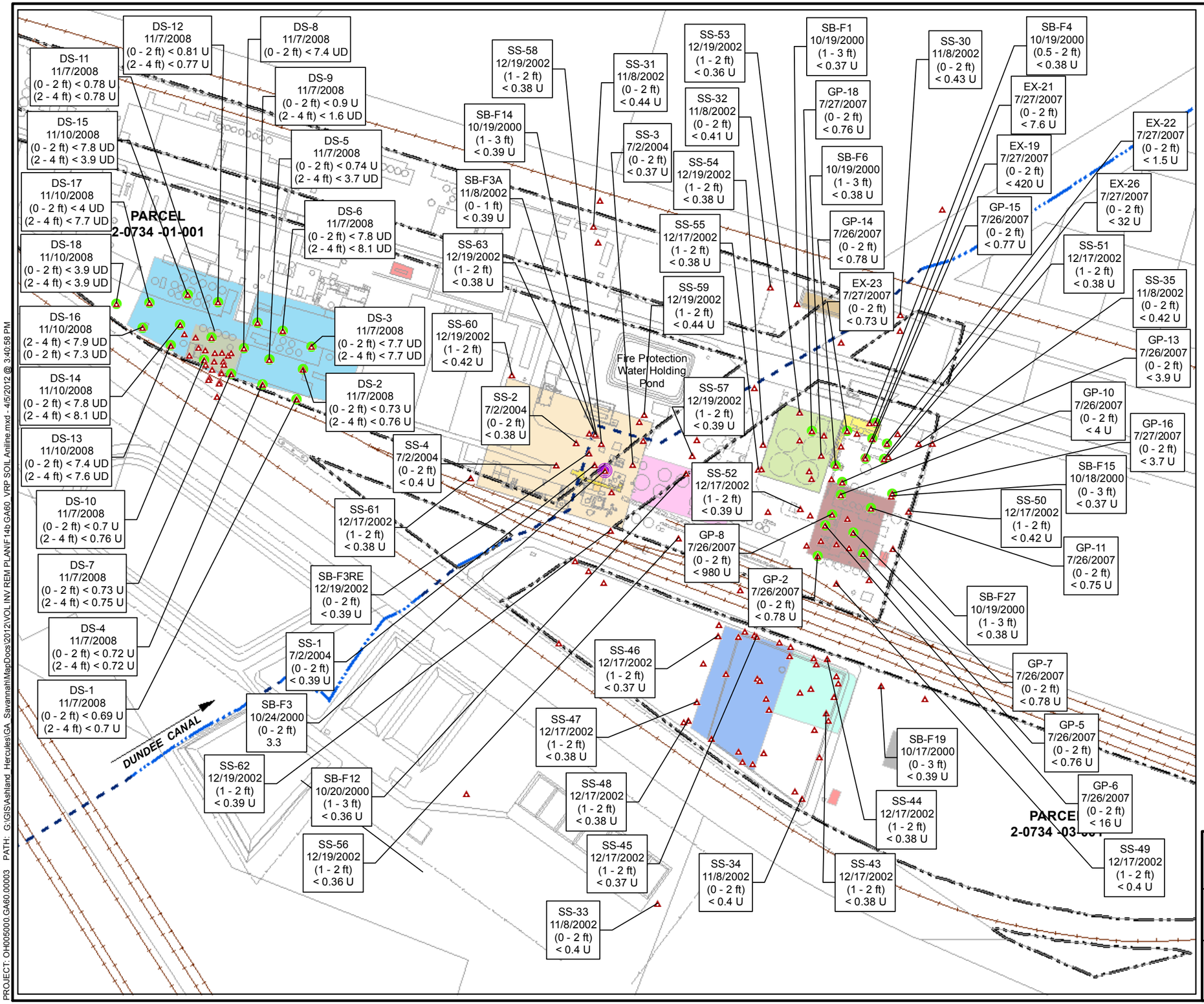
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Acrolein Delineation in Soil

ARCADIS

FIGURE
14a

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F14a GA60_VRP SOIL Acrolein.mxd - 4/5/2012 @ 3:46:30 PM



LEGEND

- HSI 10696 Site Boundary
- Soil Sample (1998-2008)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Result above Type 1 RRS (0.66 mg/kg)
- Laboratory Reporting Limit above Type 1 RRS (0.66 mg/kg)

NOTES:
1) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
2) All concentrations reported in milligrams per kilogram (mg/kg).
3) Location of EX-27 is unknown.

D - Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution.
U - Indicates the analyte was analyzed for but not detected.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

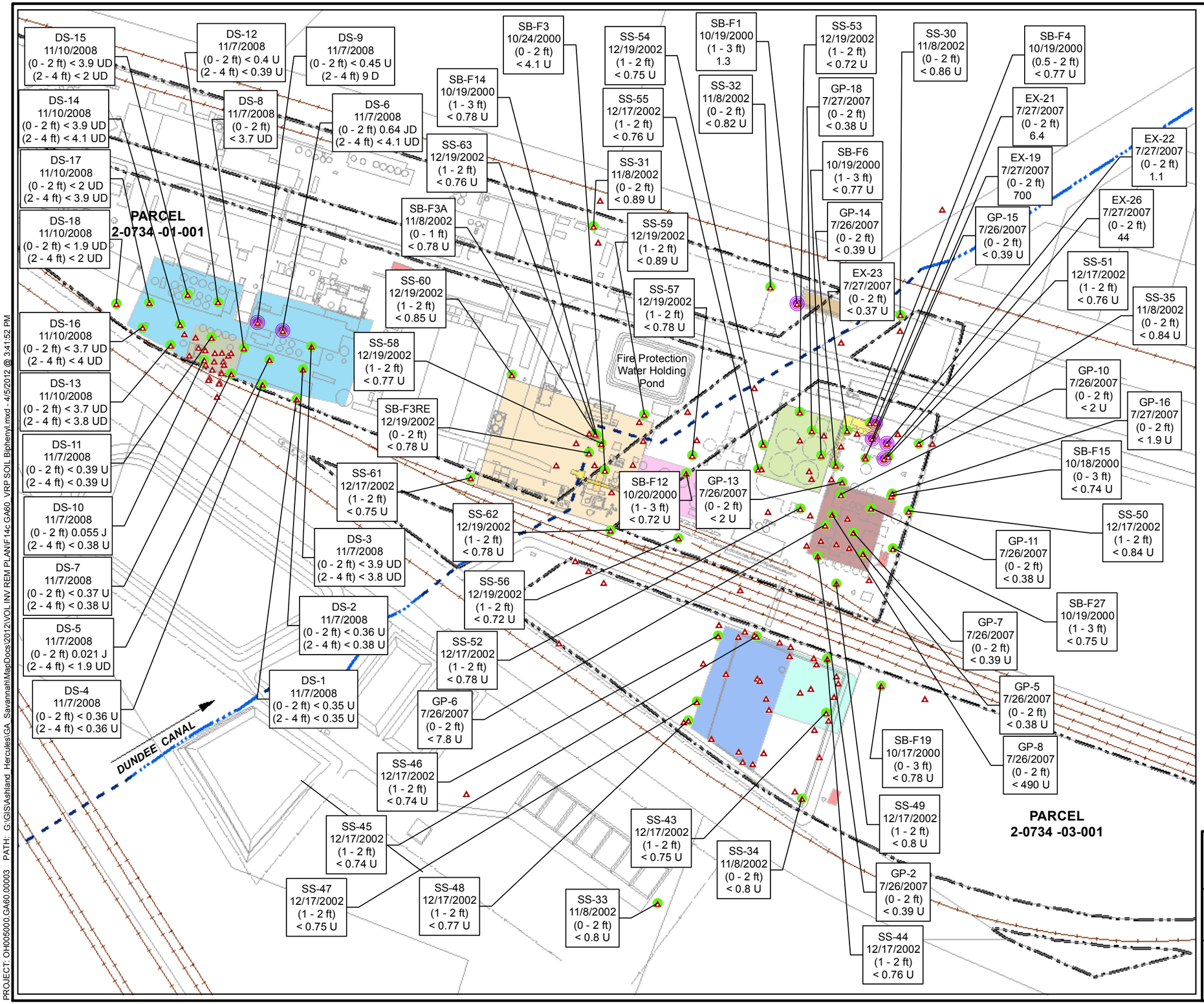
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Aniline Delineation in Soil

ARCADIS

FIGURE
14b

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland Hercules\GA_Savannah\MapDocs\2012\VOL INV REM PLAN\F14b GA60_VRP SOIL Aniline.mxd - 4/5/2012 @ 3:40:58 PM



LEGEND

- HSI 10696 Site Boundary
- Soil Sample (1998-2008)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Result above Type 1 RRS (0.33 mg/kg)
- Laboratory Reporting Limit above Type 1 RRS (0.33 mg/kg)

NOTES:
1) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
2) All concentrations reported in milligrams per kilogram (mg/kg).
3) Location of EX-27 is unknown.

D - Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution.
J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.
U - Indicates the analyte was analyzed for but not detected.

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

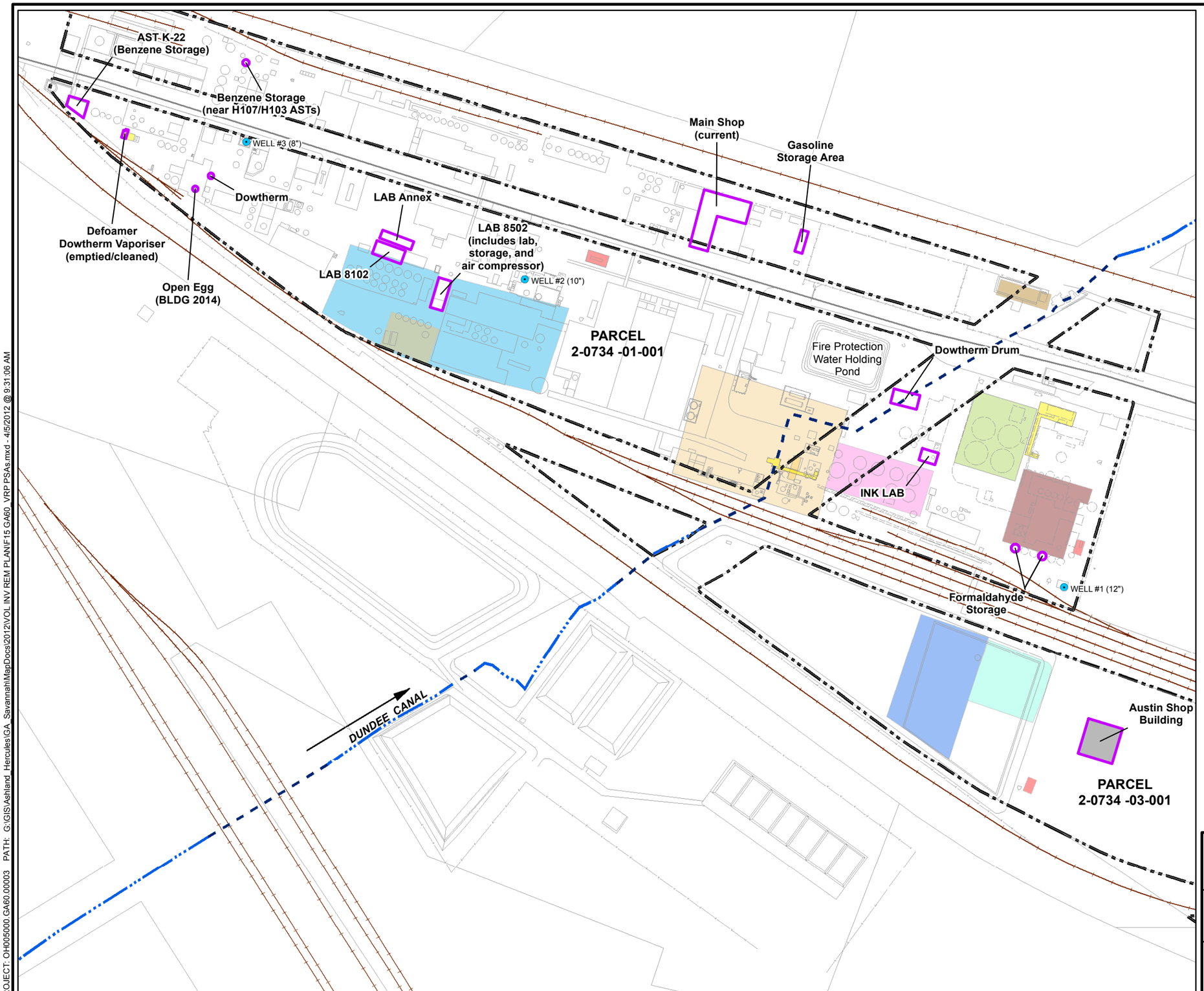
HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

1,1-Biphenyl Delineation in Soil

ARCADIS

FIGURE
14c

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland Hercules\GA Savannah\MapDocs\2012\VOL INV\REM PLAN\F14c GA60 VRP SOIL Biphenyl.mxd - 4/5/2012 @ 3:41:52 PM



LEGEND

- HSI 10696 Site Boundary
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Additional Potential Source Area*
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

NOTE:
* Additional potential source area identified by EPD in letter dated December 8, 2011

0 160 320
SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Additional Potential Source Areas

ARCADIS

FIGURE
15

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITHB.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV.REM PLAN\F15 GA60 VRP PSAs.mxd - 4/5/2012 @ 9:31:06 AM

LEGEND

- HSI 10696 Site Boundary
- Dowtherm Unit and Aboveground Piping
- Electrical Substation
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

0 200 400

SCALE IN FEET

BASE REFERENCE: Ashland (baseplot.dwg and toplot.dwg).
PARCELS AND AERIAL SOURCE: SAGIS (2008).
PROJECTION: NAD83 State Plane Georgia East Feet

HERCULES — SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

Heat Transfer Oil Use and Electrical Substations

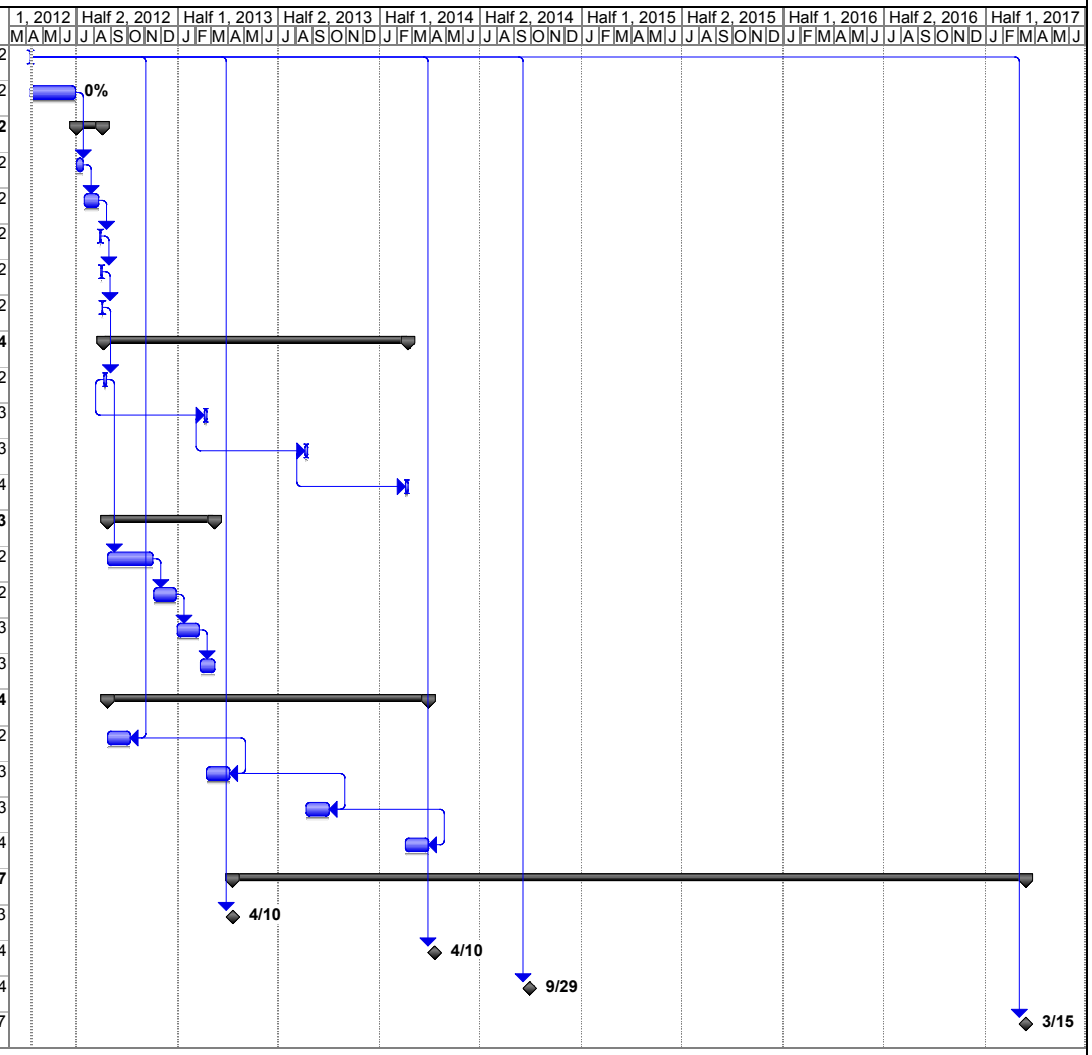
ARCADIS

FIGURE
16

CITY: KNOXVILLE DIV/GROUP: ENV/GIS DB: C.SMITH/B.ALTOM LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: H.ENGLISH
PROJECT: OH005000.GA60.00003 PATH: G:\GIS\Ashland_Hercules\GA_Savannah\MapDocs\2012\VOL INV\REM PLAN\F16 GA60_VRP HEAT.mxd - 4/4/2012 @ 5:08:06 PM

Figure 17
Hercules - Savannah Plant
3000 Louisville Road, Savannah, Georgia
Voluntary Remediation Program Milestone Schedule

ID	Task Name	Duration	Start	Finish
1	Submit VRP Application	1 day	Mon 4/9/12	Mon 4/9/12
2	Prepare Investigation Work Plan	60 days	Mon 4/9/12	Fri 6/29/12
3	**Field Activities**	**35 days**	**Mon 7/2/12**	**Fri 8/17/12**
4	Mobilize for data collection	10 days	Mon 7/2/12	Fri 7/13/12
5	Confirmatory soil sampling	20 days	Mon 7/16/12	Fri 8/10/12
6	Slug testing	2 days	Mon 8/13/12	Tue 8/14/12
7	Well gauging	2 days	Wed 8/15/12	Thu 8/16/12
8	Surface water/ sediment sampling	1 day	Fri 8/17/12	Fri 8/17/12
9	**Semiannual groundwater sampling**	**395 days**	**Mon 8/20/12**	**Fri 2/21/14**
10	Semiannual event #1	5 days	Mon 8/20/12	Fri 8/24/12
11	Semiannual event #2	5 days	Mon 2/18/13	Fri 2/22/13
12	Semiannual event #3	5 days	Mon 8/19/13	Fri 8/23/13
13	Semiannual event #4	5 days	Mon 2/17/14	Fri 2/21/14
14	**Data analysis**	**140 days**	**Mon 8/27/12**	**Fri 3/8/13**
15	Delineation assessment	60 days	Mon 8/27/12	Fri 11/16/12
16	Human health risk assessment	30 days	Mon 11/19/12	Fri 12/28/12
17	Ecological risk assessment	30 days	Mon 12/31/12	Fri 2/8/13
18	CSM update	20 days	Mon 2/11/13	Fri 3/8/13
19	**Reporting**	**415 days**	**Mon 8/27/12**	**Sun 3/30/14**
20	Semiannual Report #1	30 days	Mon 8/27/12	Sat 10/6/12
21	Semiannual Report #2	30 days	Fri 2/22/13	Thu 4/4/13
22	Semiannual Report #3	30 days	Wed 8/21/13	Tue 10/1/13
23	Semiannual Report #4	30 days	Mon 2/17/14	Sun 3/30/14
24	**Required Performance Milestones**	**1026 days**	**Wed 4/10/13**	**Wed 3/15/17**
25	Horizontal delineation complete (onsite)	1 day	Wed 4/10/13	Wed 4/10/13
26	Horizontal delineation complete (off-site)	1 day	Thu 4/10/14	Thu 4/10/14
27	Submit updated CSM	1 day	Mon 9/29/14	Mon 9/29/14
28	CSR submittal	1 day	Wed 3/15/17	Wed 3/15/17



Project: 2012_04_09_VRP_schedule
Date: Mon 4/9/12

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

Appendix A

Warranty Deed Information

Lawyers Title Insurance Corporation
A LANDAMERICA COMPANY

Schedule A – Exhibit A – Parcel 2

Parcel 2:

All that certain tract or parcel of land of triangular shape, situate, lying and being in the Eighth G. M. District of Chatham County, Georgia, near Central Junction, described as follows:

Begin at a stone on the south side of the Louisville Road, said stone being 450 feet, more or less, west of Milepost S-3, Savannah District, measured along the center line of the main track of the Central of Georgia Railway Company, and 192 feet, more or less, southwardly at right angles therefrom; thence continuing southwardly at right angles to Louisville road a distance of 115 feet, more or less, to a point 25 feet distant, southwardly at right angles from the old center line of Midland Railway, which is the beginning point of the property herein conveyed and hereafter described; thence in a southeasterly direction parallel to and 25 feet distant southwardly, at right angles from the old center line of Midland Railway, a distance of 290 feet, more or less, to a point on the northerly right of way line of the Savannah and Atlanta Railway Company; thence in a northwesterly direction along the said northerly right of way line a distance of 240 feet, more or less, to an iron monument; thence in a northeasterly direction a distance of 130 feet, more or less, to the point of beginning, containing .35 acres, more or less, and being more fully shown and described on Central of Georgia Railway Company's Plan No. 120-53, dated December 9, 1932, and recorded in Map Book 2, page 228, said records, reference to which is made for all purposes hereof. Said parcel of land being the same land acquired by Central of Georgia Railway Company from W. H. Proctor by deed dated January 31, 1921, and recorded in Deed Book 16-F, page 405, said records, except a small triangular strip in the southwest corner of said land which was conveyed by the Railway Company to the Savannah and Atlanta Railway, together with other property, by deed dated October 22, 1925.

Being the same property which Paper Makers Chemical Corporation granted and conveyed to Hercules Powder Company, by deed dated November 2, 1936, and recorded in Deed Book 31-Y, page 32, said records.

Lawyers Title Insurance Corporation
A LANDAMERICA COMPANY

Schedule A – Exhibit A – Parcel 4

Parcel 4:

All that certain lot, tract or parcel of land situate, lying and being in Chatham County, Georgia, known and described as the Eastern 4 acres of Lot 12, as shown on a map entitled "Map showing a subdivision of J. H. Roberts' Estate at Central Junction, Chatham County, Georgia, made by W. F. Brown, County Engineer of Chatham County, Georgia, dated July 1915"; said lot being bounded as follows: North by the Louisville Road; East by lands formerly of Brinson; South by lands of the Savannah and Atlanta Railway; and West by the western 4 acres of Lot 12, said subdivision of the J. H. Roberts' Estate.

Being the same property which James R. Sheldon (as to a 1/3 interest) granted and conveyed to Hercules Powder Company, by deed dated September 12, 1945, and recorded in Deed Book 41-X, page 197; which James R. Sheldon, as Executor of the Last Will and Testament of Bessie R. Sheldon, deceased (as to a 1/3 interest), granted and conveyed to Hercules Powder Company, by deed dated September 12, 1945, and recorded in Deed Book 41-X, page 214; and which Emma Walthour Morel (as to a 1/3 interest) granted and conveyed to Hercules Powder Company by deed dated August 31, 1945, and recorded in Deed Book 41-Y, page 86, all of said records.

Schedule A – Exhibit A – Parcel 5

Parcel 5

All those two certain tracts or parcels of land situate, lying and being in Chatham County, Georgia, west of the City of Savannah and more particularly described as follows:

Parcel 5-A: Beginning at the intersection of the northerly property line of Savannah & Ogeechee Canal with the northerly right of way of Seaboard Air Line Railroad, which right of way line is parallel to and 50 feet distance from center line of the main line of Seaboard Air Line Railroad, measured at right angles in a northerly direction, and running from said point in a northwesterly direction parallel to and 50 feet distance from center line of Seaboard Air Line Railroad's main track, measured at right angles in a northerly direction a distance of 1,156.92 feet, more or less, to a point; thence running in a southwesterly direction a distance of 22.5 feet, more or less, to a point, said point being 30 feet, measured at right angles from the center line of Seaboard Air Line Railroad's main track in a northerly direction; thence running in a northwesterly direction parallel to and 30 feet distance from center line of Seaboard Air Line Railroad's main tract, measured at right angles in a northerly direction a distance of 522.9 feet, more or less, to a point; thence running in a northeasterly direction a distance of 15.45 feet, more or less, to a point, said point being 50 feet, measured at right angles from the center line of Savannah & Atlanta Railway Company's main track in a southerly direction; thence running in an easterly direction parallel to and 50 feet distance from the center line of Savannah & Atlanta Railway Company's main track measured at right angles in a southerly direction a distance of 2,442.20 feet, more or less, to a point; thence running in a southerly direction a distance of 39.85 feet, more or less, to a point, said point being on the northerly property line of Savannah & Ogeechee Canal; thence running in a westerly direction along the northerly property line of Savannah & Ogeechee Canal a distance of 104 feet, more or less, to a point; thence running in a westerly direction along the northerly property line of Savannah & Ogeechee Canal a distance of 97.7 feet, more or less, to a point; thence running in a northerly direction along the northerly property line of Savannah & Ogeechee Canal a distance of 18 feet, more or less, to a point; thence running in a southwesterly direction along the northerly property line of Savannah & Ogeechee Canal a distance of 683.4 feet, more or less, to the point of beginning.

The above-mentioned parcel contains 10.007 acres, more or less, and is more particularly shown on Savannah & Atlanta Railway Company's Plan A-19-s, dated November 1955, and recorded in Plat Record Book H, page 137, said records.

Parcel 5-B: Commencing at the intersection of the southerly right of way line of Louisville Road and the easterly line of Lot No. 6, Weilville Subdivision and running in a westerly direction along the southerly right of way line of Louisville Road a distance of 185.13 feet, more or less, to a point that is the point of beginning; thence running in a westerly direction along the southerly line of Louisville Road a distance of 33.33 feet, more or less, to a point; thence running in a southerly direction 403.75 feet, more or less, to a point, said point being 50 feet, measured at right angles from the center line of Savannah & Atlanta Railway Company's main track in a northerly direction; thence running in an easterly direction parallel to and 50 feet distance from the center line of Savannah & Atlanta Railway Company's main track measured at right angles in a northerly direction a distance of 33.33 feet, more or less, to a point; thence running in a northerly direction 406.15 feet, more or less, to the point of beginning.

Schedule A – Exhibit A – Parcel 5 (continued)

The above mentioned parcel contains 0.31 acres, more or less, and is more particularly shown on Savannah & Atlanta Railway Company's Plan A-19-s, dated November 1955, and recorded in Plat Record Book H, page 137, said records.

All of this Parcel 5 being the same property which Savannah & Atlanta Railway Company granted and conveyed to Hercules Powder Company by deed dated September 29, 1956, and recorded in Deed Book 65-Q, page 441, said records.

Lawyers Title Insurance Corporation
A LANDAMERICA COMPANY

Schedule A – Exhibit A – Parcel 9

Parcel 9:

All that certain tract or parcel of land situate, lying and being in the 7th and 8th G. M. Districts of Chatham County, Georgia, located at Central Junction and being the northwestern portion of Lot 11 of the Subdivision of the J. H. Roberts Estate. Said portion of lot hereby conveyed containing 6.99 acres and being more particularly described as follows: Commencing at a point on the southeastern side of U. S. Highway 80 where the extension of the center line of Junction Avenue intersects said southeastern right of way line of U. S. Highway 80; running thence North 55°14' East along said southeastern right of way line a distance of 161.8 feet to a railroad iron; running thence South 70°30' East along the property line which divides the Seaboard Coastline Railroad Property from the Subdivision of the J. H. Roberts Estate a distance of 2,543.5 feet to the point of beginning; running thence South 18°00' West a distance of 50 feet to a point; running thence South 70°30' East a distance of 40 feet to a point; running thence North 18°00' East a distance of 469.0 feet to a point; running thence North 53°35' West a distance of 545.2 feet to a pipe; running thence South 17°19' West a distance of 128.6 feet to a stone; running thence North 72°33' West a distance of 419.0 feet to a stone; running thence South 31°30' East a distance of 368.0 feet to a point; running thence South 58°30' West a distance of 75.0 feet to a point; running thence South 31°30' East to the aforesaid property line; running thence South 70°30' East along said property line a distance of 265.0 feet, more or less, to the point of beginning.

Said property is more specifically described as the northwestern part of Lot 11, containing 6.99 acres, according to a survey prepared for Jack Shearouse dated August 11, 1970, by R. L. Screws under the directions of J. D. McLeod, registered surveyor, which plat is recorded in Plat Record Book U, folio 222, said records.

Being the same property which Jack W. Shearouse granted and conveyed to Hercules Incorporated by deed August 24, 1971, and recorded in Deed Book 99-O, page 17, said records.

Schedule A – Exhibit A – Parcel 11

Parcel 11:

All of that piece or parcel of land situate, lying and being in the City of Savannah, Chatham County, Georgia, and being more particularly described as follows:

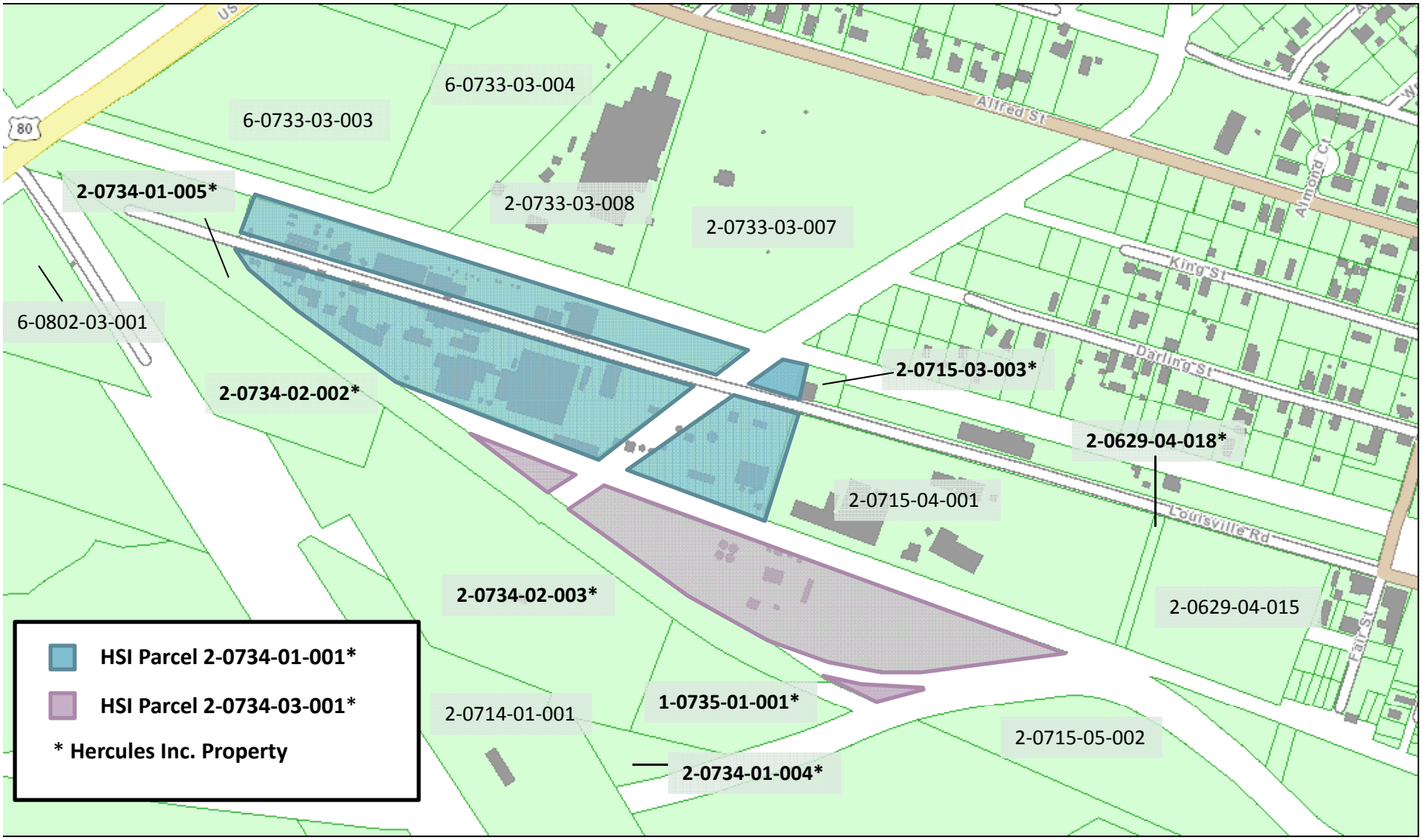
To find the point of beginning, start at the point in the centerline of the main track of the Central of Georgia Railroad Company as it runs between Savannah and Macon, Georgia, opposite Milepost 3; go thence South 76°25'31" East along said centerline a distance of 1024.71 feet; thence South 13°34'29" West a distance of 33 feet to the true point of beginning; thence run South 13°34'29" West a distance of 109.64 feet; thence run North 77°10'00" West along the northerly boundary of Louisville Road, a distance of 238.24 feet; thence continuing North 77°10'39" West along the said northerly boundary of Louisville Road a distance of 880.04 feet; thence run North 76°05'22" West along said northerly boundary of Louisville Road a distance of 1,129.86 feet; thence run North 52°47'37" West a distance of 147.14 feet; thence run North 14°28'53" East a distance of 58.68 feet to a point 33 feet southwardly from, as measured at a right angle to, the centerline of the said main track; thence run South 76°25'31" East along a line which is parallel to and at all points 33 feet southwardly from, as measured at a right angle to the centerline of the said main tract, a distance of 2,381.90 feet, more or less, to the point of beginning: containing 6.412 acres, more or less; and being shown on that certain plat certified by Joseph D. Sims, R.L.S. No. 1923, recorded in Plat Book 4-P, page 189, said records; together with all the improvements thereon, including tracks, ties, ballast and hardware.

Being the same property which Central of Georgia Railroad Company granted and conveyed to Hercules Incorporated by deed dated February 23, 1983, and recorded in Deed Book 121-C, page 218, said records.

Appendix B

Tax Plat Summary

Hercules Inc.
Qualifying Property Boundaries and Abutting Properties
3000 Louisville Road, Savannah, Georgia



Appendix C

Risk Reduction Standards

Table C-1
Risk Reduction Standard Equations for Exposure to Soil
Hazardous Site Response Act (HSRA) Compliance Status Report
Hercules - Savannah, Georgia

ROUTE-SPECIFIC RRSs:

Oral:

$$(RRS_o)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ BW\ x\ (AT_C\ or\ AT_{NC})\ x\ (10^6\ mg/kg)}{IRs\ x\ EF\ x\ ED\ x\ [SF_O\ or\ (1/RfD_O)]}$$

Inhalation:

$$(RRS_i)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ (AT_C\ or\ AT_{NC})\ x\ BW}{[(1/VF)\ +\ (1/PEF)]\ x\ EF\ x\ ED\ x\ [SF_I\ or\ (1/RfD_I)]}$$

where:

$$PEF = \frac{LS\ x\ V\ x\ DH}{A}\ x\ \frac{(1000\ g/kg)\ x\ (3{,}600\ sec/hr)}{RPF\ x\ (1-G)\ x\ (Um/Ut)^3\ x\ F_x}$$

$$VF = \frac{LS\ x\ V\ x\ DH}{A}\ x\ \frac{(3.14\ x\ \alpha\ x\ T)^{1/2}}{2\ x\ Dei\ x\ E\ x\ Kas\ x\ (10^3\ kg/g)}$$

$$\alpha = \frac{Dei\ x\ E}{E\ +\ [ps\ x\ (1-E)/Kas]}$$

$$Dei = Di\ x\ E^{0.33}$$

$$Kas = H/(RT\ x\ Kd)$$

Cancer Effects RRS:

$$RRS_C = \frac{1}{\frac{1}{(RRS_O)_C} + \frac{1}{(RRS_I)_C}}$$

Non-Cancer Effects RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{(RRS_O)_{NC}} + \frac{1}{(RRS_I)_{NC}}}$$

RRS = Minimum result of RRS_C and RRS_{NC}.

where:

α	Alpha; calculation intermediate (cm^2/sec).
A	Contiguous area of contamination (20,250,000 cm^2; USEPA [1991] default).
AT_C	Averaging time for cancer effects (25,550 days).
AT_{NC}	Averaging time for non-cancer effects (10,950 for adult residents; 2,190 days for child residents; 9,125 days for site workers); ED x 365 days/year.
BW	Body weight (70 kg for adult receptors; 15 kg for child resident
DH	Diffusion Height (2 m, USEPA [1991] default
Dei	Effective diffusivity (cm^2/sec).
Di	Diffusivity in air (cm^2/sec); constituent specific.
E	Total soil porosity (0.35 unitless, USEPA default)
ED	Exposure duration (30 years for adult resident; 6 years for child resident; 25 years for site worke
EF	Exposure frequency (350 days/year for resident receptors; 250 days/year for site worke
Foc	Fraction organic carbon in soil (0.02 unitless, USEPA default
Fx	Function of Ut/Um (unitless); Fx = 0.18 x [$8x^3$ + 12x] x exp($-x^2$), where x = 0.886 x (Ut/Um).
G	Fraction of vegetative cover (unitless) (0
H	Henry's Law Constant (atm-m^3/mol); constituent specific.
IR_{air}	Inhalation rate (15 m^3/day for residents; 20 m^3/day for site workers).
IR_{soil}	Incidental soil ingestion rate (114 mg/day for adult resident; 200 mg/day for child resident; 50 mg/day for site worker).

Table C-1
Risk Reduction Standard Equations for Exposure to Soil
Hazardous Site Response Act (HSRA) Compliance Status Report
Hercules - Savannah, Georgia

Kas	Soil-air partition coefficient (g soil/ cm^3 air).
Kd	Soil-water partition coefficient (cm^3/g or mL/g); constituent specific. Kd is calculated as Foc × Koc.
Koc	Organic carbon partition coefficient (cm^3/g or mL/g); constituent specific.
LS	Length of side of contaminated area (45 m, USEPA default
PEF	Particulate emission factor (4.63 x 10^9 m^3/kg, USEPA default).
ps	True soil or particle density (2.65 g/cm^3, USEPA default).
RfDi	Reference dose for inhalation (mg/kg/day
RfDo	Reference dose for ingestion (mg/kg/day
RPF	Respirable particle fraction (0.036 g/m^2/hr).
RRS	Risk reduction standard for soil (mg/kg); minimum of the RRS_C (based on cancer effects) and the RRS_{NC} (based on non-cancer effects), which are based on the route-specfic RRSs (RRSo for the oral route and RRSi for the inhalation route)
RT	Product of the ideal gas constant (8.206 x 10^{-5} atm-m^3/mol/K) and the absolute temperature (K); RT = 0.02445 atm-m^3/mol at 25ºC (298 K).
SF	Cancer slope factor or oral (SF_o) or inhalation (SF_i) exposure (kg-day/mg).
T	Exposure interval (7.9 x 108 sec, USEPA default
TCR	Target cancer risk (unitless); results presented for TCR value of 10^{-6} (10^{-4} for Class C carcinogens).
THI	Target hazard index (unitless); results presented for THI value of
Um	Wind speed, annual average (3.0 m/sec)
Ut	Equivalent threshold value of windspeed at 10 meters (12.8 m/sec
V	Wind speed in the mixing zone (2.25 m/sec, USEPA default
VF	Volatilization factor (m^3/kg).

SAMPLE CALCULATIONS, Benzene, Industrial Exposure (Type 4)

$$x = 0.886 \times \frac{12.8\ \text{m/sec}}{3.0\ \text{m/sec}} = 3.780$$

$$Fx = 0.18\,[(8 \times 3.780^3) + (12 \times 3.78)] \times \exp(-(3.780^2)) = 5.36\text{E-}05$$

$$Dei = 0.089\ \text{cm2/sec} \times (0.35)0.33 = 6.29\text{E-}02\ \text{cm}^2\text{/sec}$$

$$Kas = \frac{5.55\text{E-}03\ \text{atm-m}^3\text{/mol}}{5.55\text{E-}03\ \text{atm-m}^3\text{/mol} \times 0.02 \times 145.8\ \text{cm}^3\text{/g}} = 7.78\text{E-}02\ \text{g/cm}^3$$

$$\alpha = \frac{0.06294\ \text{cm}^2\text{/sec} \times 0.35}{0.35 + [2.65\ \text{g/cm}^3 \times (1 - 0.35)/\ 7.78\text{E-}02\ \text{g/cm}^3)]}$$

$$= 9.80\text{E-}04\ \text{cm}^2\text{/sec}$$

$$VF = \frac{45\ \text{m} * 2.25\ \text{m/s} * 2\ \text{m}}{2.03 \times 10^7\ \text{cm}^2} \times \frac{(3.14 \times 9.80\text{E-}04\ \text{cm}^2\text{/sec} \times 7.9 \times 10^8\ \text{sec})^{1/2}}{2 \times 6.29\text{E-}02\ \text{cm}^2\text{/sec} \times 0.35 \times 7.78\text{E-}02\ \text{g/cm}^3 \times 10^{-3}\ \text{kg/g}}$$

$$= 4{,}535\ \text{m}^3\text{/kg}$$

Table C-1
Risk Reduction Standard Equations for Exposure to Soil
Hazardous Site Response Act (HSRA) Compliance Status Report
Hercules - Savannah, Georgia

CANCER EFFECTS:

Oral:

$$(RRS_O)_C = \frac{10^{-5} \times 70\text{ kg} \times 25{,}550\text{ days} \times 10^6\text{ mg/kg}}{50\text{ mg/day} \times 250\text{ days/yr} \times 25\text{ yrs} \times (0.055\text{ kg-day/m}}$$

$$= 1{,}040\text{ mg/kg}$$

Inhalation:

$$(RRS_I)_C = \frac{10^{-5} \times 70\text{ kg} \times 25{,}550\text{ days}}{[(1/2{,}818\text{ m}^3\text{/kg}) + (1/4.63 \times 109\text{ m}^3\text{/kg})] \times 250\text{ days/yr} \times 25\text{ yrs} \times 20\text{ m}^3\text{/day} \times 2.73\text{E-02 kg-day/mg})}$$

$$= 23.8\text{ mg/kg}$$

CANCER EFFECTS RRS:

$$RRS_C = \frac{1}{\frac{1}{1{,}040} + \frac{1}{23.8}} = 23\text{ mg/kg}$$

NON-CANCER EFFECTS:

Oral:

$$(RRS_O)_{NC} = \frac{1 \times 70\text{ kg} \times 9{,}125\text{ days} \times 10^6\text{ mg/kg}}{50\text{ mg/day} \times 250\text{ days/yr} \times 25\text{ yrs} \times [1/\ 0.004\text{ mg/kg-da}}$$

$$= 20{,}440\text{ mg/kg}$$

Inhalation:

$$(RRS_I)_{NC} = \frac{1 \times 70\text{ kg} \times 9{,}125\text{ days}}{[(1/2{,}818\text{ m}^3\text{/kg}) + (1/4.63 \times 109\text{ m}^3\text{/kg})] \times 250\text{ days/yr} \times 25\text{ yrs} \times 20\text{ m}^3\text{/day} \times (1/\ 8.60\text{E-03 kg-day/mg})}$$

$$= 1{,}109\text{ mg/kg}$$

NON-CANCER EFFECTS RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{20{,}440} + \frac{1}{1{,}109}} = 1{,}050\text{ mg/kg}$$

RRS = Minumum result of RRSC (23 mg/kg) and RRSNC (1050 mg/kg) = 23 mg/kg

Table C-2
Risk Reduction Standard Equations for Exposure to Groundwater
Hazardous Site Response Act (HSRA) Compliance Status Report
Hercules - Savannah, Georgia

ROUTE-SPECIFIC RRSs:

Oral:

$$(RRS_o)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ BW\ x\ (AT_C\ or\ AT_{NC})}{IR_w\ x\ EF\ x\ ED\ x\ [SF_O\ or\ (1/RfD_O)]}$$

Inhalation:

$$(RRS_i)_{C\ or\ NC} = \frac{(TCR\ or\ THI)\ x\ (AT_C\ or\ AT_{NC})\ x\ BW}{K\ x\ IR_a\ x\ EF\ x\ ED\ x\ [SF_I\ or\ (1/RfD_I)]}$$

Cancer Effects RRS:

$$RRS_C = \frac{1}{\frac{1}{(RRS_O)_C} + \frac{1}{(RRS_I)_C}}$$

Non-Cancer Effects RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{(RRS_O)_{NC}} + \frac{1}{(RRS_I)_{NC}}}$$

RRS = Minimum result of RRS_C and RRS_{NC}.

where:

AT_C	Averaging time for cancer effects (25,550 days).
AT_{NC}	Averaging time for non-cancer effects (10,950 for adult residents; 2,190 days for child residents; 9,125 days for site workers); ED x 365 days/year.
BW	Body weight (70 kg for adult receptors; 15 kg for child resident
ED	Exposure duration (30 years for adult resident; 6 years for child resident; 25 years for site worke
EF	Exposure frequency (250 days/year)
IR_{air}	Inhalation rate (15 m^3/day for residents; 20 m^3/day for site workers).
IR_w	Ingestion rate of drinking water (2 L/day for adult residents; 1 L/day for child residents and site workers) (USEPA 1997a).
K	Volatilization factor for volatile organic compounds (VOCs) from household tap water (0.5 L/m^3) (USEPA 1991).
RfDi	Reference dose for inhalation (mg/kg/day
RfDo	Reference dose for ingestion (mg/kg/day)
RRS	Risk reduction standard for soil (mg/L); minimum of the RRS_C (based on cancer effects) and the RRS_{NC} (based on non-cancer effects), which are based on the route-specfic RRSs (RRSo for the oral route an RRSi for the inhalation route)
TCR	Target cancer risk (unitless); results presented for TCR value of 10^{-5} (10^{-4} for Class C carcinogens).
THI	Target hazard index (unitless); results presented for THI value of

Table C-2
Risk Reduction Standard Equations for Exposure to Groundwater
Hazardous Site Response Act (HSRA) Compliance Status Report
Hercules - Savannah, Georgia

SAMPLE CALCULATIONS, Benzene, Industrial Exposure (Type 4)

CANCER EFFECTS:

Oral:

$$(RRS_O)_C = \frac{10^{-5} \times 70\text{ kg} \times 25{,}550\text{ days}}{1\text{ L/day} \times 250\text{ days/yr} \times 25\text{ yrs} \times (0.055\text{ kg-day/m}}$$

$$= 0.0520\text{ mg/L}$$

Inhalation:

$$(RRS_I)_C = \frac{10^{-5} \times 70\text{ kg} \times 25{,}550\text{ days}}{0.5\text{ L/m}^3 \times 250\text{ days/yr} \times 25\text{ yrs} \times 20\text{ m}^3\text{/day} \times 0.0273\text{ kg-day/mg})}$$

$$= 0.010\text{ mg/L}$$

CANCER EFFECTS RRS:

$$RRS_C = \frac{1}{\frac{1}{0.0520} + \frac{1}{0.01048}} = 0.0087\text{ mg/L}$$

NON-CANCER EFFECTS:

Oral:

$$(RRS_O)_{NC} = \frac{1 \times 70\text{ kg} \times 9{,}125\text{ days}}{1\text{ L/day} \times 250\text{ days/yr} \times 25\text{ yrs} \times [1/0.004\text{ mg/kg-da}}$$

$$= 0.4\text{ mg/L}$$

Inhalation:

$$(RRS_I)_{NC} = \frac{1 \times 70\text{ kg} \times 9{,}125\text{ days}}{0.5\text{ L/m}^3 \times 250\text{ days/yr} \times 25\text{ yrs} \times 20\text{ m}^3\text{/day} \times 1/0.00857142857142857\text{ kg-day/mg})}$$

$$= 0.09\text{ mg/L}$$

NON-CANCER EFFECTS RRS:

$$RRS_{NC} = \frac{1}{\frac{1}{0.4} + \frac{1}{0.09}} = 0.072\text{ mg/L}$$

RRS = Minumum result of RRSC (0.0087 mg/L) and RRSNC (0.072 mg/L) = 0.0087 mg/L

Table C-3
Toxicity Values
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Cancer Effects: Cancer Slope Factors (CSF): CSFo Oral (kg-day/mg)	ref	CSFi Inhalation (kg-day/mg)	ref	Weight of Evidence	Target Cancer Risk (TCR) (for Type 3)	Noncancer Effects: Reference Doses (RfD): RfDo Oral (mg/kg/day)	ref	RfDi Inhalation (mg/kg/day)	ref
Volatile Organic Compounds										
Acetone	NA		NA		D	NC	9.0E-01	I	8.9E+00	A
Acetonitrile	NA		NA		D	NC	NA		1.7E-02	I
Acetophenone	NA		NA		D	NC	1.0E-01	I	NA	
Acrolein	NA		NA		C	1.0E-04	5.0E-04	I	5.7E-06	I
Benzene	5.5E-02	I	2.7E-02	I	A	1.0E-05	4.0E-03	I	8.6E-03	I
Biphenyl	8.0E-03	P	NA		SU	1.0E-05	5.0E-02	I	1.1E-04	P
Carbon disulfide	NA		NA		NA	NC	1.0E-01	I	2.0E-01	I
Chlorobenzene	NA		NA		D	NC	2.0E-02	I	1.4E-02	P
trans-1,4-Dichlorobutene	NA		1.5E+01	P	B3	1.0E-05	NA		NA	
1,2-Dichloropropane	3.6E-02	C	3.5E-02	C	B2	1.0E-05	9.0E-02	A	1.1E-03	I
1,4-Dichloro-2-butene	NA		1.5E+01	P	SU	1.0E-05	NA		NA	
Ethylbenzene	1.1E-02	C	8.8E-03	C	*	1.0E-05	1.0E-01	I	2.9E-01	I
Ethyl Methacrylate	NA		NA		NA	NC	9.0E-02	H	NA	
Isobutyl alcohol	NA		NA		NA	NC	3.0E-01	I	NA	
Methyl ethyl ketone	NA		NA		D	NC	6.0E-01	I	1.4E+00	I
Methyl isobutyl ketone	NA		NA		NA	NC	8.0E-02	H	8.6E-01	I
Styrene	NA		NA		NA	NC	2.0E-01	I	2.9E-01	I
Tetrachloroethene	2.1E-03	I	9.1E-04	I	L	1.0E-05	6.0E-03	I	1.1E-02	I
Toluene	NA		NA		D	NC	8.0E-02	I	1.4E+00	I
Xylenes (total)	NA		NA		D	NC	2.0E-01	I	2.9E-02	I
m-Xylene	NA		NA		D	NC	2.0E-01	I	2.9E-02	I
o-Xylene	NA		NA		D	NC	2.0E-01	I	2.9E-02	I
p-Xylene	NA		NA		D	NC	2.0E-01	I	2.9E-02	I
m & p-Xylenes	NA		NA		D	NC	2.0E-01	I	2.9E-02	I
Semi Volatile Organic Compounds										
Aniline	5.7E-03	I	5.6E-03	C	B2	1.0E-05	7.0E-03	P	2.9E-04	I
Bis(2-ethylhexyl)phthalate	1.4E-02	I	8.4E-03	C	B2	1.0E-05	2.0E-02	I	NA	
Butyl benzyl phthalate	1.9E-03	P	NA		C	1.0E-04	2.0E-01	I	NA	
Total Cresols	NA		NA		C	1.0E-04	1.0E-01	A	1.7E-01	C
m & p-Cresols	NA		NA		NA	NC	1.0E-01	X	NA	
m-Cresol	NA		NA		C	1.0E-04	5.0E-02	I	1.7E-01	C
o-Cresol	NA		NA		C	1.0E-04	5.0E-02	I	1.7E-01	C
p-Cresol	NA		NA		C	1.0E-04	5.0E-03	H	1.7E-01	C
Dibenzofuran	NA		NA		D	NC	1.0E-03	X	NA	

Table C-3
Toxicity Values
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Cancer Effects: Cancer Slope Factors (CSF) CSFo Oral (kg-day/mg)	ref	CSFi Inhalation (kg-day/mg)	ref	Weight of Evidence	Target Cancer Risk (TCR) (for Type 3)	Noncancer Effects: Reference Doses (RfD) RfDo Oral (mg/kg/day)	ref	RfDi Inhalation (mg/kg/day)	ref
2,4-Dimethylphenol	NA		NA		NA	NC	2.0E-02	I	NA	
m-Dinitrobenzene	NA		NA		D	NC	1.0E-04	I	NA	
Di-n-octyl phthalate	NA		NA		D	NC	NA		NA	
1,4-Dioxane	1.0E-01	I	2.7E-02	C	B2	1.0E-05	3.0E-02	I	8.6E-01	C
Formaldehyde	NA		4.6E-02	I	B1	1.0E-05	2.0E-01	I	2.8E-03	A
N-Nitrosodi-n-butylamine	5.4E+00	I	5.6E+00	I	B2	1.0E-05	NA		NA	
N-Nitroso-n-methylethylamine	2.2E+01	I	2.2E+01	C	B2	1.0E-05	NA		NA	
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	NA		NA		NA	NC	6.0E-02	I	NA	
Acenaphthylene	NA		NA		D	NC	NA		NA	
Anthracene	NA		NA		D	NC	3.0E-01	I	NA	
Benzo(a)anthracene	7.3E-01	E	3.9E-01	C	B2	1.0E-05	NA		NA	
Benzo(a)pyrene	7.3E+00	I	3.9E+00	C	B2	1.0E-05	NA		NA	
Benzo(b)fluoranthene	7.3E-01	E	3.9E-01	C	B2	1.0E-05	NA		NA	
Benzo(g,h,i)perylene	NA		NA		D	NC	NA		NA	
Benzo(k)fluoranthene	7.3E-02	E	3.9E-01	C	B2	1.0E-05	NA		NA	
Chrysene	7.3E-03	E	3.9E-02	C	B2	1.0E-05	NA		NA	
Dibenzo(a,h)anthracene	7.3E+00	E	4.2E+00	C	B2	1.0E-05	NA		NA	
Fluoranthene	NA		NA		D	NC	4.0E-02	I	NA	
Fluorene	NA		NA		D	NC	4.0E-02	I	NA	
Indeno(1,2,3-cd)pyrene	7.3E-01	E	3.9E-01	C	B2	1.0E-05	NA		NA	
Naphthalene	NA		1.2E-01	C	C	1.0E-04	2.0E-02	I	8.6E-04	I
Phenanthrene	NA		NA		D	NC	NA		NA	
Pyrene	NA		NA		D	NC	3.0E-02	I	NA	
Dioxins										
2,3,7,8-TCDD Toxicity Equivalents	1.3E+05	C	1.3E+05	C	B2	1.0E-05	1.0E-09	A	1.1E-08	C
Pesticides										
Endrin	NA		NA		D	NC	3.0E-04	I	NA	
Endrin aldehyde	NA		NA		D	NC	NA		NA	
4,4'-DDT	3.4E-01	I	3.4E-01	I	B2	1.0E-05	5.0E-04	I	NA	
Methoxychlor	NA		NA		D	NC	5.0E-03	I	NA	
Parathion	NA		NA		C	1.0E-04	6.0E-03	H	NA	
Polychlorinated Biphenyls										
Aroclor 1254	2.0E+00	I	2.0E+00	I	B2	1.0E-05	2.0E-05	I	NA	
Aroclor 1260	2.0E+00	I	2.0E+00	I	B2	1.0E-05	NA		NA	

Table C-3
Toxicity Values
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Cancer Effects: Cancer Slope Factors (CSF): CSFo Oral (kg-day/mg)	ref	CSFi Inhalation (kg-day/mg)	ref	Weight of Evidence	Target Cancer Risk (TCR) (for Type 3)	Noncancer Effects: Reference Doses (RfD): RfDo Oral (mg/kg/day)	ref	RfDi Inhalation (mg/kg/day)	ref
Total PCBs	2.0E+00	I	2.0E+00	I	B2	1.0E-05	2.0E-05	I	NA	
Inorganics										
Ammonia (as N)	NA		NA		NA	NC	NA		2.9E-02	I
Asbestos	NA		NA		NA	NC	NA		NA	
Fluoride	NA		NA		NA	NC	4.0E-02	C	3.7E-03	C

References [ref]:

A Agency for Toxic Substances Disease Registry (ATDSR) (ATSDR 2012).
C CalEPA, Toxicity Criteria database (CalEPA 2012).
E Environmental Criteria and Assessment Office as referenced in the USEPA Regional Screening Level Table (USEPA 2011).
H USEPA, Health Effects Summary Table (HEAST; USEPA 1997b).
I USEPA, Integrated Risk Information System (IRIS; USEPA 2012).
P Provisional Peer Reviewed Toxicity Values (PPRTV) as referenced in the USEPA Regional Screening Level Table (USEPA 2011).
X PPRTV Appendix as referenced in the USEPA Regional Screening Level Table (USEPA 2011).

USEPA cancer weight-of-evidence categories are as follows:

Group A: Human Carcinogen (sufficient evidence of carcinogenicity in humans)
Group B: Probable Human Carcinogen
B1 - limited evidence of carcinogenicity in humans
B2 - sufficient evidence of carcinogenicity in animals with inadequate or lack of evidence in humans
Group C: Possible Human Carcinogen (limited evidence of carcinogenicity in animals and inadequate or lack of human data)
Group D: Not Classifiable as to Human Carcinogenicity (inadequate or no evidence)
Group E: Evidence of Noncarcinogenicity for Humans (no evidence of carcinogenicity in adequate studies)
*: The IRIS summary for ethylbenzene states that ethylbenzene is not classifiable as to human carcinogenicity due to the lack of animal bioassays and human studi
L: Likely carcinogen.
SU: Suggestive evidence of carcinogenic potential.

kg-day/mg Kilogram-day per milligram. mg/kg-day Milligram per kilogram-day NA Not Available. NC Not a carcinogen.

Table C-4
Physical-Chemical Properties of the Detected Soil Constiutents
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Henry's Law Constant (atm-m³/mol) (25 °C)	[ref]	Diffusivity in Air (cm²/sec)	[ref]	Effective Diffusivity (cm²/sec) (calc)	Molecular Weight (g/mole)	[ref]	Koc or Kd (cm^3/g)	[ref]	Kas (g/cm³) (calc)	alpha (cm²/sec) (calc)	Volatilization Factor (VF) (m³/kg) (calc)
Volatile Organic Compounds												
Acetone	3.50E-05	RSL	1.06E-01	RSL	7.49E-02	58.08	RSL	2.36E+00	RSL	3.03E-02	4.58E-04	6.72E+03
Acetonitrile	3.45E-05	RSL	1.34E-01	RSL	9.48E-02	41.05	RSL	4.67E+00	RSL	1.51E-02	2.90E-04	8.47E+03
Acetophenone	1.04E-05	RSL	6.52E-02	RSL	4.61E-02	120.15	RSL	5.19E+01	RSL	4.10E-04	3.84E-06	7.38E+04
Acrolein	1.22E-04	RSL	1.12E-01	RSL	7.90E-02	56.06	RSL	1.00E+00	RSL	2.49E-01	3.81E-03	2.23E+03
Benzene	5.55E-03	RSL	8.95E-02	RSL	6.33E-02	78.11	RSL	1.46E+02	RSL	7.78E-02	9.86E-04	4.53E+03
Biphenyl	3.08E-04	RSL	4.71E-02	RSL	3.33E-02	154.21	RSL	5.13E+03	RSL	1.23E-04	8.30E-07	1.59E+05
Carbon disulfide	1.44E-02	RSL	1.06E-01	RSL	7.53E-02	76.13	RSL	2.17E+01	RSL	1.36E+00	1.63E-02	8.89E+02
Chlorobenzene	3.11E-03	RSL	7.21E-02	RSL	5.10E-02	112.56	RSL	2.34E+02	RSL	2.72E-02	2.80E-04	8.59E+03
trans-1,4-Dichlorobutene	6.64E-04	RSL	6.64E-02	RSL	4.69E-02	125	RSL	1.32E+02	RSL	1.03E-02	9.83E-05	1.46E+04
1,2-Dichloropropane	2.82E-03	RSL	7.33E-02	RSL	5.19E-02	112.99	RSL	6.07E+01	RSL	9.50E-02	9.82E-04	4.53E+03
1,4-Dichloro-2-butene	6.64E-04	RSL	6.65E-02	RSL	4.70E-02	125	RSL	1.32E+02	RSL	1.03E-02	9.85E-05	1.45E+04
Ethylbenzene	7.88E-03	RSL	6.85E-02	RSL	4.84E-02	106.17	RSL	4.46E+02	RSL	3.61E-02	3.53E-04	7.64E+03
Ethyl Methacrylate	5.73E-04	RSL	6.53E-02	RSL	4.62E-02	114.15	RSL	1.67E+01	RSL	7.03E-02	6.51E-04	5.59E+03
Isobutyl alcohol	9.78E-06	RSL	8.97E-02	RSL	6.34E-02	74.12	RSL	2.92E+00	RSL	6.85E-03	8.82E-05	NV
Methyl ethyl ketone	5.69E-05	RSL	9.14E-02	RSL	6.47E-02	72.11	RSL	4.51E+00	RSL	2.58E-02	3.37E-04	7.83E+03
Methyl isobutyl ketone	1.38E-04	RSL	6.98E-02	RSL	4.93E-02	100.16	RSL	1.26E+01	RSL	2.24E-02	2.24E-04	9.63E+03
Styrene	2.75E-03	RSL	7.11E-02	RSL	5.03E-02	104.15	RSL	4.46E+02	RSL	1.26E-02	1.28E-04	1.27E+04
Tetrachloroethene	1.77E-02	RSL	5.05E-02	RSL	3.57E-02	165.83	RSL	9.49E+01	RSL	3.81E-01	2.57E-03	2.65E+03
Toluene	6.64E-03	RSL	7.78E-02	RSL	5.50E-02	92.14	RSL	2.34E+02	RSL	5.81E-02	6.41E-04	5.64E+03
Xylenes (total)	5.18E-03	RSL	8.47E-02	RSL	5.99E-02	106.17	RSL	3.83E+02	RSL	2.77E-02	3.35E-04	7.86E+03
m-Xylene	7.18E-03	RSL	6.84E-02	RSL	4.83E-02	106.17	RSL	3.75E+02	RSL	3.91E-02	3.81E-04	7.35E+03
o-Xylene	5.18E-03	RSL	6.89E-02	RSL	4.87E-02	106.17	RSL	3.83E+02	RSL	2.77E-02	2.72E-04	8.71E+03
p-Xylene	6.90E-03	RSL	6.82E-02	RSL	4.83E-02	106.17	RSL	3.75E+02	RSL	3.76E-02	3.66E-04	7.50E+03
m & p-Xylenes	7.50E-03	SCDM	7.35E-02	J&E	5.20E-02	106.17	SCDM	1.60E+02	CFATE	9.59E-02	9.93E-04	4.50E+03
Semi Volatile Organic Compounds												
Aniline	2.02E-06	RSL	8.30E-02	RSL	5.87E-02	93.13	RSL	7.02E+01	RSL	5.88E-05	7.02E-07	NV
Bis(2-ethylhexyl)phthalate	2.70E-07	RSL	1.73E-02	RSL	1.23E-02	390.57	RSL	1.20E+05	RSL	4.62E-09	1.15E-11	NV
Butyl benzyl phthalate	1.26E-06	RSL	2.08E-02	RSL	1.47E-02	312.37	RSL	7.16E+03	RSL	3.60E-07	1.08E-09	NV
Total Cresols	1.20E-06	RSL	8.37E-02	RSL	5.92E-02	108.14	RSL	3.07E+02	RSL	8.01E-06	9.63E-08	NV
m & p-Cresols	2.45E-06	RSL	6.96E-02	RSL	4.92E-02	142.59	RSL	4.92E+02	RSL	1.02E-05	1.02E-07	NV
m-Cresol	8.56E-07	RSL	7.29E-02	RSL	5.15E-02	108.14	RSL	3.00E+02	RSL	5.83E-06	6.10E-08	NV

Table C-4
Physical-Chemical Properties of the Detected Soil Constiutents
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Henry's Law Constant (atm-m³/mol) (25 °C)	[ref]	Diffusivity in Air (cm²/sec)	[ref]	Effective Diffusivity (cm²/sec) (calc)	Molecular Weight (g/mole)	[ref]	Koc or Kd (cm^3/g)	[ref]	Kas (g/cm³) (calc)	alpha (cm²/sec) (calc)	Volatilization Factor (VF) (m³/kg) (calc)
o-Cresol	1.20E-06	RSL	7.28E-02	RSL	5.15E-02	108.14	RSL	3.07E+02	RSL	8.01E-06	8.38E-08	NV
p-Cresol	1.00E-06	RSL	7.24E-02	RSL	5.12E-02	108.14	RSL	3.00E+02	RSL	6.81E-06	7.08E-08	NV
Dibenzofuran	2.13E-04	RSL	4.10E-02	RSL	2.90E-02	168.2	RSL	9.16E+03	RSL	4.75E-05	2.80E-07	2.73E+05
2,4-Dimethylphenol	9.51E-07	RSL	6.22E-02	RSL	4.40E-02	122.17	RSL	4.92E+02	RSL	3.95E-06	3.54E-08	NV
m-Dinitrobenzene	4.90E-08	RSL	4.85E-02	RSL	3.43E-02	168.11	RSL	3.52E+02	RSL	2.85E-07	1.99E-09	NV
Di-n-octyl phthalate	6.68E-05	SCDM	1.51E-02	J&E	1.07E-02	390.56	SCDM	8.38E+07	SCDM	1.63E-09	3.54E-12	NV
1,4-Dioxane	4.80E-06	RSL	8.74E-02	RSL	6.18E-02	88.11	RSL	2.63E+00	RSL	3.73E-03	4.68E-05	NV
Formaldehyde	3.37E-07	RSL	1.67E-01	RSL	1.18E-01	30.03	RSL	1.00E+00	RSL	6.89E-04	1.65E-05	NV
N-Nitrosodi-n-butylamine	1.32E-05	RSL	6.49E-02	RSL	4.59E-02	158.25	RSL	9.15E+02	RSL	2.95E-05	2.75E-07	2.76E+05
N-Nitroso-n-methylethylamine	1.44E-06	RSL	9.60E-02	RSL	6.79E-02	88.11	RSL	4.35E+01	RSL	6.77E-05	9.34E-07	NV
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	1.84E-04	RSL	5.06E-02	RSL	3.58E-02	154.21	RSL	5.03E+03	RSL	7.49E-05	5.44E-07	1.96E+05
Acenaphthylene	1.13E-04	SCDM	4.39E-02	RAIS	3.10E-02	152.2	SCDM	3.09E+03	SCDM	7.48E-05	4.72E-07	2.11E+05
Anthracene	5.56E-05	RSL	3.90E-02	RSL	2.76E-02	178.24	RSL	1.64E+04	RSL	6.95E-06	3.89E-08	7.33E+05
Benzo(a)anthracene	1.20E-05	RSL	5.09E-02	RSL	3.60E-02	228.3	RSL	1.77E+05	RSL	1.39E-07	1.01E-09	NV
Benzo(a)pyrene	4.57E-07	RSL	4.76E-02	RSL	3.37E-02	252.32	RSL	5.87E+05	RSL	1.59E-09	1.09E-11	NV
Benzo(b)fluoranthene	6.57E-07	RSL	4.76E-02	RSL	3.37E-02	252.32	RSL	5.99E+05	RSL	2.24E-09	1.53E-11	NV
Benzo(g,h,i)perylene	1.41E-07	SCDM	4.20E-02	L90-calc	2.97E-02	276.34	SCDM	3.86E+06	SCDM	7.47E-11	4.51E-13	NV
Benzo(k)fluoranthene	5.84E-07	RSL	4.76E-02	RSL	3.37E-02	252.32	RSL	5.87E+05	RSL	2.03E-09	1.39E-11	NV
Chrysene	5.23E-06	RSL	2.61E-02	RSL	1.85E-02	228.3	RSL	1.81E+05	RSL	5.93E-08	2.22E-10	NV
Dibenzo(a,h)anthracene	1.41E-07	RSL	4.46E-02	RSL	3.15E-02	278.36	RSL	1.91E+06	RSL	1.51E-10	9.66E-13	NV
Fluoranthene	8.86E-06	RSL	2.76E-02	RSL	1.95E-02	202.26	RSL	5.55E+04	RSL	3.27E-07	1.30E-09	NV
Fluorene	9.62E-05	RSL	4.40E-02	RSL	3.11E-02	166.22	RSL	9.16E+03	RSL	2.15E-05	1.36E-07	3.93E+05
Indeno(1,2,3-cd)pyrene	3.48E-07	RSL	4.48E-02	RSL	3.17E-02	276.34	RSL	1.95E+06	RSL	3.65E-10	2.35E-12	NV
Naphthalene	4.40E-04	RSL	6.05E-02	RSL	4.28E-02	128.18	RSL	1.54E+03	RSL	5.83E-04	5.07E-06	6.42E+04
Phenanthrene	2.33E-05	SCDM	5.43E-02	L90-calc	3.84E-02	178.23	SCDM	2.97E+04	SCDM	1.60E-06	1.25E-08	1.29E+06
Pyrene	1.19E-05	RSL	2.78E-02	RSL	1.97E-02	202.26	RSL	5.43E+04	RSL	4.48E-07	1.79E-09	NV
Dioxins												
2,3,7,8-TCDD Toxicity Equivalents	5.00E-05	RSL	1.43E-02	RAIS	1.01E-02	321.98	RSL	2.49E+05	RSL	4.10E-07	8.43E-10	NV
Pesticides												
Endrin	1.00E-05	RSL	3.62E-02	RSL	2.56E-02	380.91	RSL	2.01E+04	RSL	1.02E-06	5.29E-09	NV
Endrin aldehyde	2.90E-09	HSDB	4.64E-02	L90-calc	3.28E-02	380.91	EPI	3.27E+03	EPI	1.81E-09	1.21E-11	NV

Table C-4
Physical-Chemical Properties of the Detected Soil Constiutents
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Henry's Law Constant (atm-m³/mol) (25 °C)	[ref]	Diffusivity in Air (cm²/sec)	[ref]	Effective Diffusivity (cm²/sec) (calc)	Molecular Weight (g/mole)	[ref]	Koc or Kd (cm^3/g)	[ref]	Kas (g/cm³) (calc)	alpha (cm²/sec) (calc)	Volatilization Factor (VF) (m³/kg) (calc)
4,4'-DDT	8.32E-06	RSL	3.79E-02	RSL	2.68E-02	354.49	RSL	1.69E+05	RSL	1.01E-07	5.50E-10	NV
Methoxychlor	2.03E-07	RSL	2.21E-02	RSL	1.56E-02	345.66	RSL	2.69E+04	RSL	1.54E-08	4.90E-11	NV
Parathion	2.98E-07	RSL	2.29E-02	RSL	1.62E-02	291.26	RSL	2.42E+03	RSL	2.52E-07	8.30E-10	NV
Polychlorinated Biphenyls												
Aroclor 1254	2.83E-04	RSL	4.01E-02	RSL	2.83E-02	326.44	RSL	1.31E+05	RSL	4.43E-06	2.55E-08	NV
Aroclor 1260	3.36E-04	RSL	3.53E-02	RSL	2.49E-02	395.33	RSL	3.50E+05	RSL	1.96E-06	9.96E-09	NV
Total PCBs	2.83E-04	RSL	4.01E-02	RSL	2.83E-02	326.44	RSL	1.31E+05	RSL	4.43E-06	2.55E-08	NV
Inorganics												
Ammonia (as N)	1.61E-05	RSL	2.42E-01	L90-calc	1.71E-01	17.03	RSL	4.95E+03	SCDM	6.65E-06	2.31E-07	NV
Asbestos	NA		NA		NA	NA		NA		NA	NA	NA
Fluoride	NA		NA		NA	NA		NA		NA	NA	NA

Notes:
Parameters were obtained from USEPA Regional Screening Level (RSL) Table (2011) where available, otherwise, they were obtained from literature sources cited as follows: CFATE (SRC 2008); HSDB (NLM 2008); J&E (USEPA 2003); Lyman, et al. (L90, 1990); RAIS (ORNL 2009); SCDM (USEPA 2004).

alpha	attenuation coefficient - calculation intermediate.	cm^3/g	Cubic centimeter per gram.	m^3/kg	Cubic meter per kilogram.
atm-m^3/mole	Atmosphere - cubic meter per mole.	g/cm^3	Gram per cubic centimeter.	NA	Not available or applicable.
calc	Calculated.	Koc	Organic carbon partition coefficient.	NV	Not volatile.
cm^2/sec	Square centimeter per second.	Kas	Soil-air partition coefficient.	ref	Reference.

Table C-5
Comparison of Maximum Concentrations Detected in Soil to Types 1 and 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 1 RRS [a] (mg/kg)	Source of Type 1 Standard	Type 2 RRS [b] (mg/kg)	Source of Type 2 Standard	Type 1 Standard Exceeded?	Type 2 Standard Exceeded?
Volatile Organic Compounds									
Acetone	10	DS-14	11/10/2008	400	GW	400	Type 1	no	no
Acetonitrile	0.075	DS-18	11/10/2008	20	GW	20	Type 1	no	no
Acetophenone	<0.33	NA	NA	400	GW	400	Type 1	no	no
Acrolein	0.13	Confirmation_Sample	12/1/2000	0.10	DL	0.10	Type 1	YES	YES
Benzene	0.38	SD-F6	11/2/2000	0.50	GW	0.50	Type 1	no	no
Biphenyl	700	EX-19	7/27/2007	0.33	DL	2.1	SSL	YES	YES
Carbon disulfide	0.0083	DS-9	11/7/2008	400	GW	400	Type 1	no	no
Chlorobenzene	0.0011	DS-16	11/10/2008	10	GW	10	Type 1	no	no
trans-1,4-Dichlorobutene	0.020	DS-15	11/10/2008	0.113	DL	0.11	Type 1	no	no
1,2-Dichloropropane	<0.005	NA	NA	0.50	GW	0.50	Type 1	no	no
1,4-Dichloro-2-butene	<0.005	NA	NA	0.11	PRGc-Res	0.11	Type 1	no	no
Ethylbenzene	10	SB-99	11/6/2008	70	GW	70	Type 1	no	no
Ethyl Methacrylate	0.89	GP-16	7/27/2007	1000	A-I	1000	Type 1	no	no
Isobutyl alcohol	0.17	DS-13	11/10/2008	1000	GW	1000	Type 1	no	no
Methyl ethyl ketone	0.49	SD-F6	11/2/2000	200	GW	200	Type 1	no	no
Methyl isobutyl ketone	0.0099	DS-14	11/10/2008	200	GW	200	Type 1	no	no
Styrene	0.0029	DS-6	11/7/2008	14	A-I	14	Type 1	no	no
Tetrachloroethene	<0.005	NA	NA	0.50	GW	0.5	Type 1	no	no
Toluene	8.9	SB-99	11/6/2008	100	GW	100	Type 1	no	no
Xylenes (total)	83	SB-99	11/6/2008	1000	GW	1000	Type 1	no	no
m-Xylene	0.024	SS-31	11/8/2002	20	A-I	20	Type 1	no	no
o-Xylene	0.035	50-SC Composite	1/19/2000	20	A-I	20	Type 1	no	no
p-Xylene [c]	0.099	50-NC Composite	NA	20	A-I	20	Type 1	no	no
m & p-Xylenes	0.099	50-NC Composite	1/19/2000	20	A-I	20	Type 1	no	no
Semi Volatile Organic Compounds									
Aniline	3.3	SB-F3	10/24/2000	0.66	DL	0.66	Type 1	YES	YES
Bis(2-ethylhexyl)phthalate	2.2	SS-32	11/8/2002	50	A-I	50	Type 1	no	no
Butyl benzyl phthalate	0.072	DS-10	11/7/2008	50	A-I	50	Type 1	no	no
Total Cresols	<0.33	NA	NA	3.8	A-I	3.8	Type 1	no	no
m & p-Cresols	<0.33	NA	NA	13.2	A-I	13	Type 1	no	no
m-Cresol	<0.33	NA	NA	3.8	A-I	3.8	Type 1	no	no
o-Cresol	<0.33	NA	NA	3.8	A-I	3.8	Type 1	no	no
p-Cresol	<0.33	NA	NA	3.8	A-I	3.8	Type 1	no	no

Table C-5
Comparison of Maximum Concentrations Detected in Soil to Types 1 and 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 1 RRS [a] (mg/kg)	Source of Type 1 Standard	Type 2 RRS [b] (mg/kg)	Source of Type 2 Standard	Type 1 Standard Exceeded?	Type 2 Standard Exceeded?
Dibenzofuran	0.024	DS-10	11/7/2008	0.33	DL	3.7	SSL	no	no
2,4-Dimethylphenol	<0.33	NA	NA	70	GW	70	Type 1	no	no
m-Dinitrobenzene	<0.33	NA	NA	1.05	A-I	1.05	Type 1	no	no
Di-n-octyl phthalate	0.062	DS-10	11/7/2008	70	GW	33500	SSL	no	no
1,4-Dioxane	0.05	NA	NA	7.0	GW	7	Type 1	no	no
Formaldehyde	54	SS-82	11/6/2008	100	GW	100	Type 1	no	no
N-Nitrosodi-n-butylamine	<0.33	NA	NA	0.33	DL	0.33	Type 1	no	no
N-Nitroso-n-methylethylamine	<0.33	NA	NA	0.33	DL	0.33	Type 1	no	no
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	0.073	DS-1	11/7/2008	300	A-I	410	SSL	no	no
Acenaphthylene	0.18	DS-1	11/7/2008	130	A-I	130	Type 1	no	no
Anthracene	0.21	DS-3	11/7/2008	500	A-I	500	Type 1	no	no
Benzo(a)anthracene	0.4	DS-10	11/7/2008	5.0	A-I	5	Type 1	no	no
Benzo(a)pyrene	0.72	SS-62	12/19/2002	1.64	A-I	1.6	Type 1	no	no
Benzo(b)fluoranthene	0.77	DS-7	11/7/2008	5	A-I	5	Type 1	no	no
Benzo(g,h,i)perylene	0.58	DS-17	11/10/2008	500	A-I	1,540	SSL	no	no
Benzo(k)fluoranthene	0.45	DS-7	11/7/2008	5.0	A-I	120	RRSc	no	no
Chrysene	0.65	DS-7	11/7/2008	5.0	A-I	43	SSL	no	no
Dibenzo(a,h)anthracene	0.56	DS-17	11/10/2008	2.0	PRGc-Res	2	Type 1	no	no
Fluoranthene	1.5	DS-10	11/7/2008	500	A-I	2,220	SSL	no	no
Fluorene	0.045	DS-4	11/7/2008	360	A-I	370	SSL	no	no
Indeno(1,2,3-cd)pyrene	0.51	DS-17	11/10/2008	5.0	A-I	12	RRSc	no	no
Naphthalene	<0.33	NA	NA	100	A-I	100	Type 1	no	no
Phenanthrene	0.46	SS-1	7/2/2004	110	A-I	110	Type 1	no	no
Pyrene	1.0	DS-4	11/7/2008	500	A-I	2,180	SSL	no	no
Dioxins									
2,3,7,8-TCDD Toxicity Equivalents	0.0000062	SB-F1	10/19/2000	0.00008	A-I	0.00008	Type 1	no	no
Pesticides									
Endrin	<0.00125	NA	NA	10	A-I	10	Type 1	no	no
Endrin aldehyde	<0.00125	NA	NA	10	A-I	10	Type 1	no	no
4,4'-DDT	0.0078	SB-F6/F4/F15/F27	10/20/2000	0.66	A-I	0.84	SSL	no	no
Methoxychlor	<0.00125	NA	NA	10	A-I	43	SSL	no	no
Parathion	2.1	SB-F6	10/19/2000	20	GW	20	SSL	no	no
Polychlorinated Biphenyls									

Table C-5
Comparison of Maximum Concentrations Detected in Soil to Types 1 and 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 1 RRS [a] (mg/kg)	Source of Type 1 Standard	Type 2 RRS [b] (mg/kg)	Source of Type 2 Standard	Type 1 Standard Exceeded?	Type 2 Standard Exceeded?
Aroclor 1254	0.78	SS-88	11/6/2008	1.55	A-I	1.6	RRSc	no	no
Aroclor 1260	0.25	SS-88	11/6/2008	1.55	A-I	4.6	RRSc	no	no
Total PCBs	1.03	SS-88	NA	1.55	A-I	1.55	Type 1	no	no
Inorganics									
Ammonia (as N)	<0.01	NA	NA	3,000	GW	6,060	SSL	no	no
Asbestos	<1%	NA	NA	1%	DL	1%	DL	no	no

	Maximum exceeds Risk Reduction Standard.
mg/kg	Milligrams per kilogram.
NA	Not applicable; constituent was not detected in this medium.
RRS	Risk Reduction Standard.
[a]	Source of Type 1 RRS:
	A-I: Appendix I notification requirement (NC) ("App I NC").
	A-III: Appendix III.
	DL: Detection limit.
	GW: Appendix III Table 1 times 100.
	PRGc-Res: Calculated default residential carcinogenic preliminary remediation goal.
	PRGnc-Res: Calculated default residential non-carcinogenic preliminary remediation goal.
[b]	Source of Type 2 RRS:
	RRSa: Calculated site-specific residential risk reduction standard based on adult exposure.
	RRSc: Calculated site-specific residential risk reduction standard based on child exposure.
	SSL: Soil screeening level for Migration to Groundwater.
	Type 1 RRS.

Table C-6

Risk Reduction Standards for Potential Adult Residential Exposure (Type 2) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	Inhalation	RRSc (mg/kg)	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	Inhalation	RRSnc (mg/kg)	RRS (mg/kg)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	5.8E+05	2.9E+05	1.9E+05	1.9E+05	N
Acetonitrile	NA	NA	NA	NA	7.1E+02	7.1E+02	7.1E+02	N
Acetophenone	NA	NA	NA	6.4E+04	NA	6.4E+04	6.4E+04	N
Acrolein	NA	NA	NA	3.2E+02	6.2E-02	6.2E-02	6.2E-02	N
Benzene	2.7E+02	1.9E+01	1.8E+01	2.6E+03	1.9E+02	1.8E+02	1.8E+01	C
Biphenyl	1.9E+03	NA	1.9E+03	3.2E+04	8.8E+01	8.8E+01	8.8E+01	N
Carbon disulfide	NA	NA	NA	6.4E+04	8.7E+02	8.5E+02	8.5E+02	N
Chlorobenzene	NA	NA	NA	1.3E+04	6.0E+02	5.7E+02	5.7E+02	N
trans-1,4-Dichlorobutene	NA	1.1E-01	1.1E-01	NA	NA	NA	1.1E-01	C
1,2-Dichloropropane	4.2E+02	1.5E+01	1.4E+01	5.8E+04	2.5E+01	2.5E+01	1.4E+01	C
1,4-Dichloro-2-butene	NA	1.1E-01	1.1E-01	NA	NA	NA	1.1E-01	C
Ethylbenzene	1.4E+03	9.9E+01	9.2E+01	6.4E+04	1.1E+04	9.1E+03	9.2E+01	C
Ethyl Methacrylate	NA	NA	NA	5.8E+04	NA	5.8E+04	5.8E+04	N
Isobutyl alcohol	NA	NA	NA	1.9E+05	NA	1.9E+05	1.9E+05	N
Methyl ethyl ketone	NA	NA	NA	3.8E+05	5.4E+04	4.8E+04	4.8E+04	N
Methyl isobutyl ketone	NA	NA	NA	5.1E+04	4.0E+04	2.3E+04	2.3E+04	N
Styrene	NA	NA	NA	1.3E+05	1.8E+04	1.6E+04	1.6E+04	N
Tetrachloroethene	7.1E+03	3.3E+02	3.2E+02	3.8E+03	1.5E+02	1.4E+02	1.4E+02	N
Toluene	NA	NA	NA	5.1E+04	3.9E+04	2.2E+04	2.2E+04	N
Xylenes (total)	NA	NA	NA	1.3E+05	1.1E+03	1.1E+03	1.1E+03	N
m-Xylene	NA	NA	NA	1.3E+05	1.0E+03	1.0E+03	1.0E+03	N
o-Xylene	NA	NA	NA	1.3E+05	1.2E+03	1.2E+03	1.2E+03	N
p-Xylene	NA	NA	NA	1.3E+05	1.0E+03	1.0E+03	1.0E+03	N
m & p-Xylenes	NA	NA	NA	1.3E+05	6.3E+02	6.2E+02	6.2E+02	N
Semi Volatile Organic Compounds								
Aniline	2.6E+03	9.4E+07	2.6E+03	4.5E+03	6.4E+06	4.5E+03	2.6E+03	C
Bis(2-ethylhexyl)phthalate	1.1E+03	6.3E+07	1.1E+03	1.3E+04	NA	1.3E+04	1.1E+03	C
Butyl benzyl phthalate	7.9E+03	NA	7.9E+03	1.3E+05	NA	1.3E+05	7.9E+03	C
Total Cresols	NA	NA	NA	6.4E+04	3.9E+09	6.4E+04	6.4E+04	N
m & p-Cresols	NA	NA	NA	6.4E+04	NA	6.4E+04	6.4E+04	N

Table C-6

Risk Reduction Standards for Potential Adult Residential Exposure (Type 2) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	Inhalation	RRSc (mg/kg)	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	Inhalation	RRSnc (mg/kg)	RRS (mg/kg)	
m-Cresol	NA	NA	NA	3.2E+04	3.9E+09	3.2E+04	3.2E+04	N
o-Cresol	NA	NA	NA	3.2E+04	3.9E+09	3.2E+04	3.2E+04	N
p-Cresol	NA	NA	NA	3.2E+03	3.9E+09	3.2E+03	3.2E+03	N
Dibenzofuran	NA	NA	NA	6.4E+02	NA	6.4E+02	6.4E+02	N
2,4-Dimethylphenol	NA	NA	NA	1.3E+04	NA	1.3E+04	1.3E+04	N
m-Dinitrobenzene	NA	NA	NA	6.4E+01	NA	6.4E+01	6.4E+01	N
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	1.5E+02	2.0E+07	1.5E+02	1.9E+04	1.9E+10	1.9E+04	1.5E+02	C
Formaldehyde	NA	1.2E+07	1.2E+07	1.3E+05	6.3E+07	1.3E+05	1.3E+05	N
N-Nitrosodi-n-butylamine	2.8E+00	5.6E+00	1.9E+00	NA	NA	NA	1.9E+00	C
N-Nitroso-n-methylethylamine	6.8E-01	2.4E+04	6.8E-01	NA	NA	NA	6.8E-01	C
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	NA	NA	NA	3.8E+04	NA	3.8E+04	3.8E+04	N
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	
Anthracene	NA	NA	NA	1.9E+05	NA	1.9E+05	1.9E+05	N
Benzo(a)anthracene	2.0E+01	1.4E+06	2.0E+01	NA	NA	NA	2.0E+01	C
Benzo(a)pyrene	2.0E+00	1.4E+05	2.0E+00	NA	NA	NA	2.0E+00	C
Benzo(b)fluoranthene	2.0E+01	1.4E+06	2.0E+01	NA	NA	NA	2.0E+01	C
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	
Benzo(k)fluoranthene	2.0E+02	1.4E+06	2.0E+02	NA	NA	NA	2.0E+02	C
Chrysene	2.0E+03	1.4E+07	2.0E+03	NA	NA	NA	2.0E+03	C
Dibenzo(a,h)anthracene	2.0E+00	1.3E+05	2.0E+00	NA	NA	NA	2.0E+00	C
Fluoranthene	NA	NA	NA	2.6E+04	NA	2.6E+04	2.6E+04	N
Fluorene	NA	NA	NA	2.6E+04	NA	2.6E+04	2.6E+04	N
Indeno(1,2,3-cd)pyrene	2.0E+01	1.4E+06	2.0E+01	NA	NA	NA	2.0E+01	C
Naphthalene	NA	6.1E+01	6.1E+01	1.3E+04	2.7E+02	2.6E+02	6.1E+01	C
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	
Pyrene	NA	NA	NA	1.9E+04	NA	1.9E+04	1.9E+04	N
Dioxins								
2,3,7,8-TCDD Toxicity Equivalents	1.1E-04	4.0E+00	1.1E-04	6.4E-04	2.6E+02	6.4E-04	1.1E-04	C
Pesticides								

Table C-6

Risk Reduction Standards for Potential Adult Residential Exposure (Type 2) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	Inhalation	RRSc (mg/kg)	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	Inhalation	RRSnc (mg/kg)	RRS (mg/kg)	
Endrin	NA	NA	NA	1.9E+02	NA	1.9E+02	1.9E+02	N
Endrin aldehyde	NA	NA	NA	NA	NA	NA	NA	
4,4'-DDT	4.4E+01	1.5E+06	4.4E+01	3.2E+02	NA	3.2E+02	4.4E+01	C
Methoxychlor	NA	NA	NA	3.2E+03	NA	3.2E+03	3.2E+03	N
Parathion	NA	NA	NA	3.8E+03	NA	3.8E+03	3.8E+03	N
Polychlorinated Biphenyls								
Aroclor 1254	7.5E+00	2.6E+05	7.5E+00	1.3E+01	NA	1.3E+01	7.5E+00	C
Aroclor 1260	7.5E+00	2.6E+05	7.5E+00	NA	NA	NA	7.5E+00	C
Total PCBs	7.5E+00	2.6E+05	7.5E+00	1.3E+01	NA	1.3E+01	7.5E+00	C
Inorganics								
Ammonia (as N)	NA	NA	NA	NA	NA	NA	NA	
Asbestos	NA	NA	NA	NA	NA	NA	NA	

RRSc (for carcinogens) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (for noncarcinogens) is calculated using a target hazard index (THI) of 1.

mg/kg Milligram per kilogram.
NA Not available.
RRS Risk reduction standard.

Table C-7
Risk Reduction Standards for Potential Child Residential Exposure (Type 2) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	CANCER EFFECTS Route-Specific RRS (mg/kg) Inhalation	CANCER EFFECTS Calculated Goal (mg/kg)	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Inhalation	NON-CANCER EFFECTS Calculated Goal (mg/kg)	RRS (mg/kg)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	7.0E+04	6.2E+04	3.3E+04	3.3E+04	N
Acetonitrile	NA	NA	NA	NA	1.5E+02	1.5E+02	1.5E+02	N
Acetophenone	NA	NA	NA	7.8E+03	NA	7.8E+03	7.8E+03	N
Acrolein	NA	NA	NA	3.9E+01	1.3E-02	1.3E-02	1.3E-02	N
Benzene	1.7E+02	2.0E+01	1.8E+01	3.1E+02	4.1E+01	3.6E+01	1.8E+01	C
Biphenyl	1.1E+03	NA	1.1E+03	3.9E+03	1.9E+01	1.9E+01	1.9E+01	N
Carbon disulfide	NA	NA	NA	7.8E+03	1.9E+02	1.8E+02	1.8E+02	N
Chlorobenzene	NA	NA	NA	1.6E+03	1.3E+02	1.2E+02	1.2E+02	N
trans-1,4-Dichlorobutene	NA	1.2E-01	1.2E-01	NA	NA	NA	1.2E-01	C
1,2-Dichloropropane	2.5E+02	1.6E+01	1.5E+01	7.0E+03	5.4E+00	5.4E+00	5.4E+00	N
1,4-Dichloro-2-butene	NA	1.2E-01	1.2E-01	NA	NA	NA	1.2E-01	C
Ethylbenzene	8.3E+02	1.1E+02	9.4E+01	7.8E+03	2.3E+03	1.8E+03	9.4E+01	C
Ethyl Methacrylate	NA	NA	NA	7.0E+03	NA	7.0E+03	7.0E+03	N
Isobutyl alcohol	NA	NA	NA	2.3E+04	NA	2.3E+04	2.3E+04	N
Methyl ethyl ketone	NA	NA	NA	4.7E+04	1.2E+04	9.3E+03	9.3E+03	N
Methyl isobutyl ketone	NA	NA	NA	6.3E+03	8.6E+03	3.6E+03	3.6E+03	N
Styrene	NA	NA	NA	1.6E+04	3.8E+03	3.1E+03	3.1E+03	N
Tetrachloroethene	4.3E+03	3.5E+02	3.3E+02	4.7E+02	3.2E+01	3.0E+01	3.0E+01	N
Toluene	NA	NA	NA	6.3E+03	8.4E+03	3.6E+03	3.6E+03	N
Xylenes (total)	NA	NA	NA	1.6E+04	2.3E+02	2.3E+02	2.3E+02	N
m-Xylene	NA	NA	NA	1.6E+04	2.2E+02	2.2E+02	2.2E+02	N
o-Xylene	NA	NA	NA	1.6E+04	2.6E+02	2.6E+02	2.6E+02	N
p-Xylene	NA	NA	NA	1.6E+04	2.2E+02	2.2E+02	2.2E+02	N
m & p-Xylenes	NA	NA	NA	1.6E+04	1.3E+02	1.3E+02	1.3E+02	N
Semi Volatile Organic Compounds								
Aniline	1.6E+03	1.0E+08	1.6E+03	5.5E+02	1.4E+06	5.5E+02	5.5E+02	N
Bis(2-ethylhexyl)phthalate	6.5E+02	6.7E+07	6.5E+02	1.6E+03	NA	1.6E+03	6.5E+02	C
Butyl benzyl phthalate	4.8E+03	NA	4.8E+03	1.6E+04	NA	1.6E+04	4.8E+03	C

Table C-7
Risk Reduction Standards for Potential Child Residential Exposure (Type 2) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	CANCER EFFECTS Route-Specific RRS (mg/kg) Inhalation	CANCER EFFECTS Calculated Goal (mg/kg)	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Inhalation	NON-CANCER EFFECTS Calculated Goal (mg/kg)	RRS (mg/kg)	
Total Cresols	NA	NA	NA	7.8E+03	8.3E+08	7.8E+03	7.8E+03	N
m & p-Cresols	NA	NA	NA	7.8E+03	NA	7.8E+03	7.8E+03	N
m-Cresol	NA	NA	NA	3.9E+03	8.3E+08	3.9E+03	3.9E+03	N
o-Cresol	NA	NA	NA	3.9E+03	8.3E+08	3.9E+03	3.9E+03	N
p-Cresol	NA	NA	NA	3.9E+02	8.3E+08	3.9E+02	3.9E+02	N
Dibenzofuran	NA	NA	NA	7.8E+01	NA	7.8E+01	7.8E+01	N
2,4-Dimethylphenol	NA	NA	NA	1.6E+03	NA	1.6E+03	1.6E+03	N
m-Dinitrobenzene	NA	NA	NA	7.8E+00	NA	7.8E+00	7.8E+00	N
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	9.1E+01	2.1E+07	9.1E+01	2.3E+03	4.1E+09	2.3E+03	9.1E+01	C
Formaldehyde	NA	1.2E+07	1.2E+07	1.6E+04	1.4E+07	1.6E+04	1.6E+04	N
N-Nitrosodi-n-butylamine	1.7E+00	6.0E+00	1.3E+00	NA	NA	NA	1.3E+00	C
N-Nitroso-n-methylethylamine	4.1E-01	2.6E+04	4.1E-01	NA	NA	NA	4.1E-01	C
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	NA	NA	NA	4.7E+03	NA	4.7E+03	4.7E+03	N
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	
Anthracene	NA	NA	NA	2.3E+04	NA	2.3E+04	2.3E+04	N
Benzo(a)anthracene	1.3E+01	1.5E+06	1.2E+01	NA	NA	NA	1.2E+01	C
Benzo(a)pyrene	1.3E+00	1.5E+05	1.2E+00	NA	NA	NA	1.2E+00	C
Benzo(b)fluoranthene	1.3E+01	1.5E+06	1.2E+01	NA	NA	NA	1.2E+01	C
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	
Benzo(k)fluoranthene	1.3E+02	1.5E+06	1.2E+02	NA	NA	NA	1.2E+02	C
Chrysene	1.3E+03	1.5E+07	1.2E+03	NA	NA	NA	1.2E+03	C
Dibenzo(a,h)anthracene	1.3E+00	1.3E+05	1.2E+00	NA	NA	NA	1.2E+00	C
Fluoranthene	NA	NA	NA	3.1E+03	NA	3.1E+03	3.1E+03	N
Fluorene	NA	NA	NA	3.1E+03	NA	3.1E+03	3.1E+03	N
Indeno(1,2,3-cd)pyrene	1.3E+01	1.5E+06	1.2E+01	NA	NA	NA	1.2E+01	C
Naphthalene	NA	6.6E+01	6.6E+01	1.6E+03	5.7E+01	5.5E+01	5.5E+01	N
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	

Table C-7
Risk Reduction Standards for Potential Child Residential Exposure (Type 2) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	CANCER EFFECTS Route-Specific RRS (mg/kg) Inhalation	CANCER EFFECTS Calculated Goal (mg/kg)	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Oral	NON-CANCER EFFECTS Route-Specific RRS (mg/kg) Inhalation	NON-CANCER EFFECTS Calculated Goal (mg/kg)	RRS (mg/kg)	
Pyrene	NA	NA	NA	2.3E+03	NA	2.3E+03	2.3E+03	N
Dioxins								
2,3,7,8-TCDD Toxicity Equivalents	7.0E-05	4.2E+00	7.0E-05	7.8E-05	5.5E+01	7.8E-05	7.0E-05	C
Pesticides								
Endrin	NA	NA	NA	2.3E+01	NA	2.3E+01	2.3E+01	N
Endrin aldehyde	NA	NA	NA	NA	NA	NA	NA	
4,4'-DDT	2.7E+01	1.7E+06	2.7E+01	3.9E+01	NA	3.9E+01	2.7E+01	C
Methoxychlor	NA	NA	NA	3.9E+02	NA	3.9E+02	3.9E+02	N
Parathion	NA	NA	NA	4.7E+02	NA	4.7E+02	4.7E+02	N
Polychlorinated Biphenyls								
Aroclor 1254	4.6E+00	2.8E+05	4.6E+00	1.6E+00	NA	1.6E+00	1.6E+00	N
Aroclor 1260	4.6E+00	2.8E+05	4.6E+00	NA	NA	NA	4.6E+00	C
Total PCBs	4.6E+00	2.8E+05	4.6E+00	1.6E+00	NA	1.6E+00	1.6E+00	N
Inorganics								
Ammonia (as N)	NA	NA	NA	NA	NA	NA	NA	
Asbestos	NA	NA	NA	NA	NA	NA	NA	

RRSc (for carcinogens) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (for noncarcinogens) is calculated using a target hazard index (THI) of 1.

mg/kg Milligram per kilogram.
NA Not available.
RRS Risk reduction standard.

Table C-8-A
Comparison of Maximum Concentrations Detected in Surface Soil to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/kg)	Source of Type 3 Standard [a]	Type 4 RRS [b] (mg/kg)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
Volatile Organic Compounds									
Acetone	4.1	SB-F3	10/24/2000	400	GW	400	Type 3	no	no
Acetonitrile	0.075	DS-18	11/10/2008	20	GW	20	Type 3	no	no
Acetophenone	<0.33	NA	NA	400	GW	400	Type 3	no	no
Acrolein	0.11	Confirmation_Sample	12/1/2000	0.065	PRGnc-Ind	0.065	Type 3	YES	YES
Benzene	0.38	SD-F6	11/2/2000	0.50	GW	0.5	Type 3	no	no
Biphenyl	700	EX-19	7/27/2007	0.33	PRGnc-Ind	0.33	Type 3	YES	YES
Carbon disulfide	0.0076	SB-F6	10/19/2000	400	GW	400	Type 3	no	no
Chlorobenzene	0.0011	DS-16	11/10/2008	10	GW	10	Type 3	no	no
trans-1,4-Dichlorobutene	0.020	DS-15	11/10/2008	0.14167312	PRGc-Ind	0.14	Type 3	no	no
1,2-Dichloropropane	<0.005	NA	NA	0.50	GW	0.50	Type 3	no	no
1,4-Dichloro-2-butene	<0.005	NA	NA	0.14154216	PRGc-Ind	0.14	Type 3	no	no
Ethylbenzene	3.3	EX-19	7/27/2007	70	GW	70	Type 3	no	no
Ethyl Methacrylate	0.89	GP-16	7/27/2007	1,000	A-I	1,000	Type 3	no	no
Isobutyl alcohol	0.17	DS-13	11/10/2008	1,000	GW	1,000	Type 3	no	no
Methyl ethyl ketone	0.49	SD-F6	11/2/2000	200	GW	200	Type 3	no	no
Methyl isobutyl ketone	0.0099	DS-14	11/10/2008	200	GW	200	Type 3	no	no
Styrene	<0.005	NA	NA	14	A-I	14	Type 3	no	no
Tetrachloroethene	<0.005	NA	NA	0.5	GW	0.5	Type 3	no	no
Toluene	2.8	EX-19	7/27/2007	100	GW	100	Type 3	no	no
Xylenes (total)	14	EX-19	7/27/2007	1,000	GW	1,000	Type 3	no	no
m-Xylene	0.024	SS-31	11/8/2002	20	A-I	20	Type 3	no	no
o-Xylene	0.035	50-SC Composite	1/19/2000	20	A-I	20	Type 3	no	no
p-Xylene	0.099	50-NC Composite	NA	20	A-I	20	Type 3	no	no
m & p-Xylenes	0.099	50-NC Composite	1/19/2000	20	A-I	20	Type 3	no	no
Semi Volatile Organic Compounds									
Aniline	3.3	SB-F3	10/24/2000	0.66	PRGc-Ind	0.66	Type 3	YES	YES
Bis(2-ethylhexyl)phthalate	2.2	SS-32	11/8/2002	50	A-I	50	Type 3	no	no
Butyl benzyl phthalate	0.072	DS-10	11/7/2008	50	A-I	50	Type 3	no	no
Total Cresols	<0.33	NA	NA	3.8	A-I	8.1	SSL	no	no
m & p-Cresols	<0.33	NA	NA	13.2	A-I	13	Type 3	no	no
m-Cresol	<0.33	NA	NA	3.8	A-I	4.1	SSL	no	no
o-Cresol	<0.33	NA	NA	3.8	A-I	4.1	SSL	no	no
p-Cresol	<0.33	NA	NA	3.8	A-I	3.8	Type 3	no	no
Dibenzofuran	0.024	DS-10	11/7/2008	0.33	PRGnc-Ind	1.9	SSL	no	no

Table C-8-A
Comparison of Maximum Concentrations Detected in Surface Soil to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/kg)	Source of Type 3 Standard [a]	Type 4 RRS [b] (mg/kg)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
2,4-Dimethylphenol	<0.33	NA	NA	70	GW	70	Type 3	no	no
m-Dinitrobenzene	<0.33	NA	NA	1.05	A-I	1.05	Type 3	no	no
Di-n-octyl phthalate	0.062	DS-10	11/7/2008	70	GW	70	Type 3	no	no
1,4-Dioxane	0.05	NA	NA	7	GW	7	Type 3	no	no
Formaldehyde	54	SS-82	11/6/2008	100	GW	100	Type 3	no	no
N-Nitrosodi-n-butylamine	<0.33	NA	NA	0.33	PRGc-Ind	0.33	Type 3	no	no
N-Nitroso-n-methylethylamine	<0.33	NA	NA	0.33	PRGc-Ind	0.33	Type 3	no	no
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	0.054	DS-10	11/7/2008	300	A-I	300	Type 3	no	no
Acenaphthylene	0.18	DS-1	11/7/2008	130	A-I	130	Type 3	no	no
Anthracene	0.21	DS-3	11/7/2008	500	A-I	1,020	SSL	no	no
Benzo(a)anthracene	0.4	DS-10	11/7/2008	5	A-I	5	Type 3	no	no
Benzo(a)pyrene	0.72	SS-62	12/19/2002	1.64	A-I	1.64	Type 3	no	no
Benzo(b)fluoranthene	0.77	DS-7	11/7/2008	5	A-I	5	Type 3	no	no
Benzo(g,h,i)perylene	0.31	DS-18	11/10/2008	500	A-I	500	Type 3	no	no
Benzo(k)fluoranthene	0.45	DS-7	11/7/2008	5	A-I	46	SSL	no	no
Chrysene	0.65	DS-7	11/7/2008	5	A-I	141	SSL	no	no
Dibenzo(a,h)anthracene	0.23	DS-18	11/10/2008	5	A-I	5.0	Type 3	no	no
Fluoranthene	1.5	DS-10	11/7/2008	500	A-I	500	Type 3	no	no
Fluorene	0.043	DS-10	11/7/2008	360	A-I	360	Type 3	no	no
Indeno(1,2,3-cd)pyrene	0.24	DS-18DS-7	.0/200811/7/20(	5	A-I	15	SSL	no	no
Naphthalene	<0.33	NA	NA	100	A-I	100	Type 3	no	no
Phenanthrene	0.46	SS-1	7/2/2004	110	A-I	110	Type 3	no	no
Pyrene	0.81	DS-7	11/7/2008	500	A-I	500	Type 3	no	no
Dioxins									
2,3,7,8-TCDD Toxicity Equivalents	0.0000062	SB-F1	10/19/2000	0.00008	A-I	0.00022	SSL	no	no
Pesticides									
Endrin	<0.0033	NA	NA	10	A-I	10	Type 3	no	no
Endrin aldehyde	<0.0033	NA	NA	10	A-I	10	Type 3	no	no
4,4'-DDT	0.0078	SB-F6/F4/F15/F27	10/20/2000	0.66	A-I	2.8	SSL	no	no
Methoxychlor	<0.0033	NA	NA	10	A-I	28	SSL	no	no
Parathion	2.1	SB-F6	10/19/2000	20	GW	20	Type 3	no	no
Polychlorinated Biphenyls									
Aroclor 1254	0.78	SS-88	11/6/2008	1.55	A-I	1.55	Type 3	no	no
Aroclor 1260	0.25	SS-88	11/6/2008	1.55	A-I	1.55	Type 3	no	no
Total PCBs	1.03	SS-88	NA	1.55	A-I	1.55	Type 3	no	no

Table C-8-A
Comparison of Maximum Concentrations Detected in Surface Soil to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/kg)	Source of Type 3 Standard [a]	Type 4 RRS [b] (mg/kg)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
Inorganics									
Ammonia (as N)	NA	NA	NA	3,000	GW	3,000	Type 3	no	no
Asbestos	NA	NA	NA	0.01	DL	0.01	DL	no	no

	Risk Reduction Standard exceeded.
mg/kg	Milligrams per kilogram.
NA	Not applicable.
RRS	Risk Reduction Standard.
[a]	Source of Type 3 RRS:
	A-1: Appendix I notification requirement (NC) ("App I NC").
	A-III: Appendix III.
	DL: Detection limit.
	GW: Appendix III Table 1 times 100.
	PRGc-Res: Calculated default industrial carcinogenic preliminary remediation goal.
	PRGnc-Res: Calculated default industrial non-carcinogenic preliminary remediation goal.
[b]	Source of Type 4 RRS:
	RRS: Calculated site-specific industrial risk reduction standard.
	SSL: Soil screeening level for Migration to Groundwater.
	Type 3 RRS.
[c]	Constituent detected in a composite sample but not in the grab samples. Therefore, a concentration is not reported.

Table C-8-B
Comparison of Maximum Concentrations Detected in Subsurface Soil to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/kg)	Source of Type 3 Standard [a]	Type 4 RRS [b] (mg/kg)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
Volatile Organic Compounds									
Acetone	10	DS-14	11/10/2008	400	GW	400	Type 3	no	no
Acetonitrile	<0.2	NA	NA	20	GW	20	Type 3	no	no
Acetophenone	<0.33	NA	NA	400	GW	400	Type 3	no	no
Acrolein	0.13	Confirmation_Sample	12/1/2000	70	GW	70	Type 3	no	no
Benzene	0.11	50-NC Composite	1/19/2000	0.50	GW	0.50	Type 3	no	no
Biphenyl	9.0	DS-9	11/7/2008	0.33	DL	0.33	Type 3	YES	YES
Carbon disulfide	0.0083	DS-9	11/7/2008	400	GW	400	Type 3	no	no
Chlorobenzene	<0.005	NA	NA	10	GW	10	Type 3	no	no
trans-1,4-Dichlorobutene	<0.01	NA	NA	25	A-I	25	Type 3	no	no
1,2-Dichloropropane	<0.005	NA	NA	0.50	GW	0.50	Type 3	no	no
1,4-Dichloro-2-butene	<0.005	NA	NA	25	A-I	25	Type 3	no	no
Ethylbenzene	10	SB-99	11/6/2008	70	GW	70	Type 3	no	no
Ethyl Methacrylate	<0.005	NA	NA	1,000	A-I	1,000	Type 3	no	no
Isobutyl alcohol	<0.2	NA	NA	1,000	GW	1,000	Type 3	no	no
Methyl ethyl ketone	0.040	DS-14	11/10/2008	200	GW	200	Type 3	no	no
Methyl isobutyl ketone	0.0087	DS-14	11/10/2008	200	GW	200	Type 3	no	no
Styrene	0.0029	DS-6	11/7/2008	14	A-I	14	Type 3	no	no
Tetrachloroethene	<0.005	NA	NA	0.5	GW	0.5	Type 3	no	no
Toluene	8.9	SB-99	11/6/2008	100	GW	100	Type 3	no	no
Xylenes (total)	83	SB-99	11/6/2008	1,000	GW	1,000	Type 3	no	no
m-Xylene	<0.005	NA	NA	20	A-I	20	Type 3	no	no
o-Xylene	0.035	50-SC Composite	1/19/2000	20	A-I	20	Type 3	no	no
p-Xylene	0.005	50-NC Composite	NA	20	A-I	20	Type 3	no	no
m & p-Xylenes	0.099	50-NC Composite	1/19/2000	20	A-I	20	Type 3	no	no
Semi Volatile Organic Compounds									
Aniline	<0.66	NA	NA	0.66	DL	0.66	Type 3	no	no
Bis(2-ethylhexyl)phthalate	0.060	DS-4	11/7/2008	50	A-I	50	Type 3	no	no
Butyl benzyl phthalate	<0.33	NA	NA	50	A-I	50	Type 3	no	no
Total Cresols	<0.33	NA	NA	3.8	A-I	8.1	SSL	no	no
m & p-Cresols	<0.33	NA	NA	13.2	A-I	13.2	Type 3	no	no
m-Cresol	<0.33	NA	NA	3.8	A-I	4.1	SSL	no	no
o-Cresol	<0.33	NA	NA	3.8	A-I	4.1	SSL	no	no

Table C-8-B
Comparison of Maximum Concentrations Detected in Subsurface Soil to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/kg)	Source of Type 3 Standard [a]	Type 4 RRS [b] (mg/kg)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
p-Cresol	<0.33	NA	NA	3.8	A-I	3.8	Type 3	no	no
Dibenzofuran	0.019	DS-4	11/7/2008	0.33	DL	1.9	SSL	no	no
2,4-Dimethylphenol	<0.33	NA	NA	70	GW	70	Type 3	no	no
m-Dinitrobenzene	<0.33	NA	NA	1.05	A-I	1.05	Type 3	no	no
Di-n-octyl phthalate	<0.33	NA	NA	70	GW	70	Type 3	no	no
1,4-Dioxane	0.05	NA	NA	7.0	GW	7.0	Type 3	no	no
Formaldehyde	1.2	SS-78	8/15/2006	100	GW	100	Type 3	no	no
N-Nitrosodi-n-butylamine	<0.33	NA	NA	0.33	DL	0.33	Type 3	no	no
N-Nitroso-n-methylethylamine	<0.33	NA	NA	0.33	DL	0.33	Type 3	no	no
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	0.073	DS-1	11/7/2008	300	A-I	300	Type 3	no	no
Acenaphthylene	0.093	DS-4	11/7/2008	130	A-I	130	Type 3	no	no
Anthracene	0.11	DS-4	11/7/2008	500	A-I	1,020	SSL	no	no
Benzo(a)anthracene	0.28	DS-4	11/7/2008	5.0	A-I	5.0	Type 3	no	no
Benzo(a)pyrene	0.27	DS-4	11/7/2008	1.64	A-I	1.64	Type 3	no	no
Benzo(b)fluoranthene	0.71	DS-4	11/7/2008	5.0	A-I	5.0	Type 3	no	no
Benzo(g,h,i)perylene	0.58	DS-17	11/10/2008	500	A-I	500	Type 3	no	no
Benzo(k)fluoranthene	<0.33	NA	NA	5.0	A-I	46	SSL	no	no
Chrysene	0.52	DS-4	11/7/2008	5.0	A-I	141	SSL	no	no
Dibenzo(a,h)anthracene	0.56	DS-17	11/10/2008	5.0	A-I	5.0	Type 3	no	no
Fluoranthene	1.2	DS-4	11/7/2008	500	A-I	500	Type 3	no	no
Fluorene	0.045	DS-4	11/7/2008	360	A-I	360	Type 3	no	no
Indeno(1,2,3-cd)pyrene	0.51	DS-17	11/10/2008	5.0	A-I	15	SSL	no	no
Naphthalene	<0.33	NA	NA	100	A-I	100	Type 3	no	no
Phenanthrene	0.31	DS-4	11/7/2008	110	A-I	110	Type 3	no	no
Pyrene	1.0	DS-4	11/7/2008	500	A-I	500	Type 3	no	no
Dioxins									
2,3,7,8-TCDD Toxicity Equivalents	0.0000062	SB-F1	10/19/2000	0.00008	A-I	0.00022	SSL	no	no
Pesticides									
Endrin	<0.0033	NA	NA	10	A-I	10	Type 3	no	no
Endrin aldehyde	<0.0033	NA	NA	10	A-I	10	Type 3	no	no
4,4'-DDT	0.0078	SB-F6/F4/F15/F27	36819	0.66	A-I	2.8	SSL	no	no
Methoxychlor	<0.0033	NA	NA	10	A-I	28	SSL	no	no

Table C-8-B
Comparison of Maximum Concentrations Detected in Subsurface Soil to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/kg)	Source of Type 3 Standard [a]	Type 4 RRS [b] (mg/kg)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
Parathion	2.1	SB-F6	10/19/2000	20	GW	20	Type 3	no	no
Polychlorinated Biphenyls									
Aroclor 1254	0.054	SB-F14/F12	10/20/2000	1.55	A-I	1.55	Type 3	no	no
Aroclor 1260	<0.033	NA	NA	1.55	A-I	1.55	Type 3	no	no
Total PCBs	0.054	SB-F14/F12	10/20/2000	1.55	A-I	1.55	Type 3	no	no
Inorganics									
Ammonia (as N)	NA	NA	NA	3,000	GW	3,000	Type 3	no	no
Asbestos	NA	NA	NA	0.01	DL	0.01	DL	no	no

	Risk Reduction Standard exceeded.
mg/kg	Milligrams per kilogram.
NA	Not applicable.
RRS	Risk Reduction Standard.
[a]	Source of Type 3 RRS:
	A-1: Appendix I notification requirement (NC) ("App I NC").
	A-III: Appendix III.
	DL: Detection limit.
	GW: Appendix III Table 1 times 100.
[b]	Source of Type 4 RRS:
	RRS: Calculated site-specific industrial risk reduction standard.
	SSL: Soil screeening level for Migration to Groundwater.
	Type 3 RRS.
[c]	Constituent detected in a composite sample but not in the grab samples. Therefore, a concentration is not reported.

Table C-9
Risk Reduction Standards for Potential Adult Industrial Exposure (Type 4) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSc (mg/kg)	NON-CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSnc (mg/kg)	Calculated Goal (mg/kg)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	1.8E+06	3.0E+05	2.6E+05	2.6E+05	N
Acetonitrile	NA	NA	NA	NA	7.4E+02	7.4E+02	7.4E+02	N
Acetophenone	NA	NA	NA	2.0E+05	NA	2.0E+05	2.0E+05	N
Acrolein	NA	NA	NA	1.0E+03	6.5E-02	6.5E-02	6.5E-02	N
Benzene	1.0E+03	2.4E+01	2.3E+01	8.2E+03	2.0E+02	1.9E+02	2.3E+01	C
Biphenyl	7.2E+03	NA	7.2E+03	1.0E+05	9.3E+01	9.3E+01	9.3E+01	N
Carbon disulfide	NA	NA	NA	2.0E+05	9.1E+02	9.0E+02	9.0E+02	N
Chlorobenzene	NA	NA	NA	4.1E+04	6.3E+02	6.2E+02	6.2E+02	N
trans-1,4-Dichlorobutene	NA	1.4E-01	1.4E-01	NA	NA	NA	1.4E-01	C
1,2-Dichloropropane	1.6E+03	1.9E+01	1.8E+01	1.8E+05	2.6E+01	2.6E+01	1.8E+01	C
1,4-Dichloro-2-butene	NA	1.4E-01	1.4E-01	NA	NA	NA	1.4E-01	C
Ethylbenzene	5.2E+03	1.2E+02	1.2E+02	2.0E+05	1.1E+04	1.1E+04	1.2E+02	C
Ethyl Methacrylate	NA	NA	NA	1.8E+05	NA	1.8E+05	1.8E+05	N
Isobutyl alcohol	NA	NA	NA	6.1E+05	NA	6.1E+05	6.1E+05	N
Methyl ethyl ketone	NA	NA	NA	1.2E+06	5.7E+04	5.5E+04	5.5E+04	N
Methyl isobutyl ketone	NA	NA	NA	1.6E+05	4.2E+04	3.4E+04	3.4E+04	N
Styrene	NA	NA	NA	4.1E+05	1.9E+04	1.8E+04	1.8E+04	N
Tetrachloroethene	2.7E+04	4.2E+02	4.1E+02	1.2E+04	1.5E+02	1.5E+02	1.5E+02	N
Toluene	NA	NA	NA	1.6E+05	4.1E+04	3.3E+04	3.3E+04	N
Xylenes (total)	NA	NA	NA	4.1E+05	1.1E+03	1.1E+03	1.1E+03	N
m-Xylene	NA	NA	NA	4.1E+05	1.1E+03	1.1E+03	1.1E+03	N
o-Xylene	NA	NA	NA	4.1E+05	1.3E+03	1.3E+03	1.3E+03	N
p-Xylene	NA	NA	NA	4.1E+05	1.1E+03	1.1E+03	1.1E+03	N
m & p-Xylenes	NA	NA	NA	4.1E+05	6.6E+02	6.6E+02	6.6E+02	N
Semi Volatile Organic Compounds								
Aniline	1.0E+04	1.2E+08	1.0E+04	1.4E+04	6.8E+06	1.4E+04	1.0E+04	C
Bis(2-ethylhexyl)phthalate	4.1E+03	7.9E+07	4.1E+03	4.1E+04	NA	4.1E+04	4.1E+03	C

Table C-9
Risk Reduction Standards for Potential Adult Industrial Exposure (Type 4) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSc (mg/kg)	NON-CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSnc (mg/kg)	Calculated Goal (mg/kg)	
Butyl benzyl phthalate	3.0E+04	NA	3.0E+04	4.1E+05	NA	4.1E+05	3.0E+04	C
Total Cresols	NA	NA	NA	2.0E+05	4.1E+09	2.0E+05	2.0E+05	N
m & p-Cresols	NA	NA	NA	2.0E+05	NA	2.0E+05	2.0E+05	N
m-Cresol	NA	NA	NA	1.0E+05	4.1E+09	1.0E+05	1.0E+05	N
o-Cresol	NA	NA	NA	1.0E+05	4.1E+09	1.0E+05	1.0E+05	N
p-Cresol	NA	NA	NA	1.0E+04	4.1E+09	1.0E+04	1.0E+04	N
Dibenzofuran	NA	NA	NA	2.0E+03	NA	2.0E+03	2.0E+03	N
2,4-Dimethylphenol	NA	NA	NA	4.1E+04	NA	4.1E+04	4.1E+04	N
m-Dinitrobenzene	NA	NA	NA	2.0E+02	NA	2.0E+02	2.0E+02	N
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	5.7E+02	2.5E+07	5.7E+02	6.1E+04	2.0E+10	6.1E+04	5.7E+02	C
Formaldehyde	NA	1.5E+07	1.5E+07	4.1E+05	6.6E+07	4.1E+05	4.1E+05	N
N-Nitrosodi-n-butylamine	1.1E+01	7.0E+00	4.2E+00	NA	NA	NA	4.2E+00	C
N-Nitroso-n-methylethylamine	2.6E+00	3.0E+04	2.6E+00	NA	NA	NA	2.6E+00	C
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	NA	NA	NA	1.2E+05	NA	1.2E+05	1.2E+05	N
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	
Anthracene	NA	NA	NA	6.1E+05	NA	6.1E+05	6.1E+05	N
Benzo(a)anthracene	7.8E+01	1.7E+06	7.8E+01	NA	NA	NA	7.8E+01	C
Benzo(a)pyrene	7.8E+00	1.7E+05	7.8E+00	NA	NA	NA	7.8E+00	C
Benzo(b)fluoranthene	7.8E+01	1.7E+06	7.8E+01	NA	NA	NA	7.8E+01	C
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	
Benzo(k)fluoranthene	7.8E+02	1.7E+06	7.8E+02	NA	NA	NA	7.8E+02	C
Chrysene	7.8E+03	1.7E+07	7.8E+03	NA	NA	NA	7.8E+03	C
Dibenzo(a,h)anthracene	7.8E+00	1.6E+05	7.8E+00	NA	NA	NA	7.8E+00	C
Fluoranthene	NA	NA	NA	8.2E+04	NA	8.2E+04	8.2E+04	N
Fluorene	NA	NA	NA	8.2E+04	NA	8.2E+04	8.2E+04	N
Indeno(1,2,3-cd)pyrene	7.8E+01	1.7E+06	7.8E+01	NA	NA	NA	7.8E+01	C

Table C-9
Risk Reduction Standards for Potential Adult Industrial Exposure (Type 4) to Soil
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSc (mg/kg)	NON-CANCER EFFECTS Route-Specific RRSs (mg/kg) Oral	Inhalation	RRSnc (mg/kg)	Calculated Goal (mg/kg)	
Naphthalene	NA	7.7E+01	7.7E+01	4.1E+04	2.8E+02	2.8E+02	7.7E+01	C
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	
Pyrene	NA	NA	NA	6.1E+04	NA	6.1E+04	6.1E+04	N
Dioxins								
2,3,7,8-TCDD Toxicity Equivalents	4.4E-04	5.0E+00	4.4E-04	2.0E-03	2.7E+02	2.0E-03	4.4E-04	C
Pesticides								
Endrin	NA	NA	NA	6.1E+02	NA	6.1E+02	6.1E+02	N
Endrin aldehyde	NA	NA	NA	NA	NA	NA	NA	
4,4'-DDT	1.7E+02	2.0E+06	1.7E+02	1.0E+03	NA	1.0E+03	1.7E+02	C
Methoxychlor	NA	NA	NA	1.0E+04	NA	1.0E+04	1.0E+04	N
Parathion	NA	NA	NA	1.2E+04	NA	1.2E+04	1.2E+04	N
Polychlorinated Biphenyls								
Aroclor 1254	2.9E+01	3.3E+05	2.9E+01	4.1E+01	NA	4.1E+01	2.9E+01	C
Aroclor 1260	2.9E+01	3.3E+05	2.9E+01	NA	NA	NA	2.9E+01	C
Total PCBs	2.9E+01	3.3E+05	2.9E+01	4.1E+01	NA	4.1E+01	2.9E+01	C
Inorganics								
Ammonia (as N)	NA	NA	NA	NA	NA	NA	NA	
Asbestos	NA	NA	NA	NA	NA	NA	NA	

The Type 4 RRSc (for carcinogens) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (for noncarcinogens) is calculated using a target hazard index (THI)

mg/kg Milligram per kilogram. NA Not available. RRS Risk Reduction Standard for Soil.

Table C-10
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 1 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 1 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
Volatile Organic Compounds						
Acetone	4.0E+00	8.0E+01	2.4E+00	3.5E-05	1.4E-03	1.6E+01
Acetonitrile	2.0E-01	4.0E+00	4.7E+00	3.5E-05	1.4E-03	8.4E-01
Acetophenone	4.0E+00	8.0E+01	5.2E+01	1.0E-05	4.3E-04	2.4E+01
Acrolein	7.0E-01	1.4E+01	1.0E+00	1.2E-04	5.0E-03	2.8E+00
Benzene	5.0E-03	1.0E-01	1.5E+02	5.6E-03	2.3E-01	5.1E-02
Biphenyl	1.0E-02	2.0E-01	5.1E+03	3.1E-04	1.3E-02	2.1E+00
Carbon disulfide	4.0E+00	8.0E+01	2.2E+01	1.4E-02	5.9E-01	2.4E+01
Chlorobenzene	1.0E-01	2.0E+00	2.3E+02	3.1E-03	1.3E-01	1.4E+00
trans-1,4-Dichlorobutene	2.0E-03	4.0E-02	1.3E+02	6.6E-04	2.7E-02	1.9E-02
1,2-Dichloropropane	5.0E-03	1.0E-01	6.1E+01	2.8E-03	1.2E-01	3.3E-02
1,4-Dichloro-2-butene	1.0E-03	2.0E-02	1.3E+02	6.6E-04	2.7E-02	9.3E-03
Ethylbenzene	7.0E-01	1.4E+01	4.5E+02	7.9E-03	3.2E-01	1.6E+01
Ethyl Methacrylate	3.0E+00	6.0E+01	1.7E+01	5.7E-04	2.3E-02	1.4E+01
Isobutyl alcohol	1.0E+01	2.0E+02	2.9E+00	9.8E-06	4.0E-04	4.1E+01
Methyl ethyl ketone	2.0E+00	4.0E+01	4.5E+00	5.7E-05	2.3E-03	8.4E+00
Methyl isobutyl ketone	2.0E+00	4.0E+01	1.3E+01	1.4E-04	5.6E-03	9.0E+00
Styrene	1.0E-01	2.0E+00	4.5E+02	2.8E-03	1.1E-01	2.2E+00
Tetrachloroethene	5.0E-03	1.0E-01	9.5E+01	1.8E-02	7.2E-01	4.5E-02
Toluene	1.0E+00	2.0E+01	2.3E+02	6.6E-03	2.7E-01	1.4E+01
Xylenes (total)	1.0E+01	2.0E+02	3.8E+02	5.2E-03	2.1E-01	2.0E+02
m-Xylene	1.0E-03	2.0E-02	3.8E+02	7.2E-03	2.9E-01	2.0E-02
o-Xylene	1.0E-03	2.0E-02	3.8E+02	5.2E-03	2.1E-01	2.0E-02
p-Xylene	1.0E-03	2.0E-02	3.8E+02	6.9E-03	2.8E-01	2.0E-02
m & p-Xylenes	2.0E-03	4.0E-02	1.6E+02	7.5E-03	3.1E-01	2.2E-02

Table C-10
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 1 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 1 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
Semi Volatile Organic Compounds						
Aniline	6.0E-03	1.2E-01	7.0E+01	2.0E-06	8.3E-05	4.1E-02
Bis(2-ethylhexyl)phthalate	6.0E-03	1.2E-01	1.2E+05	2.7E-07	1.1E-05	2.9E+01
Butyl benzyl phthalate	1.0E-01	2.0E+00	7.2E+03	1.3E-06	5.1E-05	2.9E+01
Total Cresols	1.0E-02	2.0E-01	3.1E+02	1.2E-06	4.9E-05	1.6E-01
m & p-Cresols	1.0E-02	2.0E-01	4.9E+02	2.5E-06	1.0E-04	2.4E-01
m-Cresol	1.0E-02	2.0E-01	3.0E+02	8.6E-07	3.5E-05	1.6E-01
o-Cresol	1.0E-02	2.0E-01	3.1E+02	1.2E-06	4.9E-05	1.6E-01
p-Cresol	1.0E-02	2.0E-01	3.0E+02	1.0E-06	4.1E-05	1.6E-01
Dibenzofuran	1.0E-02	2.0E-01	9.2E+03	2.1E-04	8.7E-03	3.7E+00
2,4-Dimethylphenol	7.0E-01	1.4E+01	4.9E+02	9.5E-07	3.9E-05	1.7E+01
m-Dinitrobenzene	1.0E-03	2.0E-02	3.5E+02	4.9E-08	2.0E-06	1.8E-02
Di-n-octyl phthalate	1.0E-02	2.0E-01	8.4E+07	6.7E-05	2.7E-03	3.4E+04
1,4-Dioxane	7.0E-02	1.4E+00	2.6E+00	4.8E-06	2.0E-04	2.9E-01
Formaldehyde	1.0E+00	2.0E+01	1.0E+00	3.4E-07	1.4E-05	4.0E+00
N-Nitrosodi-n-butylamine	6.0E-06	1.2E-04	9.1E+02	1.3E-05	5.4E-04	2.4E-04
N-Nitroso-n-methylethylamine	2.0E-06	4.0E-05	4.3E+01	1.4E-06	5.9E-05	1.1E-05
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	2.0E+00	4.0E+01	5.0E+03	1.8E-04	7.5E-03	4.1E+02
Acenaphthylene	1.0E-02	2.0E-01	3.1E+03	1.1E-04	4.6E-03	1.3E+00
Anthracene	1.0E-02	2.0E-01	1.6E+04	5.6E-05	2.3E-03	6.6E+00
Benzo(a)anthracene	1.0E-04	2.0E-03	1.8E+05	1.2E-05	4.9E-04	7.1E-01
Benzo(a)pyrene	2.0E-04	4.0E-03	5.9E+05	4.6E-07	1.9E-05	4.7E+00
Benzo(b)fluoranthene	2.0E-04	4.0E-03	6.0E+05	6.6E-07	2.7E-05	4.8E+00
Benzo(g,h,i)perylene	1.0E-02	2.0E-01	3.9E+06	1.4E-07	5.8E-06	1.5E+03

Table C-10
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 1 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 1 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
Benzo(k)fluoranthene	1.0E-02	2.0E-01	5.9E+05	5.8E-07	2.4E-05	2.4E+02
Chrysene	2.0E-04	4.0E-03	1.8E+05	5.2E-06	2.1E-04	1.4E+00
Dibenzo(a,h)anthracene	3.0E-04	6.0E-03	1.9E+06	1.4E-07	5.8E-06	2.3E+01
Fluoranthene	1.0E+00	2.0E+01	5.5E+04	8.9E-06	3.6E-04	2.2E+03
Fluorene	1.0E+00	2.0E+01	9.2E+03	9.6E-05	3.9E-03	3.7E+02
Indeno(1,2,3-cd)pyrene	4.0E-04	8.0E-03	2.0E+06	3.5E-07	1.4E-05	3.1E+01
Naphthalene	2.0E-02	4.0E-01	1.5E+03	4.4E-04	1.8E-02	1.3E+00
Phenanthrene	1.0E-02	2.0E-01	3.0E+04	2.3E-05	9.5E-04	1.2E+01
Pyrene	1.0E+00	2.0E+01	5.4E+04	1.2E-05	4.9E-04	2.2E+03
Dioxins						
2,3,7,8-TCDD Toxicity Equivalents	3.0E-08	6.0E-07	2.5E+05	5.0E-05	2.0E-03	3.0E-04
Pesticides						
Endrin	2.0E-03	4.0E-02	2.0E+04	1.0E-05	4.1E-04	1.6E+00
Endrin aldehyde	1.0E-04	2.0E-03	3.3E+03	2.9E-09	1.2E-07	1.3E-02
4,4'-DDT	1.0E-04	2.0E-03	1.7E+05	8.3E-06	3.4E-04	6.7E-01
Methoxychlor	4.0E-02	8.0E-01	2.7E+04	2.0E-07	8.3E-06	4.3E+01
Parathion	2.0E-01	4.0E+00	2.4E+03	3.0E-07	1.2E-05	2.0E+01
Polychlorinated Biphenyls						
Aroclor 1254	5.0E-04	1.0E-02	1.3E+05	2.8E-04	1.2E-02	2.6E+00
Aroclor 1260	5.0E-04	1.0E-02	3.5E+05	3.4E-04	1.4E-02	7.0E+00
Total PCBs	5.0E-04	1.0E-02	1.3E+05	2.8E-04	1.2E-02	2.6E+00
Inorganics						
Ammonia (as N)	3.0E+01	6.0E+02	5.0E+03	1.6E-05	6.6E-04	6.1E+03
Asbestos	7.0E+00	1.4E+02	NA	NA	NA	NA

Table C-10
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 1 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 1 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)

Equation 10 (USEPA Soil Screening Guidance, 1996):
Screening Level in Soil (mg/kg) =

$$Cw \times \left\{ K_d + \left[\frac{\theta_w + \theta_a H'}{\rho_b} \right] \right\}$$

Cw	Type 1 GW RRS x DAF (mg/L).	=	constituent specific
DAF	Dilution attenuation factor.	=	20
K_d	soil-water partition coefficient (L/kg).	=	$K_{oc} \times f_{oc}$
K_{oc}	soil organic carbon/water partition coefficient (L/kg).	=	constituent specific
f_{oc}	fraction organic carbon in soil (g/g).	=	0.002
θ_w	water-filled soil porosity (Lwater/Lsoil).	=	0.3
θ_a	air-filled soil porosity (Lair/Lsoil).	=	$n-\theta_w = 0.134$
ρ_b	dry soil bulk density (kg/L).	=	1.5
n	soil porosity (Lpore/Lsoil).	=	$1-(\rho_b/\rho_s) = 0.43$
ρ_s	soil particle density (kg/L).	=	2.65
HLC	Henry's Law Constant (atm-m³/mol).	=	constituent specific
H'	dimensionless Henry's Law Constant (unitless)	=	HLC x 41

[a] Type 1 Groundwater Risk Reduction Standard (GW RRS) from Table C-13.

atm-m^3/mole Atmosphere - cubic meter per mole.
kg = Kilogram.
L = Liter.
mg = Milligrams.

Table C-11
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 2 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
Volatile Organic Compounds						
Acetone	8.0E+00	8.0E+00	2.4E+00	3.5E-05	1.4E-03	1.6E+00
Acetonitrile	2.0E-01	2.0E-01	4.7E+00	3.5E-05	1.4E-03	4.2E-02
Acetophenone	4.0E+00	4.0E+00	5.2E+01	1.0E-05	4.3E-04	1.2E+00
Acrolein	7.0E-01	7.0E-01	1.0E+00	1.2E-04	5.0E-03	1.4E-01
Benzene	5.4E-03	5.4E-03	1.5E+02	5.6E-03	2.3E-01	2.8E-03
Biphenyl	1.0E-02	1.0E-02	5.1E+03	3.1E-04	1.3E-02	1.0E-01
Carbon disulfide	4.0E+00	4.0E+00	2.2E+01	1.4E-02	5.9E-01	1.2E+00
Chlorobenzene	1.0E-01	1.0E-01	2.3E+02	3.1E-03	1.3E-01	6.8E-02
trans-1,4-Dichlorobutene	2.0E-03	2.0E-03	1.3E+02	6.6E-04	2.7E-02	9.3E-04
1,2-Dichloropropane	5.0E-03	5.0E-03	6.1E+01	2.8E-03	1.2E-01	1.7E-03
1,4-Dichloro-2-butene	1.0E-03	1.0E-03	1.3E+02	6.6E-04	2.7E-02	4.7E-04
Ethylbenzene	7.0E-01	7.0E-01	4.5E+02	7.9E-03	3.2E-01	7.8E-01
Ethyl Methacrylate	3.0E+00	3.0E+00	1.7E+01	5.7E-04	2.3E-02	7.1E-01
Isobutyl alcohol	1.0E+01	1.0E+01	2.9E+00	9.8E-06	4.0E-04	2.1E+00
Methyl ethyl ketone	2.3E+00	2.3E+00	4.5E+00	5.7E-05	2.3E-03	4.8E-01
Methyl isobutyl ketone	2.0E+00	2.0E+00	1.3E+01	1.4E-04	5.6E-03	4.5E-01
Styrene	5.0E-01	5.0E-01	4.5E+02	2.8E-03	1.1E-01	5.5E-01
Tetrachloroethene	1.9E-02	1.9E-02	9.5E+01	1.8E-02	7.2E-01	8.6E-03
Toluene	1.0E+00	1.0E+00	2.3E+02	6.6E-03	2.7E-01	6.9E-01
Xylenes (total)	1.0E+01	1.0E+01	3.8E+02	5.2E-03	2.1E-01	9.8E+00
m-Xylene	5.8E-02	5.8E-02	3.8E+02	7.2E-03	2.9E-01	5.7E-02
o-Xylene	5.8E-02	5.8E-02	3.8E+02	5.2E-03	2.1E-01	5.7E-02
p-Xylene	5.8E-02	5.8E-02	3.8E+02	6.9E-03	2.8E-01	5.7E-02
m & p-Xylenes	2.7E-01	5.4E+00	1.6E+02	7.5E-03	3.1E-01	3.0E+00
Semi Volatile Organic Compounds						
Aniline	1.1E-01	1.1E-01	7.0E+01	2.0E-06	8.3E-05	3.7E-02
Bis(2-ethylhexyl)phthalate	6.1E-02	6.1E-02	1.2E+05	2.7E-07	1.1E-05	1.5E+01
Butyl benzyl phthalate	4.5E-01	4.5E-01	7.2E+03	1.3E-06	5.1E-05	6.5E+00
Total Cresols	1.6E+00	1.6E+00	3.1E+02	1.2E-06	4.9E-05	1.3E+00
m & p-Cresols	1.6E+00	1.6E+00	4.9E+02	2.5E-06	1.0E-04	1.9E+00
m-Cresol	7.8E-01	7.8E-01	3.0E+02	8.6E-07	3.5E-05	6.2E-01
o-Cresol	7.8E-01	7.8E-01	3.1E+02	1.2E-06	4.9E-05	6.3E-01

Table C-11
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 2 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
p-Cresol	6.4E-02	6.4E-02	3.0E+02	1.0E-06	4.1E-05	5.1E-02
Dibenzofuran	1.6E-02	1.6E-02	9.2E+03	2.1E-04	8.7E-03	3.0E-01
2,4-Dimethylphenol	7.0E-01	7.0E-01	4.9E+02	9.5E-07	3.9E-05	8.3E-01
m-Dinitrobenzene	1.6E-03	1.6E-03	3.5E+02	4.9E-08	2.0E-06	1.4E-03
Di-n-octyl phthalate	1.0E-02	1.0E-02	8.4E+07	6.7E-05	2.7E-03	1.7E+03
1,4-Dioxane	7.0E-02	7.0E-02	2.6E+00	4.8E-06	2.0E-04	1.4E-02
Formaldehyde	1.0E+00	1.0E+00	1.0E+00	3.4E-07	1.4E-05	2.0E-01
N-Nitrosodi-n-butylamine	3.2E-05	3.2E-05	9.1E+02	1.3E-05	5.4E-04	6.5E-05
N-Nitroso-n-methylethylamine	3.9E-05	3.9E-05	4.3E+01	1.4E-06	5.9E-05	1.1E-05
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	2.0E+00	2.0E+00	5.0E+03	1.8E-04	7.5E-03	2.1E+01
Acenaphthylene	1.0E-02	1.0E-02	3.1E+03	1.1E-04	4.6E-03	6.4E-02
Anthracene	4.7E+00	4.7E+00	1.6E+04	5.6E-05	2.3E-03	1.5E+02
Benzo(a)anthracene	1.2E-03	1.2E-03	1.8E+05	1.2E-05	4.9E-04	4.2E-01
Benzo(a)pyrene	2.0E-04	2.0E-04	5.9E+05	4.6E-07	1.9E-05	2.4E-01
Benzo(b)fluoranthene	1.2E-03	1.2E-03	6.0E+05	6.6E-07	2.7E-05	1.4E+00
Benzo(g,h,i)perylene	1.0E-02	1.0E-02	3.9E+06	1.4E-07	5.8E-06	7.7E+01
Benzo(k)fluoranthene	1.2E-02	1.2E-02	5.9E+05	5.8E-07	2.4E-05	1.4E+01
Chrysene	1.2E-01	1.2E-01	1.8E+05	5.2E-06	2.1E-04	4.3E+01
Dibenzo(a,h)anthracene	3.0E-04	3.0E-04	1.9E+06	1.4E-07	5.8E-06	1.1E+00
Fluoranthene	1.0E+00	1.0E+00	5.5E+04	8.9E-06	3.6E-04	1.1E+02
Fluorene	1.0E+00	1.0E+00	9.2E+03	9.6E-05	3.9E-03	1.9E+01
Indeno(1,2,3-cd)pyrene	5.0E-04	5.0E-04	2.0E+06	3.5E-07	1.4E-05	2.0E+00
Naphthalene	2.0E-02	2.0E-02	1.5E+03	4.4E-04	1.8E-02	6.6E-02
Phenanthrene	1.0E-02	1.0E-02	3.0E+04	2.3E-05	9.5E-04	6.0E-01
Pyrene	1.0E+00	1.0E+00	5.4E+04	1.2E-05	4.9E-04	1.1E+02
Dioxins						
2,3,7,8-TCDD Toxicity Equivalents	3.0E-08	6.0E-07	2.5E+05	5.0E-05	2.0E-03	3.0E-04
Pesticides						
Endrin	4.7E-03	4.7E-03	2.0E+04	1.0E-05	4.1E-04	1.9E-01
Endrin aldehyde	1.0E-04	1.0E-04	3.3E+03	2.9E-09	1.2E-07	6.7E-04
4,4'-DDT	2.5E-03	2.5E-03	1.7E+05	8.3E-06	3.4E-04	8.4E-01
Methoxychlor	7.8E-02	7.8E-02	2.7E+04	2.0E-07	8.3E-06	4.2E+00

Table C-11
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 2 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
Parathion	2.0E-01	2.0E-01	2.4E+03	3.0E-07	1.2E-05	1.0E+00
Polychlorinated Biphenyls						
Aroclor 1254	5.0E-04	5.0E-04	1.3E+05	2.8E-04	1.2E-02	1.3E-01
Aroclor 1260	5.0E-04	5.0E-04	3.5E+05	3.4E-04	1.4E-02	3.5E-01
Total PCBs	5.0E-04	5.0E-04	1.3E+05	2.8E-04	1.2E-02	1.3E-01
Inorganics						
Ammonia (as N)	3.0E+01	3.0E+01	5.0E+03	1.6E-05	6.6E-04	3.0E+02
Asbestos	7.0E+00	7.0E+00	NA	NA	NA	NA

Equation 10 (USEPA Soil Screening Guidance, 1996):
Screening Level in Soil (mg/kg) =

$$Cw \times \left\{ K_d + \left[\frac{\theta_w + \theta_a H'}{\rho_b} \right] \right\}$$

Cw	Type 2 GW RRS x DAF (mg/L).	=	constituent specific
DAF	Dilution attenuation factor.	=	1
K_d	soil-water partition coefficient (L/kg).	=	$K_{oc} \times f_{oc}$
K_{oc}	soil organic carbon/water partition coefficient (L/kg).	=	constituent specific
f_{oc}	fraction organic carbon in soil (g/g).	=	0.002
θ_w	water-filled soil porosity (Lwater/Lsoil).	=	0.3
θ_a	air-filled soil porosity (Lair/Lsoil).	=	$n-\theta_w = 0.134$
ρ_b	dry soil bulk density (kg/L).	=	1.5
n	soil porosity (Lpore/Lsoil).	=	$1-(\rho_b/\rho_s) = 0.43$
ρ_s	soil particle density (kg/L).	=	2.65
HLC	Henry's Law Constant (atm-m³/mol).	=	constituent specific
H'	dimensionless Henry's Law Constant (unitless)	=	HLC x 41

[a] Type 2 Groundwater Risk Reduction Standard (GW RRS) from Table C-13.

Boxing indicates maximum soil concentration greater than screening level based on partitioning.

atm-m^3/mole	Atmosphere - cubic meter per mole.	L =	Liter.
kg =	Kilogram.	mg =	Milligrams.

Table C-12
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 4 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
Volatile Organic Compounds						
Acetone	4.6E+01	4.6E+01	2.4E+00	3.5E-05	1.4E-03	9.4E+00
Acetonitrile	1.8E-01	1.8E-01	4.7E+00	3.5E-05	1.4E-03	3.8E-02
Acetophenone	1.0E+01	1.0E+01	5.2E+01	1.0E-05	4.3E-04	3.0E+00
Acrolein	5.8E-05	5.8E-05	1.0E+00	1.2E-04	5.0E-03	1.2E-05
Benzene	8.7E-03	8.7E-03	1.5E+02	5.6E-03	2.3E-01	4.4E-03
Biphenyl	1.2E-03	1.2E-03	5.1E+03	3.1E-04	1.3E-02	1.3E-02
Carbon disulfide	1.7E+00	1.7E+00	2.2E+01	1.4E-02	5.9E-01	5.0E-01
Chlorobenzene	1.4E-01	1.4E-01	2.3E+02	3.1E-03	1.3E-01	9.5E-02
trans-1,4-Dichlorobutene	1.9E-05	1.9E-05	1.3E+02	6.6E-04	2.7E-02	8.8E-06
1,2-Dichloropropane	7.4E-03	7.4E-03	6.1E+01	2.8E-03	1.2E-01	2.5E-03
1,4-Dichloro-2-butene	1.9E-05	1.9E-05	1.3E+02	6.6E-04	2.7E-02	8.8E-06
Ethylbenzene	2.9E-02	2.9E-02	4.5E+02	7.9E-03	3.2E-01	3.2E-02
Ethyl Methacrylate	9.2E+00	9.2E+00	1.7E+01	5.7E-04	2.3E-02	2.2E+00
Isobutyl alcohol	3.1E+01	3.1E+01	2.9E+00	9.8E-06	4.0E-04	6.4E+00
Methyl ethyl ketone	1.2E+01	1.2E+01	4.5E+00	5.7E-05	2.3E-03	2.5E+00
Methyl isobutyl ketone	4.2E+00	4.2E+00	1.3E+01	1.4E-04	5.6E-03	9.5E-01
Styrene	2.6E+00	2.6E+00	4.5E+02	2.8E-03	1.1E-01	2.9E+00
Tetrachloroethene	9.8E-02	9.8E-02	9.5E+01	1.8E-02	7.2E-01	4.4E-02
Toluene	5.2E+00	5.2E+00	2.3E+02	6.6E-03	2.7E-01	3.6E+00
Xylenes (total)	2.9E-01	2.9E-01	3.8E+02	5.2E-03	2.1E-01	2.9E-01
m-Xylene	2.9E-01	2.9E-01	3.8E+02	7.2E-03	2.9E-01	2.8E-01
o-Xylene	2.9E-01	2.9E-01	3.8E+02	5.2E-03	2.1E-01	2.9E-01
p-Xylene	2.9E-01	2.9E-01	3.8E+02	6.9E-03	2.8E-01	2.8E-01
m & p-Xylenes	2.9E-01	5.8E+00	1.6E+02	7.5E-03	3.1E-01	3.2E+00
Semi Volatile Organic Compounds						
Aniline	5.0E-01	5.0E-01	7.0E+01	2.0E-06	8.3E-05	1.7E-01
Bis(2-ethylhexyl)phthalate	2.0E-01	2.0E-01	1.2E+05	2.7E-07	1.1E-05	4.8E+01
Butyl benzyl phthalate	1.5E+00	1.5E+00	7.2E+03	1.3E-06	5.1E-05	2.2E+01
Total Cresols	1.0E+01	1.0E+01	3.1E+02	1.2E-06	4.9E-05	8.1E+00
m & p-Cresols	1.0E+01	1.0E+01	4.9E+02	2.5E-06	1.0E-04	1.2E+01
m-Cresol	5.1E+00	5.1E+00	3.0E+02	8.6E-07	3.5E-05	4.1E+00
o-Cresol	5.1E+00	5.1E+00	3.1E+02	1.2E-06	4.9E-05	4.1E+00
p-Cresol	5.1E-01	5.1E-01	3.0E+02	1.0E-06	4.1E-05	4.1E-01
Dibenzofuran	1.0E-01	1.0E-01	9.2E+03	2.1E-04	8.7E-03	1.9E+00

Table C-12
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 4 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
2,4-Dimethylphenol	2.0E+00	2.0E+00	4.9E+02	9.5E-07	3.9E-05	2.4E+00
m-Dinitrobenzene	1.0E-02	1.0E-02	3.5E+02	4.9E-08	2.0E-06	9.0E-03
Di-n-octyl phthalate	NA	NA	8.4E+07	6.7E-05	2.7E-03	NA
1,4-Dioxane	2.9E-02	2.9E-02	2.6E+00	4.8E-06	2.0E-04	6.0E-03
Formaldehyde	2.0E+01	2.0E+01	1.0E+00	3.4E-07	1.4E-05	4.0E+00
N-Nitrosodi-n-butylamine	4.7E-05	4.7E-05	9.1E+02	1.3E-05	5.4E-04	9.5E-05
N-Nitroso-n-methylethylamine	1.3E-04	1.3E-04	4.3E+01	1.4E-06	5.9E-05	3.7E-05
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	6.1E+00	6.1E+00	5.0E+03	1.8E-04	7.5E-03	6.3E+01
Acenaphthylene	NA	NA	3.1E+03	1.1E-04	4.6E-03	NA
Anthracene	3.1E+01	3.1E+01	1.6E+04	5.6E-05	2.3E-03	1.0E+03
Benzo(a)anthracene	3.9E-03	3.9E-03	1.8E+05	1.2E-05	4.9E-04	1.4E+00
Benzo(a)pyrene	3.9E-04	3.9E-04	5.9E+05	4.6E-07	1.9E-05	4.6E-01
Benzo(b)fluoranthene	3.9E-03	3.9E-03	6.0E+05	6.6E-07	2.7E-05	4.7E+00
Benzo(g,h,i)perylene	NA	NA	3.9E+06	1.4E-07	5.8E-06	NA
Benzo(k)fluoranthene	3.9E-02	3.9E-02	5.9E+05	5.8E-07	2.4E-05	4.6E+01
Chrysene	3.9E-01	3.9E-01	1.8E+05	5.2E-06	2.1E-04	1.4E+02
Dibenzo(a,h)anthracene	3.9E-04	3.9E-04	1.9E+06	1.4E-07	5.8E-06	1.5E+00
Fluoranthene	4.1E+00	4.1E+00	5.5E+04	8.9E-06	3.6E-04	4.6E+02
Fluorene	4.1E+00	4.1E+00	9.2E+03	9.6E-05	3.9E-03	7.6E+01
Indeno(1,2,3-cd)pyrene	3.9E-03	3.9E-03	2.0E+06	3.5E-07	1.4E-05	1.5E+01
Naphthalene	2.4E-03	2.4E-03	1.5E+03	4.4E-04	1.8E-02	7.9E-03
Phenanthrene	NA	NA	3.0E+04	2.3E-05	9.5E-04	NA
Pyrene	3.1E+00	3.1E+00	5.4E+04	1.2E-05	4.9E-04	3.4E+02
Dioxins						
2,3,7,8-TCDD Toxicity Equivalents	2.2E-08	4.4E-07	2.5E+05	5.0E-05	2.0E-03	2.2E-04
Pesticides						
Endrin	3.1E-02	3.1E-02	2.0E+04	1.0E-05	4.1E-04	1.3E+00
Endrin aldehyde	NA	NA	3.3E+03	2.9E-09	1.2E-07	NA

Table C-12
Soil Screening Level Partitioning Equation for Migration to Groundwater - Type 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Type 4 GW RRS [a] (mg/L)	Cw (mg/L)	K_{oc} (L/kg)	Henry's Law Constant (HLC) (atm-m³/mol)	H' (unitless)	Soil Screening Level (SSL) (mg/kg)
4,4'-DDT	8.4E-03	8.4E-03	1.7E+05	8.3E-06	3.4E-04	2.8E+00
Methoxychlor	5.1E-01	5.1E-01	2.7E+04	2.0E-07	8.3E-06	2.8E+01
Parathion	6.1E-01	6.1E-01	2.4E+03	3.0E-07	1.2E-05	3.1E+00
Polychlorinated Biphenyls						
Aroclor 1254	1.4E-03	1.4E-03	1.3E+05	2.8E-04	1.2E-02	3.7E-01
Aroclor 1260	1.4E-03	1.4E-03	3.5E+05	3.4E-04	1.4E-02	9.8E-01
Total PCBs	1.4E-03	1.4E-03	1.3E+05	2.8E-04	1.2E-02	3.7E-01
Inorganics						
Ammonia (as N)	NA	NA	5.0E+03	1.6E-05	6.6E-04	NA
Asbestos	NA	NA	NA	NA	NA	NA

Equation 10 (USEPA Soil Screening Guidance, 1996):
Screening Level in Soil (mg/kg) =

$$Cw \times \left\{ K_d + \left[\frac{\theta_w + \theta_a H'}{\rho_b} \right] \right\}$$

Cw	Type 4 GW RRS x DAF (mg/L).	=	constituent specific
DAF	Dilution attenuation factor.	=	1
K_d	soil-water partition coefficient (L/kg).	=	$K_{oc} \times f_{oc}$
K_{oc}	soil organic carbon/water partition coefficient (L/kg).	=	constituent specific
f_{oc}	fraction organic carbon in soil (g/g).	=	0.002
θ_w	water-filled soil porosity (Lwater/Lsoil).	=	0.3
θ_a	air-filled soil porosity (Lair/Lsoil).	=	$n-\theta_w = 0.134$
ρ_b	dry soil bulk density (kg/L).	=	1.5
n	soil porosity (Lpore/Lsoil).	=	$1-(\rho_b/\rho_s) = 0.43$
ρ_s	soil particle density (kg/L).	=	2.65
HLC	Henry's Law Constant (atm-m³/mol).	=	constituent specific
H'	dimensionless Henry's Law Constant (unitless)	=	HLC x 41

[a] Type 4 Groundwater Risk Reduction Standard (GW RRS) from Table C-16.

atm-m^3/mole Atmosphere - cubic meter per mole. L = Liter.
kg = Kilogram. mg = Milligrams.

Table C-13
Comparison of Maximum Concentrations in Groundwater to Types 1 and 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Sample Date	Type 1 RRS [a] (mg/L)	Source of Type 1 Standard	Type 2 RRS [b] (mg/L)	Source of Type 2 Standard	Type 1 Standard Exceeded?	Type 2 Standard Exceeded?
Volatile Organic Compounds									
Acetone	<0.025	NA	July 2011	4.0	A-III	8.0	RRSc	no	no
Acetonitrile	<0.04	NA	NA	0.20	A-III	0.20	Type 1	no	no
Acetophenone	<0.01	NA	July 2011	4.0	A-III	4.0	Type 1	no	no
Acrolein	<0.020	NA	July 2011	0.70	A-III	0.70	Type 1	no	no
Benzene	0.016	MW-F21	7/21/2011	0.0050	A-III	0.0054	RRSa	YES	YES
Biphenyl	<0.01	NA	NA	0.010	DL	0.010	Type 1	no	no
Carbon disulfide	<0.002	NA	July 2011	4.0	A-III	4.0	Type 1	no	no
Chlorobenzene	0.0011	MW-29	7/21/2011	0.10	A-III	0.10	Type 1	no	no
trans-1,4-Dichlorobutene	<0.002	NA	NA	0.002	DL	0.002	Type 1	no	no
1,2-Dichloropropane	<0.001	NA	July 2011	0.0050	A-III	0.0050	Type 1	no	no
1,4-Dichloro-2-butene	<0.001	NA	NA	0.0010	DL	0.0010	Type 1	no	no
Ethylbenzene	<0.001	NA	July 2011	0.70	A-III	0.70	Type 1	no	no
Ethyl Methacrylate	<0.001	NA	NA	3.0	A-III	3.0	Type 1	no	no
Isobutyl alcohol	<0.040	NA	July 2011	10	A-III	10	Type 1	no	no
Methyl ethyl ketone	<0.01	NA	NA	2.0	A-III	2.3	RRSc	no	no
Methyl isobutyl ketone	<0.01	NA	NA	2.0	A-III	2.0	Type 1	no	no
Styrene	<0.001	NA	NA	0.10	A-III	0.50	RRSc	no	no
Tetrachloroethene	0.0029	MW-27	7/22/2011	0.005	A-III	0.019	RRSc	no	no
Toluene	<0.001	NA	July 2011	1.0	A-III	1.0	Type 1	no	no
Xylenes (total)	0.0022	MW-F21	7/21/2011	10	A-III	10	Type 1	no	no
m-Xylene	<0.001	NA	NA	0.0010	DL	0.058	RRSc	no	no
o-Xylene	<0.001	NA	NA	0.0010	DL	0.058	RRSc	no	no
p-Xylene	<0.001	NA	NA	0.0010	DL	0.058	RRSc	no	no
m & p-Xylenes	<0.002	NA	NA	0.0020	DL	0.27	RRSa	no	no
Semi Volatile Organic Compound									
Aniline	<0.02	NA	NA	0.0060	A-III	0.11	RRSc	no	no
Bis(2-ethylhexyl)phthalate	0.046	MW-F11	7/19/2011	0.0060	A-III	0.061	RRSa	YES	no
Butyl benzyl phthalate	<0.01	NA	July 2011	0.10	A-III	0.45	RRSa	no	no
Total Cresols	<0.01	NA	NA	0.010	DL	1.6	RRSc	no	no
m & p-Cresols	<0.01	NA	NA	0.010	DL	1.6	c	no	no
m-Cresol	<0.01	NA	NA	0.010	DL	0.78	c	no	no
o-Cresol	<0.01	NA	NA	0.010	DL	0.78	c	no	no
p-Cresol	<0.01	NA	July 2011	0.010	DL	0.064	RRSc	no	no
Dibenzofuran	<0.01	NA	July 2011	0.010	DL	0.016	RRSc	no	no
2,4-Dimethylphenol	<0.01	NA	July 2011	0.70	A-III	0.70	Type 1	no	no
m-Dinitrobenzene	<0.01	NA	July 2011	0.001	A-III	0.0016	RRSc	no	no
Di-n-octyl phthalate	<0.01	NA	NA	0.010	DL	0.010	Type 1	no	no
1,4-Dioxane	0.021	MW-F21	7/21/2011	0.070	A-III	0.070	Type 1	no	no
Formaldehyde	<0.05	NA	July 2011	1.0	A-III	1.0	Type 1	no	no
N-Nitrosodi-n-butylamine	<0.01	NA	July 2011	0.000006	A-III	0.000032	RRSa	no	no
N-Nitroso-n-methylethylamine	<0.01	NA	July 2011	0.000002	A-III	0.000039	RRSa	no	no
Polycyclic Aromatic Hydrocarbon									
Acenaphthene	0.0062	MW-F21	7/21/2011	2.0	A-III	2.0	Type 1	no	no
Acenaphthylene	<0.01	NA	NA	0.010	DL	0.010	Type 1	no	no
Anthracene	<0.01	NA	NA	0.010	DL	4.7	RRSc	no	no
Benzo(a)anthracene	<0.01	NA	NA	0.0001	A-III	0.0012	RRSa	no	no
Benzo(a)pyrene	<0.01	NA	NA	0.0002	A-III	0.0002	Type 1	no	no
Benzo(b)fluoranthene	<0.01	NA	NA	0.0002	A-III	0.0012	RRSa	no	no
Benzo(g,h,i)perylene	<0.01	NA	NA	0.010	DL	0.010	Type 1	no	no
Benzo(k)fluoranthene	<0.01	NA	NA	0.010	DL	0.012	RRSa	no	no

Table C-13
Comparison of Maximum Concentrations in Groundwater to Types 1 and 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Sample Date	Type 1 RRS [a] (mg/L)	Source of Type 1 Standard	Type 2 RRS [b] (mg/L)	Source of Type 2 Standard	Type 1 Standard Exceeded?	Type 2 Standard Exceeded?
Chrysene	<0.01	NA	July 2011	0.0002	A-III	0.12	RRSa	no	no
Dibenzo(a,h)anthracene	<0.01	NA	NA	0.0003	A-III	0.0003	Type 1	no	no
Fluoranthene	<0.01	NA	July 2011	1.0	A-III	1.0	Type 1	no	no
Fluorene	<0.01	NA	July 2011	1.0	A-III	1.0	Type 1	no	no
Indeno(1,2,3-cd)pyrene	<0.01	NA	NA	0.00040	A-III	0.00050	RRSc	no	no
Naphthalene	0.43	MW-F21	7/21/2011	0.020	A-III	0.020	Type 1	YES	YES
Phenanthrene	<0.01	NA	July 2011	0.010	DL	0.010	Type 1	no	no
Pyrene	<0.01	NA	July 2011	1.0	A-III	1.0	Type 1	no	no
Dioxins									
2,3,7,8-TCDD Toxicity Equivalents	<0.00000001	NA	NA	0.00000003	A-III	0.00000003	Type 1	no	no
Pesticides									
Endrin	<0.0001	NA	NA	0.0020	A-III	0.0047	RRSc	no	no
Endrin aldehyde	0.00001	MWD-F1	11/4/2000	0.00010	DL	0.00010	Type 1	no	no
4,4'-DDT	<0.0001	NA	NA	0.00010	A-III	0.0025	RRSa	no	no
Methoxychlor	<0.0001	NA	NA	0.040	A-III	0.078	RRSc	no	no
Parathion	0.01	NA	NA	0.20	A-III	0.20	Type 1	no	no
Polychlorinated Biphenyls									
Aroclor 1254	<0.001	NA	NA	0.0005	A-III	0.0005	Type 1	no	no
Aroclor 1260	<0.001	NA	NA	0.0005	A-III	0.0005	Type 1	no	no
Total PCBs	<0.001	NA	NA	0.0005	A-III	0.0005	Type 1	no	no
Inorganics									
Ammonia (as N)	1.7	MW-F6	10/28/2000	30	A-III	30	Type 1	no	no
Asbestos (million per liter)	6.7	TMW-5	7/6/2000	7.0	A-III	7.0	Type 1	no	no
Fluoride	0.75	MWD-F3	11/3/2000	4.0	A-III	4.0	Type 1	no	no

[ ] Risk Reduction Standard exceeded.
Asbestos concentration and standard are reported in millions of fibers/structures per liter.
mg/L Milligrams per liter.
NA Not applicable.
RRS Risk Reduction Standard.

[a] Source of Type 1 RRS:
A-III: Appendix III.
DL: Detection limit.
[b] Source of Type 2 RRS:
RRSa: Calculated site-specific residential risk reduction standard based on adult exposure.
RRSc: Calculated site-specific residential risk reduction standard based on child exposure.
Type 1 RRS.

Table C-14
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Adult (Type 2) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	CANCER EFFECTS Route-Specific RRS (mg/L) Inhalation	CANCER EFFECTS RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Inhalation	NON-CANCER EFFECTS RRSnc (mg/L)	RRS (mg/L)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	3.3E+01	8.6E+01	2.4E+01	2.4E+01	N
Acetonitrile	NA	NA	NA	NA	1.7E-01	1.7E-01	1.7E-01	N
Acetophenone	NA	NA	NA	3.7E+00	NA	3.7E+00	3.7E+00	N
Acrolein	NA	NA	NA	1.8E-02	5.6E-05	5.5E-05	5.5E-05	N
Benzene	1.5E-02	8.3E-03	5.4E-03	1.5E-01	8.3E-02	5.3E-02	5.4E-03	C
Biphenyl	1.1E-01	NA	1.1E-01	1.8E+00	1.1E-03	1.1E-03	1.1E-03	N
Carbon disulfide	NA	NA	NA	3.7E+00	1.9E+00	1.3E+00	1.3E+00	N
Chlorobenzene	NA	NA	NA	7.3E-01	1.4E-01	1.2E-01	1.2E-01	N
trans-1,4-Dichlorobutene	NA	1.5E-05	1.5E-05	NA	NA	NA	1.5E-05	C
1,2-Dichloropropane	2.4E-02	6.5E-03	5.1E-03	3.3E+00	1.1E-02	1.1E-02	5.1E-03	C
1,4-Dichloro-2-butene	NA	1.5E-05	1.5E-05	NA	NA	NA	1.5E-05	C
Ethylbenzene	7.7E-02	2.6E-02	1.9E-02	3.7E+00	2.8E+00	1.6E+00	1.9E-02	C
Ethyl Methacrylate	NA	NA	NA	3.3E+00	NA	3.3E+00	3.3E+00	N
Isobutyl alcohol	NA	NV	NA	1.1E+01	NV	1.1E+01	1.1E+01	N
Methyl ethyl ketone	NA	NA	NA	2.2E+01	1.4E+01	8.5E+00	8.5E+00	N
Methyl isobutyl ketone	NA	NA	NA	2.9E+00	8.3E+00	2.2E+00	2.2E+00	N
Styrene	NA	NA	NA	7.3E+00	2.8E+00	2.0E+00	2.0E+00	N
Tetrachloroethene	4.1E-01	2.5E-01	1.5E-01	2.2E-01	1.1E-01	7.4E-02	7.4E-02	N
Toluene	NA	NA	NA	2.9E+00	1.4E+01	2.4E+00	2.4E+00	N
Xylenes (total)	NA	NA	NA	7.3E+00	2.8E-01	2.7E-01	2.7E-01	N
m-Xylene	NA	NA	NA	7.3E+00	2.8E-01	2.7E-01	2.7E-01	N
o-Xylene	NA	NA	NA	7.3E+00	2.8E-01	2.7E-01	2.7E-01	N
p-Xylene	NA	NA	NA	7.3E+00	2.8E-01	2.7E-01	2.7E-01	N
m & p-Xylenes	NA	NA	NA	7.3E+00	2.8E-01	2.7E-01	2.7E-01	N
Semi Volatile Organic Compounds								
Aniline	1.5E-01	NV	1.5E-01	2.6E-01	NV	2.6E-01	1.5E-01	C
Bis(2-ethylhexyl)phthalate	6.1E-02	NV	6.1E-02	7.3E-01	NV	7.3E-01	6.1E-02	C

Table C-14
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Adult (Type 2) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)	
Butyl benzyl phthalate	4.5E-01	NV	4.5E-01	7.3E+00	NV	7.3E+00	4.5E-01	C
Total Cresols	NA	NV	NA	3.7E+00	NV	3.7E+00	3.7E+00	N
m & p-Cresols	NA	NV	NA	3.7E+00	NV	3.7E+00	3.7E+00	N
m-Cresol	NA	NV	NA	1.8E+00	NV	1.8E+00	1.8E+00	N
o-Cresol	NA	NV	NA	1.8E+00	NV	1.8E+00	1.8E+00	N
p-Cresol	NA	NV	NA	1.8E-01	NV	1.8E-01	1.8E-01	N
Dibenzofuran	NA	NA	NA	3.7E-02	NA	3.7E-02	3.7E-02	N
2,4-Dimethylphenol	NA	NV	NA	7.3E-01	NV	7.3E-01	7.3E-01	N
m-Dinitrobenzene	NA	NV	NA	3.7E-03	NV	3.7E-03	3.7E-03	N
Di-n-octyl phthalate	NA	NV	NA	NA	NV	NA	NA	
1,4-Dioxane	8.5E-03	NV	8.5E-03	1.1E+00	NV	1.1E+00	8.5E-03	C
Formaldehyde	NA	NV	NA	7.3E+00	NV	7.3E+00	7.3E+00	N
N-Nitrosodi-n-butylamine	1.6E-04	4.1E-05	3.2E-05	NA	NA	NA	3.2E-05	C
N-Nitroso-n-methylethylamine	3.9E-05	NV	3.9E-05	NA	NV	NA	3.9E-05	C
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	NA	NA	NA	2.2E+00	NA	2.2E+00	2.2E+00	N
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	
Anthracene	NA	NA	NA	1.1E+01	NA	1.1E+01	1.1E+01	N
Benzo(a)anthracene	1.2E-03	NV	1.2E-03	NA	NV	NA	1.2E-03	C
Benzo(a)pyrene	1.2E-04	NV	1.2E-04	NA	NV	NA	1.2E-04	C
Benzo(b)fluoranthene	1.2E-03	NV	1.2E-03	NA	NV	NA	1.2E-03	C
Benzo(g,h,i)perylene	NA	NV	NA	NA	NV	NA	NA	
Benzo(k)fluoranthene	1.2E-02	NV	1.2E-02	NA	NV	NA	1.2E-02	C
Chrysene	1.2E-01	NV	1.2E-01	NA	NV	NA	1.2E-01	C
Dibenzo(a,h)anthracene	1.2E-04	NV	1.2E-04	NA	NV	NA	1.2E-04	C
Fluoranthene	NA	NV	NA	1.5E+00	NV	1.5E+00	1.5E+00	N
Fluorene	NA	NA	NA	1.5E+00	NA	1.5E+00	1.5E+00	N
Indeno(1,2,3-cd)pyrene	1.2E-03	NV	1.2E-03	NA	NV	NA	1.2E-03	C

Table C-14
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Adult (Type 2) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)	
Naphthalene	NA	1.9E-03	1.9E-03	7.3E-01	8.3E-03	8.2E-03	1.9E-03	C
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	
Pyrene	NA	NV	NA	1.1E+00	NV	1.1E+00	1.1E+00	N
Dioxins								
2,3,7,8-TCDD Toxicity Equivalents	6.6E-09	NV	6.6E-09	3.7E-08	NV	3.7E-08	6.6E-09	C
Pesticides								
Endrin	NA	NV	NA	1.1E-02	NV	1.1E-02	1.1E-02	N
Endrin aldehyde	NA	NV	NA	NA	NV	NA	NA	
4,4'-DDT	2.5E-03	NV	2.5E-03	1.8E-02	NV	1.8E-02	2.5E-03	C
Methoxychlor	NA	NV	NA	1.8E-01	NV	1.8E-01	1.8E-01	N
Parathion	NA	NV	NA	2.2E-01	NV	2.2E-01	2.2E-01	N
Polychlorinated Biphenyls								
Aroclor 1254	4.3E-04	NV	4.3E-04	7.3E-04	NV	7.3E-04	4.3E-04	C
Aroclor 1260	4.3E-04	NV	4.3E-04	NA	NV	NA	4.3E-04	C
Total PCBs	4.3E-04	NV	4.3E-04	7.3E-04	NV	7.3E-04	4.3E-04	C
Inorganics								
Ammonia (as N)	NA	NV	NA	NA	NV	NA	NA	
Fluoride	NA	NV	NA	1.5E+00	NV	1.5E+00	1.5E+00	N

RRSc (cancer effects) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (non-cancer effects) is calculated using a target hazard index (THI) of 1.

mg/L Milligrams per liter.
NA Not available; insufficient toxicity data.
RRS Risk reduction standard (mg/L); for each constituent, the minimum of the cancer-effects (RRSc) and the non-cancer-effects (RRSnc).

Table C-15
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Child (Type 2) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)	
Volatile Organic Compounds								
Acetone	NA	NA	NA	1.4E+01	1.8E+01	8.0E+00	8.0E+00	N
Acetonitrile	NA	NA	NA	NA	3.6E-02	3.6E-02	3.6E-02	N
Acetophenone	NA	NA	NA	1.6E+00	NA	1.6E+00	1.6E+00	N
Acrolein	NA	NA	NA	7.8E-03	1.2E-05	1.2E-05	1.2E-05	N
Benzene	3.3E-02	8.9E-03	7.0E-03	6.3E-02	1.8E-02	1.4E-02	7.0E-03	C
Biphenyl	2.3E-01	NA	2.3E-01	7.8E-01	2.4E-04	2.4E-04	2.4E-04	N
Carbon disulfide	NA	NA	NA	1.6E+00	4.2E-01	3.3E-01	3.3E-01	N
Chlorobenzene	NA	NA	NA	3.1E-01	3.0E-02	2.7E-02	2.7E-02	N
trans-1,4-Dichlorobutene	NA	1.7E-05	1.7E-05	NA	NA	NA	1.7E-05	C
1,2-Dichloropropane	5.1E-02	7.0E-03	6.1E-03	1.4E+00	2.4E-03	2.4E-03	2.4E-03	N
1,4-Dichloro-2-butene	NA	1.7E-05	1.7E-05	NA	NA	NA	1.7E-05	C
Ethylbenzene	1.7E-01	2.8E-02	2.4E-02	1.6E+00	6.0E-01	4.3E-01	2.4E-02	C
Ethyl Methacrylate	NA	NA	NA	1.4E+00	NA	1.4E+00	1.4E+00	N
Isobutyl alcohol	NA	NA	NA	4.7E+00	NA	4.7E+00	4.7E+00	N
Methyl ethyl ketone	NA	NA	NA	9.4E+00	3.0E+00	2.3E+00	2.3E+00	N
Methyl isobutyl ketone	NA	NA	NA	1.3E+00	1.8E+00	7.4E-01	7.4E-01	N
Styrene	NA	NA	NA	3.1E+00	6.0E-01	5.0E-01	5.0E-01	N
Tetrachloroethene	8.7E-01	2.7E-01	2.0E-01	9.4E-02	2.4E-02	1.9E-02	1.9E-02	N
Toluene	NA	NA	NA	1.3E+00	3.0E+00	8.8E-01	8.8E-01	N
Xylenes (total)	NA	NA	NA	3.1E+00	6.0E-02	5.8E-02	5.8E-02	N
m-Xylene	NA	NA	NA	3.1E+00	6.0E-02	5.8E-02	5.8E-02	N
o-Xylene	NA	NA	NA	3.1E+00	6.0E-02	5.8E-02	5.8E-02	N
p-Xylene	NA	NA	NA	3.1E+00	6.0E-02	5.8E-02	5.8E-02	N
m & p-Xylenes	NA	NV	NA	3.1E+00	NV	3.1E+00	3.1E+00	N
Semi Volatile Organic Compounds								
Aniline	3.2E-01	NV	3.2E-01	1.1E-01	NV	1.1E-01	1.1E-01	N
Bis(2-ethylhexyl)phthalate	1.3E-01	NV	1.3E-01	3.1E-01	NV	3.1E-01	1.3E-01	C
Butyl benzyl phthalate	9.6E-01	NV	9.6E-01	3.1E+00	NV	3.1E+00	9.6E-01	C

Table C-15
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Child (Type 2) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)	
Total Cresols	NA	NV	NA	1.6E+00	NV	1.6E+00	1.6E+00	N
m & p-Cresols	NA	NV	NA	1.6E+00	NV	1.6E+00	1.6E+00	N
m-Cresol	NA	NV	NA	7.8E-01	NV	7.8E-01	7.8E-01	N
o-Cresol	NA	NV	NA	7.8E-01	NV	7.8E-01	7.8E-01	N
p-Cresol	NA	NA	NA	7.8E-02	3.6E-01	6.4E-02	6.4E-02	N
Dibenzofuran	NA	NV	NA	1.6E-02	NV	1.6E-02	1.6E-02	N
2,4-Dimethylphenol	NA	NV	NA	3.1E-01	NV	3.1E-01	3.1E-01	N
m-Dinitrobenzene	NA	NV	NA	1.6E-03	NV	1.6E-03	1.6E-03	N
Di-n-octyl phthalate	NA	NV	NA	NA	NV	NA	NA	
1,4-Dioxane	1.8E-02	NV	1.8E-02	4.7E-01	NV	4.7E-01	1.8E-02	C
Formaldehyde	NA	5.3E-03	5.3E-03	3.1E+00	5.8E-03	5.8E-03	5.3E-03	C
N-Nitrosodi-n-butylamine	3.4E-04	NV	3.4E-04	NA	NV	NA	3.4E-04	C
N-Nitroso-n-methylethylamine	8.3E-05	#N/A	8.3E-05	NA	#N/A	NA	8.3E-05	C
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	NA	NA	NA	9.4E-01	NA	9.4E-01	9.4E-01	N
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	
Anthracene	NA	NV	NA	4.7E+00	NV	4.7E+00	4.7E+00	N
Benzo(a)anthracene	2.5E-03	NV	2.5E-03	NA	NV	NA	2.5E-03	C
Benzo(a)pyrene	2.5E-04	NV	2.5E-04	NA	NV	NA	2.5E-04	C
Benzo(b)fluoranthene	2.5E-03	NV	2.5E-03	NA	NV	NA	2.5E-03	C
Benzo(g,h,i)perylene	NA	NV	NA	NA	NV	NA	NA	
Benzo(k)fluoranthene	2.5E-02	NV	2.5E-02	NA	NV	NA	2.5E-02	C
Chrysene	2.5E-01	NV	2.5E-01	NA	NV	NA	2.5E-01	C
Dibenzo(a,h)anthracene	2.5E-04	NV	2.5E-04	NA	NV	NA	2.5E-04	C
Fluoranthene	NA	NA	NA	6.3E-01	NA	6.3E-01	6.3E-01	N
Fluorene	NA	NV	NA	6.3E-01	NV	6.3E-01	6.3E-01	N
Indeno(1,2,3-cd)pyrene	2.5E-03	6.3E-04	5.0E-04	NA	NA	NA	5.0E-04	C
Naphthalene	NA	2.0E-03	2.0E-03	3.1E-01	1.8E-03	1.8E-03	1.8E-03	N
Phenanthrene	NA	NV	NA	NA	NV	NA	NA	

Table C-15
Risk Reduction Standards for Potential Groundwater Ingestion Based on Residential Child (Type 2) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)	
Pyrene	NA	NV	NA	4.7E-01	NV	4.7E-01	4.7E-01	N
Dioxins								
2,3,7,8-TCDD Toxicity Equivalents	1.4E-08	NV	1.4E-08	1.6E-08	NV	1.6E-08	1.4E-08	C
Pesticides								
Endrin	NA	NV	NA	4.7E-03	NV	4.7E-03	4.7E-03	N
Endrin aldehyde	NA	NV	NA	NA	NV	NA	NA	
4,4'-DDT	5.4E-03	NV	5.4E-03	7.8E-03	NV	7.8E-03	5.4E-03	C
Methoxychlor	NA	NV	NA	7.8E-02	NV	7.8E-02	7.8E-02	N
Parathion	NA	NV	NA	9.4E-02	NV	9.4E-02	9.4E-02	N
Polychlorinated Biphenyls								
Aroclor 1254	9.1E-04	NV	9.1E-04	3.1E-04	NV	3.1E-04	3.1E-04	N
Aroclor 1260	9.1E-04	NV	9.1E-04	NA	NV	NA	9.1E-04	C
Total PCBs	9.1E-04	NV	9.1E-04	3.1E-04	NV	3.1E-04	3.1E-04	N
Inorganics								
Ammonia (as N)	NA	NV	NA	NA	NV	NA	NA	
Asbestos (million per liter)	NA	NV	NA	NA	NV	NA	NA	
Fluoride	NA	NV	NA	6.3E-01	NV	6.3E-01	6.3E-01	N

RRSc (cancer effects) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (non-cancer effects) is calculated using a target hazard index (THI) of 1.

mg/L Milligrams per liter.
NA Not available; insufficient toxicity data.
NC Not a suspected carcinogen.
RRS Risk reduction standard (mg/L); for each constituent, the minimum of the cancer-effects (RRSc) and the non-cancer-effects (RRSnc).

Table C-16
Comparison of Maximum Concentrations in Groundwater to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/L)	Source of Type 3 Standard	Type 4 RRS [b] (mg/L)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
Volatile Organic Compounds									
Acetone	<0.025	NA	July 2011	4.0	A-III	46.0	RRS	no	no
Acetonitrile	<0.04	NA	NA	0.20	A-III	0.20	Type 3	no	no
Acetophenone	<0.01	NA	July 2011	4.0	A-III	10.0	RRS	no	no
Acrolein	<0.020	NA	July 2011	0.70	A-III	0.70	Type 3	no	no
Benzene	0.016	MW-F21	7/21/2011	0.0050	A-III	0.0087	RRS	YES	YES
Biphenyl	<0.01	NA	NA	0.010	DL	0.010	Type 3	no	no
Carbon disulfide	<0.002	NA	July 2011	4.0	A-III	4.00	Type 3	no	no
Chlorobenzene	0.0011	MW-29	7/21/2011	0.10	A-III	0.1400	RRS	no	no
trans-1,4-Dichlorobutene	<0.002	NA	NA	0.0020	DL	0.0020	Type 3	no	no
1,2-Dichloropropane	<0.001	NA	July 2011	0.0050	A-III	0.0074	RRS	no	no
1,4-Dichloro-2-butene	<0.001	NA	NA	0.0010	DL	0.00	Type 3	no	no
Ethylbenzene	<0.001	NA	July 2011	0.70	A-III	0.7	Type 3	no	no
Ethyl Methacrylate	<0.001	NA	NA	3.0	A-III	9.2	RRS	no	no
Isobutyl alcohol	<0.040	NA	July 2011	10	A-III	31.0	RRS	no	no
Methyl ethyl ketone	<0.01	NA	NA	2.0	A-III	12.00	RRS	no	no
Methyl isobutyl ketone	<0.01	NA	NA	2.0	A-III	4.2000	RRS	no	no
Styrene	<0.001	NA	NA	0.10	A-III	2.6	RRS	no	no
Tetrachloroethene	0.0029	MW-27	7/22/2011	0.0050	A-III	0.098	RRS	no	no
Toluene	<0.001	NA	July 2011	1.0	A-III	5.2000	RRS	no	no
Xylenes (total)	0.0022	MW-F21	7/21/2011	10	A-III	10.0000	Type 3	no	no
m-Xylene	<0.001	NA	NA	0.0010	DL	0.2900	RRS	no	no
o-Xylene	<0.001	NA	NA	0.0010	DL	0.2900	RRS	no	no
p-Xylene	<0.001	NA	NA	0.0010	DL	0.29	RRS	no	no
m & p-Xylenes	0.002	NA	NA	0.0020	DL	0.2900	RRS	no	no
Semi Volatile Organic Compounds									
Aniline	<0.020	NA	NA	0.0060	A-III	0.50	RRS	no	no
Bis(2-ethylhexyl)phthalate	0.046	MW-F11	7/19/2011	0.0060	A-III	0.200	RRS	YES	no
Butyl benzyl phthalate	<0.01	NA	July 2011	0.10	A-III	1.500	RRS	no	no
Total Cresols	<0.01	NA	NA	0.010	DL	10.000	RRS	no	no
m & p-Cresols	<0.01	NA	NA	0.010	DL	10.000	RRS	no	no
m-Cresol	<0.01	NA	NA	0.010	DL	5.10	RRS	no	no
o-Cresol	<0.01	NA	NA	0.010	DL	5.1000	RRS	no	no
p-Cresol	<0.01	NA	July 2011	0.010	DL	0.510	RRS	no	no
Dibenzofuran	<0.01	NA	July 2011	0.010	DL	0.100	RRS	no	no
2,4-Dimethylphenol	<0.01	NA	July 2011	0.70	A-III	2.0	RRS	no	no
m-Dinitrobenzene	<0.01	NA	July 2011	0.0010	A-III	0.0100000	RRS	no	no
Di-n-octyl phthalate	<0.01	NA	NA	0.010	DL	0.0100000	Type 3	no	no
1,4-Dioxane	0.021	MW-F21	7/21/2011	0.070	A-III	0.07	Type 3	no	no
Formaldehyde	<0.05	NA	July 2011	1.0	A-III	20.0	RRS	no	no
N-Nitrosodi-n-butylamine	<0.01	NA	July 2011	0.0000060	A-III	0.000	RRS	no	no
N-Nitroso-n-methylethylamine	<0.01	NA	July 2011	0.0000020	A-III	0.000	RRS	no	no
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	0.0062	MW-F21	7/21/2011	2.0	A-III	6.10000	RRS	no	no
Acenaphthylene	<0.01	NA	NA	0.010	DL	0.010	Type 3	no	no
Anthracene	<0.01	NA	NA	0.010	DL	31.000	RRS	no	no
Benzo(a)anthracene	<0.01	NA	NA	0.00010	A-III	0.00390	RRS	no	no
Benzo(a)pyrene	<0.01	NA	NA	0.00020	A-III	0.00039	RRS	no	no
Benzo(b)fluoranthene	<0.01	NA	NA	0.00020	A-III	0.0	RRS	no	no
Benzo(g,h,i)perylene	<0.01	NA	NA	0.010	DL	0.0	Type 3	no	no
Benzo(k)fluoranthene	<0.01	NA	NA	0.010	DL	0.03900	RRS	no	no
Chrysene	<0.01	NA	July 2011	0.00020	A-III	0.390	RRS	no	no
Dibenzo(a,h)anthracene	<0.01	NA	NA	0.00030	A-III	0.000	RRS	no	no
Fluoranthene	<0.01	NA	July 2011	1.0	A-III	4.1	RRS	no	no
Fluorene	<0.01	NA	July 2011	1.0	A-III	4.1	RRS	no	no
Indeno(1,2,3-cd)pyrene	<0.01	NA	NA	0.00040	A-III	0.00390000	RRS	no	no
Naphthalene	0.43	MW-F21	7/21/2011	0.020	A-III	0.02	Type 3	YES	YES
Phenanthrene	<0.01	NA	July 2011	0.010	DL	0.0100	Type 3	no	no
Pyrene	<0.01	NA	July 2011	1.0	A-III	3.1	RRS	no	no
Dioxins									
2,3,7,8-TCDD Toxicity Equivalents	<0.00000001	NA	NA	0.00000003	A-III	0.000	Type 3	no	no

Table C-16
Comparison of Maximum Concentrations in Groundwater to Types 3 and 4 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance		Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Sample Date	Type 3 RRS [a] (mg/L)	Source of Type 3 Standard	Type 4 RRS [b] (mg/L)	Source of Type 4 Standard	Type 3 Standard Exceeded?	Type 4 Standard Exceeded?
Pesticides										
Endrin		<0.0001	NA	NA	0.0020	A-III	0.031000000	RRS	no	no
Endrin aldehyde		0.00001	MWD-F1	11/4/2000	0.0001	DL	0.00010	Type 3	no	no
4,4'-DDT		<0.0001	NA	NA	0.00010	A-III	0.00840	RRS	no	no
Methoxychlor		<0.0001	NA	NA	0.040	A-III	0.51000	RRS	no	no
Parathion		<0.01	NA	NA	0.20	A-III	0.61	RRS	no	no
Polychlorinated Biphenyls										
Aroclor 1254		<0.001	NA	NA	0.00050	A-III	0.0	RRS	no	no
Aroclor 1260		<0.001	NA	NA	0.00050	A-III	0.0	RRS	no	no
Total PCBs		<0.001	NA	NA	0.00050	A-III	0.0014	RRS	no	no
Inorganics										
Ammonia (as N)		1.7	MW-F6	10/28/2000	30	A-III	30	Type 3	no	no
Asbestos	(million per liter)	6.7	TMW-5	7/6/2000	7.0	A-III	7	Type 3	no	no
Fluoride		0.75	MWD-F3	11/3/2000	4.0	A-III	4.1	RRS	no	no

	Risk Reduction Standard exceeded.
mg/L	Milligrams per liter.
NA	Not applicable.
RRS	Risk Reduction Standard.
[a]	Source of Type 3 RRS:
	A-III: Appendix III.
	DL: Detection limit.
	BKG: Background.
[b]	Source of Type 4 RRS:
	RRS: Calculated site-specific industrial risk reduction standard.
	Type 3 RRS.

Table C-17

Risk Reduction Standards for Potential Groundwater Ingestion Based on Industrial (Type 4) Exposure

Voluntary Investigation and Remediation Plan

Hercules Inc.

Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)
Volatile Organic Compounds							
Acetone	NA	NA	NA	9.2E+01	9.1E+01	4.6E+01	4.6E+01
Acetonitrile	NA	NA	NA	NA	1.8E-01	1.8E-01	1.8E-01
Acetophenone	NA	NA	NA	1.0E+01	NA	1.0E+01	1.0E+01
Acrolein	NA	NA	NA	5.1E-02	5.8E-05	5.8E-05	5.8E-05
Benzene	5.2E-02	1.0E-02	8.7E-03	4.1E-01	8.8E-02	7.2E-02	8.7E-03
Biphenyl	3.6E-01	NA	3.6E-01	5.1E+00	1.2E-03	1.2E-03	1.2E-03
Carbon disulfide	NA	NA	NA	1.0E+01	2.0E+00	1.7E+00	1.7E+00
Chlorobenzene	NA	NA	NA	2.0E+00	1.5E-01	1.4E-01	1.4E-01
trans-1,4-Dichlorobutene	NA	1.9E-05	1.9E-05	NA	NA	NA	1.9E-05
1,2-Dichloropropane	7.9E-02	8.2E-03	7.4E-03	9.2E+00	1.2E-02	1.2E-02	7.4E-03
1,4-Dichloro-2-butene	NA	1.9E-05	1.9E-05	NA	NA	NA	1.9E-05
Ethylbenzene	2.6E-01	3.3E-02	2.9E-02	1.0E+01	2.9E+00	2.3E+00	2.9E-02
Ethyl Methacrylate	NA	NA	NA	9.2E+00	NA	9.2E+00	9.2E+00
Isobutyl alcohol	NA	NV	NA	3.1E+01	NV	3.1E+01	3.1E+01
Methyl ethyl ketone	NA	NA	NA	6.1E+01	1.5E+01	1.2E+01	1.2E+01
Methyl isobutyl ketone	NA	NA	NA	8.2E+00	8.8E+00	4.2E+00	4.2E+00
Styrene	NA	NA	NA	2.0E+01	2.9E+00	2.6E+00	2.6E+00
Tetrachloroethene	1.4E+00	3.1E-01	2.6E-01	6.1E-01	1.2E-01	9.8E-02	9.8E-02
Toluene	NA	NA	NA	8.2E+00	1.5E+01	5.2E+00	5.2E+00
Xylenes (total)	NA	NA	NA	2.0E+01	2.9E-01	2.9E-01	2.9E-01
m-Xylene	NA	NA	NA	2.0E+01	2.9E-01	2.9E-01	2.9E-01
o-Xylene	NA	NA	NA	2.0E+01	2.9E-01	2.9E-01	2.9E-01
p-Xylene	NA	NA	NA	2.0E+01	2.9E-01	2.9E-01	2.9E-01
m & p-Xylenes	NA	NA	NA	2.0E+01	2.9E-01	2.9E-01	2.9E-01
Semi Volatile Organic Compounds							
Aniline	5.0E-01	NV	5.0E-01	7.2E-01	NV	7.2E-01	5.0E-01
Bis(2-ethylhexyl)phthalate	2.0E-01	NV	2.0E-01	2.0E+00	NV	2.0E+00	2.0E-01
Butyl benzyl phthalate	1.5E+00	NV	1.5E+00	2.0E+01	NV	2.0E+01	1.5E+00
Total Cresols	NA	NV	NA	1.0E+01	NV	1.0E+01	1.0E+01

Table C-17
Risk Reduction Standards for Potential Groundwater Ingestion Based on Industrial (Type 4) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)
m & p-Cresols	NA	NV	NA	1.0E+01	NV	1.0E+01	1.0E+01
m-Cresol	NA	NV	NA	5.1E+00	NV	5.1E+00	5.1E+00
o-Cresol	NA	NV	NA	5.1E+00	NV	5.1E+00	5.1E+00
p-Cresol	NA	NV	NA	5.1E-01	NV	5.1E-01	5.1E-01
Dibenzofuran	NA	NA	NA	1.0E-01	NA	1.0E-01	1.0E-01
2,4-Dimethylphenol	NA	NV	NA	2.0E+00	NV	2.0E+00	2.0E+00
m-Dinitrobenzene	NA	NV	NA	1.0E-02	NV	1.0E-02	1.0E-02
Di-n-octyl phthalate	NA	NV	NA	NA	NV	NA	NA
1,4-Dioxane	2.9E-02	NV	2.9E-02	3.1E+00	NV	3.1E+00	2.9E-02
Formaldehyde	NA	NV	NA	2.0E+01	NV	2.0E+01	2.0E+01
N-Nitrosodi-n-butylamine	5.3E-04	5.1E-05	4.7E-05	NA	NA	NA	4.7E-05
N-Nitroso-n-methylethylamine	1.3E-04	NV	1.3E-04	NA	NV	NA	1.3E-04
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	NA	NA	NA	6.1E+00	NA	6.1E+00	6.1E+00
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	3.1E+01	NA	3.1E+01	3.1E+01
Benzo(a)anthracene	3.9E-03	NV	3.9E-03	NA	NV	NA	3.9E-03
Benzo(a)pyrene	3.9E-04	NV	3.9E-04	NA	NV	NA	3.9E-04
Benzo(b)fluoranthene	3.9E-03	NV	3.9E-03	NA	NV	NA	3.9E-03
Benzo(g,h,i)perylene	NA	NV	NA	NA	NV	NA	NA
Benzo(k)fluoranthene	3.9E-02	NV	3.9E-02	NA	NV	NA	3.9E-02
Chrysene	3.9E-01	NV	3.9E-01	NA	NV	NA	3.9E-01
Dibenzo(a,h)anthracene	3.9E-04	NV	3.9E-04	NA	NV	NA	3.9E-04
Fluoranthene	NA	NV	NA	4.1E+00	NV	4.1E+00	4.1E+00
Fluorene	NA	NA	NA	4.1E+00	NA	4.1E+00	4.1E+00
Indeno(1,2,3-cd)pyrene	3.9E-03	NV	3.9E-03	NA	NV	NA	3.9E-03
Naphthalene	NA	2.4E-03	2.4E-03	2.0E+00	8.8E-03	8.7E-03	2.4E-03
Phenanthrene	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NV	NA	3.1E+00	NV	3.1E+00	3.1E+00
Dioxins							

Table C-17
Risk Reduction Standards for Potential Groundwater Ingestion Based on Industrial (Type 4) Exposure
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSc (mg/L)	NON-CANCER EFFECTS Route-Specific RRS (mg/L) Oral	Inhalation	RRSnc (mg/L)	RRS (mg/L)
2,3,7,8-TCDD Toxicity Equivalents	2.2E-08	NV	2.2E-08	1.0E-07	NV	1.0E-07	2.2E-08
Pesticides							
Endrin	NA	NV	NA	3.1E-02	NV	3.1E-02	3.1E-02
Endrin aldehyde	NA	NV	NA	NA	NV	NA	NA
4,4'-DDT	8.4E-03	NV	8.4E-03	5.1E-02	NV	5.1E-02	8.4E-03
Methoxychlor	NA	NV	NA	5.1E-01	NV	5.1E-01	5.1E-01
Parathion	NA	NV	NA	6.1E-01	NV	6.1E-01	6.1E-01
Polychlorinated Biphenyls							
Aroclor 1254	1.4E-03	NV	1.4E-03	2.0E-03	NV	2.0E-03	1.4E-03
Aroclor 1260	1.4E-03	NV	1.4E-03	NA	NV	NA	1.4E-03
Total PCBs	1.4E-03	NV	1.4E-03	2.0E-03	NV	2.0E-03	1.4E-03
Inorganics							
Ammonia (as N)	NA	NV	NA	NA	NV	NA	NA
Asbestos (million per liter)	NA	NV	NA	NA	NV	NA	NA
Fluoride	NA	NV	NA	4.1E+00	NV	4.1E+00	4.1E+00

RRSc (cancer effects) is calculated using a target cancer risk (TCR) of 1E-05; RRSnc (non-cancer effects) is calculated using a target hazard index (TH

mg/L Milligrams per liter.
NA Not available; insufficient toxicity data.
NC Not a suspected carcinogen.
RRS Risk reduction standard (mg/L); for each constituent, the minimum of the cancer-effects (RRSc) and the non-cancer-effects (RRSnc).

Table C-18
Comparison of Maximum Concentrations Detected in Sediment to Type 1 and 2 Risk Reduction Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration (mg/kg)	Location of Maximum Detection	Sample Date	Type 1 RRS [a] (mg/kg)	Source of Type 1 Standard	Type 2 RRS [b] (mg/kg)	Source of Type 2 Standard	Type 1 Standard Exceeded?	Type 2 Standard Exceeded?
Volatile Organic Compounds									
Acetone	2.2E-01	SD-F3	11/2/2000	4.0E+02	GW	4.0E+02	Type 1	no	no
Semi Volatile Organic Compounds									
Bis(2-ethylhexyl)phthalate	5.4E-01	SD-F2	11/2/2000	5.0E+01	A-I	5.0E+01	Type 1	no	no
Polycyclic Aromatic Hydrocarbons									
Benzo(a)pyrene	8.0E-01	SD-F5	11/2/2000	1.6E+00	A-I	1.6E+00	Type 1	no	no
Dioxins									
2,3,7,8-TCDD Toxicity Equivalents	4.4E-05	SD-F2/F3/F4/F5	11/2/2000	8.0E-05	A-I	8.0E-05	Type 1	no	no

	Maximum exceeds Risk Reduction Standard.
mg/kg	Milligrams per kilogram.
NA	Not applicable.
RRS	Risk Reduction Standard.

[a] Source of Type 1 RRS:
A-1: Appendix I notification requirement (NC) ("App I NC").
A-III: Appendix III Table 2 (16 metals).
GW: Appendix III Table 1 times 100.
PRGc-Res: Calculated default residential carcinogenic preliminary remediation goal.
PRGnc-Res: Calculated default residential non-carcinogenic preliminary remediation goal.

[b] Source of Type 2 RRS:
RRSa: Calculated site-specific residential risk reduction standard based on adult.
RRSc: Calculated site-specific residential risk reduction standard based on child.
SSL: Soil screeening level for Migration to Groundwater.
Type 1 RRS.

Table C-19
Comparison of Maximum Concentrations Detected in Surface Water to Georgia In-Stream Standards
Voluntary Investigation and Remediation Plan
Hercules Inc.
Savannah, GA

Detected Regulated Substance	Maximum Concentration Detected (mg/L)	Location of Maximum Detection	Georgia In-Stream Standard (mg/L)	Georgia In-Stream Standard Exceeded?	Type 1 Groundwater RRS (mg/L)	Type 1 Standard Exceeded?
Volatile Organic Compounds						
1,4-Dioxane	0.012	SW-F3SW-F4	NA	no	0.070	no
Ammonia (as N)	0.79	SW-F5	NA	no	30	no
Fluoride	0.69	SW-F3	NA	no	4	no

mg/L	Milligrams per liter.
NA	Not available.
RRS	Risk reduction standard.

Appendix D

Water Well Survey Summary

Map Symbol	Site	Well ID	Database	Location From Site (mile)	TD (ft)	DTW (ft)	Description
A	Hercules 03	USGS2280449	FED USGS	0-1/8 mi	1006	120.9	
		1836	GA Wells	0-1/8 mi	1006		Hercules 03, unused, open hole from 275-1006
		1837	GA Wells	0-1/8 mi	275		Hercules 03"unused"
	Hercules 02	USGS2280453	FED USGS	0-1/8 mi	755	55.00	WL collected in 1946
		1842	GA Wells	0-1/8 mi	244		Hercules 02 Casing to 244'
		1841	GA Wells	0-1/8 mi	755		Hercules 02, open hole 244-755' (same as above)
B	Hercules 04	1835	GA Wells	0-1/8 mi	921		Hercules 04, 270'-921'
		USGS2280448	FED USGS	0-1/8 mi	1000'	85	usege not listed. WL 85' measured in 1956
P(9)	Roger Wood Packing*	GA0510171	FEDS PWS	1/8-1/4			Roger Wood Packing. Population served: 250. No info on well construction
C	Hercules 01	1844	GA Wells	1/8-1/4	750		Hercules 01, open hole from 251-750'. Use: "Industrial"
		1845	GA Wells	1/8-1/4	750		same as above
		USGS2280455	FED USGS	1/8-1/4	750	40	WL collected in 1940, no information on usage
D		USGS2280460	FED USGS	1/4-1/2	413	82.49	no infor on usage. Multiple WL measurements, most recent 82.49 from 2005
	Layne Atlantic	1849	GA Wells	1/4-1/2	406		"Layne Atlantic" open hole 205-406', "unused"
E	State Farmers Market	1850	GA Wells	1/4-1/2	500		"State Farmers Market" open hole 280-500' Primary use: "Public Supply"
		USGS2280461	FED USGS	1/4-1/2	500	57	WL collected in 1953, no inofrmation on usage
17-22		11598	AQUIFLOW	1/2 1		16.34-20.38	this appears to be WL meaurements from undisclosed well/stream
		11643	AQUIFLOW	1/2 1		2.00-3.00	this appears to be WL meaurements from undisclosed well/stream
		19273	AQUIFLOW	1/2 1		7-8.5	this appears to be WL meaurements from undisclosed well/stream
		11642	AQUIFLOW	1/2 1		6.00-9.00	this appears to be WL meaurements from undisclosed well/stream
		11649	AQUIFLOW	1/2 1		2.5	this appears to be WL meaurements from undisclosed well/stream
		19116	AQUIFLOW	1/2 1		3.84-19.11	this appears to be WL meaurements from undisclosed well/stream
G	Bradley Plywood	USGS2280451	FED USGS	1/2 1	320	101.57	WL measured in 1955, no usage information
		1839	GA Wells	1/2 1	320		Usage: "Commercial) Bradley Plywood Co. Open hole from 248-320'

* See Below

Drinking Water Branch

Water System Details

Water System No. :	GA0510171	**Federal Type :**	NTNC
Water System Name :	ROGER WOOD PACKING COMPANY	**State Type :**	NTNC
Principal County Served :	CHATHAM	**Primary Source :**	GW
Status :	A	**Activity Date :**	03-12-1980

Points of Contact

Name	Job Title	Type	Phone	Address	Email
SMITH, DONALD S	null	DO	912-352-9339	POB 13705, SAVANNAH, GA-31416-3705	dsmithsav@bellsouth.net
SMITH, DONALD S	null	EC	912-352-9339	POB 13705, SAVANNAH, GA-31416-3705	dsmithsav@bellsouth.net
PHILLIPS, SHANE	PLANT ENGINEER	OW	912-964-6335	POB 2926, SAVANNAH, GA-31402-2926	Not Available
SPIRES, SHARON	ADM CONTACT/OPR	AC	813-763-3068	POB 2926, SAVANNAH, GA-31402-2926	ss2010ecs@gmail.com
SPIRES, SHARON	ADM CONTACT/OPR	EC	813-763-3068	POB 2926, SAVANNAH, GA-31402-2926	ss2010ecs@gmail.com
SPIRES, SHARON	ADM CONTACT/OPR	LE	813-763-3068	POB 2926, SAVANNAH, GA-31402-2926	ss2010ecs@gmail.com
SPIRES, SHARON	ADM CONTACT/OPR	LC	813-763-3068	POB 2926, SAVANNAH, GA-31402-2926	ss2010ecs@gmail.com
BLAKE, CHRISTINE	ACCTS PAYABLE	FC	912-652-9602	7 ALFRED ST, SAVANNAH, GA-31408	Not Available
PHILLIPS, JODIE	OPR	EC	912-652-9607	7 ALFRED ST, SAVANNAH, GA-31408	Not Available
PHILLIPS, JODIE	OPR	LE	912-652-9607	7 ALFRED ST, SAVANNAH, GA-31408	Not Available
PHILLIPS, JODIE	OPR	LC	912-652-9607	7 ALFRED ST, SAVANNAH, GA-31408	Not Available
PHILLIPS, JODIE	OPR	OP	912-652-9607	7 ALFRED ST, SAVANNAH, GA-31408	Not Available
PHILLIPS, JODIE	OPR	SA	912-652-9607	7 ALFRED ST, SAVANNAH, GA-31408	Not Available
PHILLIPS, JODIE (UPS)	OPR	SA	912-652-9607	7 ALFRED ST, SAVANNAH, GA-31408	Not Available

Annual Operating Periods & Population Served

Start Month	Start Day	End Month	End Day	Population Type	Population Served
1	1	12	31	NT	220

Service Connections

Type	Count	Meter Type	Meter Size Measure
IN	1	UN	0

Sources of Water

Name	Type Code	Status
WELL #1	WL	A

Service Areas

Code	Name
NT	INDUSTRIAL/AGRICULTURAL

County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Wildlife Areas

SITE NAME:	Hercules Savannah	CLIENT:	ARCADIS U.S., Inc.
ADDRESS:	3000 Louisville Road Savannah GA 31415	CONTACT:	Holly English
LAT/LONG:	32.0876 / 81.1479	INQUIRY #:	3278422.1s
		DATE:	March 21, 2012 1:21 pm

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Appendix E

Laboratory Analytical Data

SEVERN TRENT SERVICES
STL Savannah
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LOG NO: S0-07599
Received: 03 NOV 00
Reported: 14 NOV 00
Revised: 29 NOV 00

Ms. Sally Almond
ARCADIS Geraghty & Miller, Inc.
97 Midway Lane
Oak Ridge, TN 37830

Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14130124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07599-1	SW-F3	11-02-00	SAV08
07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Acids and Base Neutrals (8270-APP9)			
Acenaphthene, ug/l	10U	10U	10U
Acenaphthylene, ug/l	10U	10U	10U
Acetophenone, ug/l	10U	10U	10U
2-Acetylaminofluorene, ug/l	10U	10U	10U
4-Aminobiphenyl, ug/l	10U	10U	10U
Aniline, ug/l	20U	20U	20U
Anthracene, ug/l	10U	10U	10U
Aramite, Total, ug/l	10U	10U	10U
Benzo(a)anthracene, ug/l	10U	10U	10U
Benzo(b)fluoranthene, ug/l	10U	10U	10U
Benzo(k)fluoranthene, ug/l	10U	10U	10U
Benzo(g,h,i)perylene, ug/l	10U	10U	10U
Benzo(a)pyrene, ug/l	10U	10U	10U
Benzyl alcohol, ug/l	10U	10U	10U
bis(2-Chloroethoxy)methane, ug/l	10U	10U	10U
bis(2-Chloroethyl)ether, ug/l	10U	10U	10U
2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/l	10U	10U	10U
bis(2-Ethylhexyl)phthalate, ug/l	10U	10U	10U
4-Bromophenylphenyl ether, ug/l	10U	10U	10U

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07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Butylbenzylphthalate, ug/l	10U	10U	10U
4-Chloroaniline (p-Chloroaniline), ug/l	20U	20U	20U
4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/l	10U	10U	10U
2-Chloronaphthalene, ug/l	10U	10U	10U
2-Chlorophenol, ug/l	10U	10U	10U
4-Chlorophenylphenyl ether, ug/l	10U	10U	10U
Chrysene, ug/l	10U	10U	10U
Cresol, m & p, ug/l	10U	10U	10U
Cresol (ortho), ug/l	10U	10U	10U
Diallate, Total, ug/l	10U	10U	10U
Dibenzo(a,h)anthracene, ug/l	10U	10U	10U
Dibenzofuran, ug/l	10U	10U	10U
Di-n-butylphthalate, ug/l	10U	10U	10U
1,2-Dichlorobenzene (o-Dichlorobenzene), ug/l	10U	10U	10U
1,3-Dichlorobenzene (m-Dichlorobenzene), ug/l	10U	10U	10U
1,4-Dichlorobenzene (p-Dichlorobenzene), ug/l	10U	10U	10U
3,3'-Dichlorobenzidine, ug/l	20U	20U	20U
2,4-Dichlorophenol, ug/l	10U	10U	10U
2,6-Dichlorophenol, ug/l	10U	10U	10U
Diethylphthalate, ug/l	10U	10U	10U
p-(Dimethylamino)azobenzene, ug/l	10U	10U	10U

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07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
7,12-Dimethylbenz(a)anthracene, ug/l	10U	10U	10U
3,3'-Dimethylbenzidine, ug/l	20U	20U	20U
alpha,alpha-Dimethylphenethylamine, ug/l	2000U	2000U	2000U
2,4-Dimethylphenol, ug/l	10U	10U	10U
Dimethylphthalate, ug/l	10U	10U	10U
m-Dinitrobenzene, ug/l	10U	10U	10U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/l	50U	50U	50U
2,4-Dinitrophenol, ug/l	50U	50U	50U
2,4-Dinitrotoluene, ug/l	10U	10U	10U
2,6-Dinitrotoluene, ug/l	10U	10U	10U
Dinoseb (2-sec-Butyl-4,6-dinitrophenol), ug/l	10U	10U	10U
Di-n-octylphthalate, ug/l	10U	10U	10U
1,4-Dioxane, ug/l	12	12	10
Ethyl methanesulfonate, ug/l	10U	10U	10U
Fluoranthene, ug/l	10U	10U	10U
Fluorene, ug/l	10U	10U	10U
Hexachlorobenzene, ug/l	10U	10U	10U
Hexachlorobutadiene, ug/l	10U	10U	10U
Hexachlorocyclopentadiene, ug/l	10U	10U	10U
Hexachloroethane, ug/l	10U	10U	10U
Hexachlorophene, ug/l	5000U	5000U	5000U

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07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Hexachloropropene, ug/l	10U	10U	10U
Indeno(1,2,3-cd)pyrene, ug/l	10U	10U	10U
Isophorone, ug/l	10U	10U	10U
Isosafrole, ug/l	10U	10U	10U
Methapyrilene, ug/l	2000U	2000U	2000U
3-Methylcholanthrene, ug/l	10U	10U	10U
Methyl methanesulfonate, ug/l	10U	10U	10U
2-Methylnaphthalene, ug/l	10U	10U	10U
Naphthalene, ug/l	10U	10U	10U
1,4-Naphthoquinone, ug/l	10U	10U	10U
1-Naphthylamine, ug/l	10U	10U	10U
2-Naphthylamine, ug/l	10U	10U	10U
2-Nitroaniline (o-Nitroaniline), ug/l	50U	50U	50U
3-Nitroaniline (m-Nitroaniline), ug/l	50U	50U	50U
4-Nitroaniline (p-Nitroaniline), ug/l	50U	50U	50U
Nitrobenzene, ug/l	10U	10U	10U
2-Nitrophenol (o-Nitrophenol), ug/l	10U	10U	10U
4-Nitrophenol (p-Nitrophenol), ug/l	50U	50U	50U
4-Nitroquinoline-1-oxide, ug/l	20U	20U	20U
N-Nitrosodi-n-butylamine, ug/l	10U	10U	10U
N-Nitrosodiethylamine, ug/l	10U	10U	10U

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07599-1	SW-F3	11-02-00	SAV08
07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
N-Nitrosodimethylamine, ug/l	10U	10U	10U
N-Nitrosodiphenylamine, ug/l	10U	10U	10U
n-Nitrosodi-n-propylamine, ug/l	10U	10U	10U
N-Nitrosomethylethylamine, ug/l	10U	10U	10U
N-Nitrosomorpholine, ug/l	10U	10U	10U
N-Nitrosopiperidine, ug/l	10U	10U	10U
N-Nitrosopyrrolidine, ug/l	10U	10U	10U
5-Nitro-o-toluidine, ug/l	10U	10U	10U
Pentachlorobenzene, ug/l	10U	10U	10U
Pentachloronitrobenzene, ug/l	10U	10U	10U
Pentachlorophenol, ug/l	50U	50U	50U
Phenacetin, ug/l	10U	10U	10U
Phenanthrene, ug/l	10U	10U	10U
Phenol, ug/l	10U	10U	10U
1,4-Phenylenediamine (p-Phenylenediamine), ug/l	2000U	2000U	2000U
2-Picoline, ug/l	10U	10U	10U
Pronamide, ug/l	10U	10U	10U
Pyrene, ug/l	10U	10U	10U
Pyridine, ug/l	50U	50U	50U
Safrole, ug/l	10U	10U	10U
1,2,4,5-Tetrachlorobenzene, ug/l	10U	10U	10U

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07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
2,3,4,6-Tetrachlorophenol, ug/l	10U	10U	10U
o-Toluidine, ug/l	10U	10U	10U
1,2,4-Trichlorobenzene, ug/l	10U	10U	10U
2,4,5-Trichlorophenol, ug/l	10U	10U	10U
2,4,6-Trichlorophenol, ug/l	10U	10U	10U
O,O,O-Triethyl phosphorothioate, ug/l	10U	10U	10U
1,3,5-Trinitrobenzene, ug/l	10U	10U	10U
Disulfoton, ug/l	10U	10U	10U
Methyl parathion, ug/l	10U	10U	10U
Ethyl parathion (Parathion), ug/l	10U	10U	10U
Famphur, ug/l	10U	10U	10U
Phorate, ug/l	10U	10U	10U
Thionazin (O,O-Diethyl-O-pyrazinyl phosphorothioate), ug/l	10U	10U	10U
Dimethoate, ug/l	10U	10U	10U
Sulfotepp (Tetraethyl dithiopyrophosphate), ug/l	10U	10U	10U
Alpha Pinene, ug/l	100U	100U	100U
Beta Pinene, ug/l	100U	100U	100U
Biphenyl, ug/l	10U	10U	10U
Biphenyl Ether, ug/l	10U	10U	10U
Surrogate - Phenol-d5	90 %	99 %	110 %

SEVERN TRENT SERVICES
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Sampled By: Client
Code: 14130124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07599-1	SW-F3	11-02-00	SAV08
07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Surrogate - 2-Fluorophenol	86 %	94 %	110 %
Surrogate - 2,4,6-Tribromophenol	110 %	97 %	110 %
Surrogate - Nitrobenzene-d5	92 %	100 %	108 %
Surrogate - 2-Fluorobiphenyl	88 %	92 %	108 %
Surrogate - Terphenyl-d14	124 %	102 %	100 %
Dilution Factor	1	1	1
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.09.00	11.09.00	11.09.00
Batch ID	1106B	1106B	1106B

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Ms. Sally Almond
ARCADIS Geraghty & Miller, Inc.
97 Midway Lane
Oak Ridge, TN 37830

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07599-1	SW-F3	11-02-00	SAV08
07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Appendix IX Chlorinated Pesticides (8081)			
Aldrin, ug/l	0.050U	0.050U	0.050U
Isodrin, ug/l	0.050U	0.050U	0.050U
Chlordane (technical), ug/l	0.50U	0.50U	0.50U
Chlorobenzilate, ug/l	0.50U	0.50U	0.50U
4,4'-DDD, ug/l	0.10U	0.10U	0.10U
4,4'-DDE, ug/l	0.10U	0.10U	0.10U
4,4'-DDT, ug/l	0.10U	0.10U	0.10U
Dieldrin, ug/l	0.10U	0.10U	0.10U
Endosulfan I, ug/l	0.050U	0.050U	0.050U
Endosulfan II, ug/l	0.10U	0.10U	0.10U
Endosulfan sulfate, ug/l	0.10U	0.10U	0.10U
Endrin, ug/l	0.10U	0.10U	0.10U
Endrin aldehyde, ug/l	0.10U	0.10U	0.10U
Heptachlor, ug/l	0.050U	0.050U	0.050U
Heptachlor epoxide, ug/l	0.050U	0.050U	0.050U
alpha-BHC, ug/l	0.050U	0.050U	0.050U
beta-BHC, ug/l	0.050U	0.050U	0.050U
gamma-BHC (Lindane), ug/l	0.050U	0.050U	0.050U
delta-BHC, ug/l	0.050U	0.050U	0.050U
Methoxychlor, ug/l	0.50U	0.50U	0.50U

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07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Toxaphene, ug/l	5.0U	5.0U	5.0U
Kepone, ug/l	1.0U	1.0U	1.0U
Surrogate - 2,4,5,6-Tetrachloro-m-xylene (TCMX)	70 %	75 %	80 %
Surrogate - DCB	36 %	32 %	19 %
Dilution Factor	1	1	1
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.08.00	11.08.00	11.08.00
Batch ID	1106N	1106N	1106N
Herbicides (8151)			
2,4-D, ug/l	0.50U	0.50U	0.50U
2,4,5-T, ug/l	0.50U	0.50U	0.50U
2,4,5-TP (Silvex), ug/l	0.50U	0.50U	0.50U
Surrogate-2,4-Dichlorophenyl acetic acid (DCAA)	72 %	62 %	60 %
Dilution Factor	1	1	1
Prep Date	11.07.00	11.07.00	11.07.00
Analysis Date	11.09.00	11.09.00	11.09.00
Batch ID	1107N	1107N	1107N

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07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Diesel Range Organics (8015)			
Hydrocarbons as DRO, mg/l	0.14	0.10U	0.11
Surrogate - o-Terphenyl	70 %	75 %	75 %
Dilution Factor	1	1	1
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.08.00	11.08.00	11.08.00
Batch ID	1106U	1106U	1106U

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07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Metals (6010)			
Antimony, ug/l	20U	20U	20U
Arsenic, ug/l	10U	10U	10U
Barium, ug/l	28	28	27
Beryllium, ug/l	4.0U	4.0U	4.0U
Cadmium, ug/l	5.0U	5.0U	5.0U
Chromium, ug/l	10U	10U	10U
Cobalt, ug/l	10U	10U	10U
Copper, ug/l	20U	20U	20U
Nickel, ug/l	40U	40U	40U
Lead, ug/l	5.0U	5.0U	5.0U
Selenium, ug/l	10U	10U	10U
Silver, ug/l	10U	10U	10U
Tin, ug/l	50U	50U	50U
Thallium, ug/l	10U	10U	10U
Vanadium, ug/l	10U	10U	10U
Zinc, ug/l	27	25	26
Dilution Factor	1	1	1
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1106J	1106J	1106J

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07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Mercury (7470)			
Mercury, ug/l	0.20U	0.20U	0.20U
Dilution Factor	1	1	1
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1106R	1106R	1106R
Sulfate as SO4 (300.0), mg/l	38	32	74
Dilution Factor	1	1	1
Prep Date	11.07.00	11.07.00	11.07.00
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1107B	1107B	1107B
Fluoride (340.2), mg/l	0.69	0.66	0.58
Dilution Factor	1	1	1
Prep Date	11.07.00	11.07.00	11.07.00
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1107A	1107A	1107A
Chloride (325.2), mg/l	65	89	400
Dilution Factor	5	5	20
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.06.00	11.06.00	11.06.00
Batch ID	1106D	1106D	1106D

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07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Ammonia (as N) (350.1), mg/l	0.53	0.090	0.79
Dilution Factor	1	1	1
Prep Date	11.08.00	11.08.00	11.08.00
Analysis Date	11.08.00	11.08.00	11.08.00
Batch ID	1108A	1108A	1108A
Cyanide, Total (9012), mg/l	0.010U	0.010U	0.010U
Dilution Factor	1	1	1
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1106S	1106S	1106S
Total Dissolved Solids (160.1), mg/l	360	400	1100
Dilution Factor	1	1	1
Prep Date	11.07.00	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00	11.08.00
Batch ID	1107A	1107A	1107A
Sulfide (9030), mg/l	1.0U	1.0U	1.0U
Dilution Factor	1	1	1
Prep Date	11.07.00	11.07.00	11.07.00
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1107A	1107A	1107A

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07599-1	SW-F3	11-02-00	SAV08
07599-2	SW-F4	11-02-00	SAV08
07599-3	SW-F5	11-02-00	SAV08

PARAMETER	07599-1	07599-2	07599-3
Nitrate + Nitrite-N (353.2), mg/l	0.050U	0.050U	0.050U
Dilution Factor	1	1	1
Prep Date	11.09.00	11.09.00	11.09.00
Analysis Date	11.09.00	11.09.00	11.09.00
Batch ID	1109B	1109B	1109B
Formaldehyde (8315), ug/l	50U	50U	50U
Dilution Factor	1	1	1
Prep Date	11.05.00	11.05.00	11.05.00
Analysis Date	11.06.00	11.06.00	11.06.00
Batch ID	1105F	1105F	1105F
Total Organic Carbon (9060), mg/l	6.2	5.7	5.8
Dilution Factor	1	1	1
Prep Date	11.06.00	11.06.00	11.06.00
Analysis Date	11.06.00	11.06.00	11.06.00
Batch ID	1106A	1106A	1106A
NIST Library Search (BN/A-TIC)	*	*	*

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-1	MWD-F3	11-03-00/12:45	SAV09
07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Acids and Base Neutrals (8270-APP9)		
Acenaphthene, ug/l	10U	10U
Acenaphthylene, ug/l	10U	10U
Acetophenone, ug/l	10U	10U
2-Acetylaminofluorene, ug/l	10U	10U
4-Aminobiphenyl, ug/l	10U	10U
Aniline, ug/l	20U	20U
Anthracene, ug/l	10U	10U
Aramite, Total, ug/l	10U	10U
Benzo(a)anthracene, ug/l	10U	10U
Benzo(b)fluoranthene, ug/l	10U	10U
Benzo(k)fluoranthene, ug/l	10U	10U
Benzo(g,h,i)perylene, ug/l	10U	10U
Benzo(a)pyrene, ug/l	10U	10U
Benzyl alcohol, ug/l	10U	10U
bis(2-Chloroethoxy)methane, ug/l	10U	10U
bis(2-Chloroethyl)ether, ug/l	10U	10U
2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/l	10U	10U
bis(2-Ethylhexyl)phthalate, ug/l	10U	10U
4-Bromophenylphenyl ether, ug/l	10U	10U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-1	MWD-F3	11-03-00/12:45	SAV09
07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Butylbenzylphthalate, ug/l	10U	10U
4-Chloroaniline (p-Chloroaniline), ug/l	20U	20U
4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/l	10U	10U
2-Chloronaphthalene, ug/l	10U	10U
2-Chlorophenol, ug/l	10U	10U
4-Chlorophenylphenyl ether, ug/l	10U	10U
Chrysene, ug/l	10U	10U
Cresol, m & p, ug/l	10U	10U
Cresol (ortho), ug/l	10U	10U
Diallate, Total, ug/l	10U	10U
Dibenzo(a,h)anthracene, ug/l	10U	10U
Dibenzofuran, ug/l	10U	10U
Di-n-butylphthalate, ug/l	10U	10U
1,2-Dichlorobenzene (o-Dichlorobenzene), ug/l	10U	10U
1,3-Dichlorobenzene (m-Dichlorobenzene), ug/l	10U	10U
1,4-Dichlorobenzene (p-Dichlorobenzene), ug/l	10U	10U
3,3'-Dichlorobenzidine, ug/l	20U	20U

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
2,4-Dichlorophenol, ug/l	10U	10U
2,6-Dichlorophenol, ug/l	10U	10U
Diethylphthalate, ug/l	10U	10U
p-(Dimethylamino)azobenzene, ug/l	10U	10U
7,12-Dimethylbenz(a)anthracene, ug/l	10U	10U
3,3'-Dimethylbenzidine, ug/l	20U	20U
alpha,alpha-Dimethylphenethylamine, ug/l	2000U	2000U
2,4-Dimethylphenol, ug/l	10U	10U
Dimethylphthalate, ug/l	10U	10U
m-Dinitrobenzene , ug/l	10U	10U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/l	50U	50U
2,4-Dinitrophenol, ug/l	50U	50U
2,4-Dinitrotoluene, ug/l	10U	10U
2,6-Dinitrotoluene, ug/l	10U	10U
Dinoseb (2-sec-Butyl-4,6-dinitrophenol), ug/l	10U	10U
Di-n-octylphthalate, ug/l	10U	10U
1,4-Dioxane, ug/l	10U	10U

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Ethyl methanesulfonate, ug/l	10U	10U
Fluoranthene, ug/l	10U	10U
Fluorene, ug/l	10U	10U
Hexachlorobenzene, ug/l	10U	10U
Hexachlorobutadiene, ug/l	10U	10U
Hexachlorocyclopentadiene, ug/l	10U	10U
Hexachloroethane, ug/l	10U	10U
Hexachlorophene, ug/l	5000U	5000U
Hexachloropropene, ug/l	10U	10U
Indeno(1,2,3-cd)pyrene, ug/l	10U	10U
Isophorone, ug/l	10U	10U
Isosafrole, ug/l	10U	10U
Methapyrilene, ug/l	2000U	2000U
3-Methylcholanthrene, ug/l	10U	10U
Methyl methanesulfonate, ug/l	10U	10U
2-Methylnaphthalene, ug/l	10U	10U
Naphthalene, ug/l	10U	10U
1,4-Naphthoquinone, ug/l	10U	10U
1-Naphthylamine, ug/l	10U	10U
2-Naphthylamine, ug/l	10U	10U
2-Nitroaniline (o-Nitroaniline), ug/l	50U	50U

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
3-Nitroaniline (m-Nitroaniline), ug/l	50U	50U
4-Nitroaniline (p-Nitroaniline), ug/l	50U	50U
Nitrobenzene, ug/l	10U	10U
2-Nitrophenol (o-Nitrophenol), ug/l	10U	10U
4-Nitrophenol (p-Nitrophenol), ug/l	50U	50U
4-Nitroquinoline-1-oxide, ug/l	20U	20U
N-Nitrosodi-n-butylamine, ug/l	10U	10U
N-Nitrosodiethylamine, ug/l	10U	10U
N-Nitrosodimethylamine, ug/l	10U	10U
N-Nitrosodiphenylamine, ug/l	10U	10U
n-Nitrosodi-n-propylamine, ug/l	10U	10U
N-Nitrosomethylethylamine, ug/l	10U	10U
N-Nitrosomorpholine, ug/l	10U	10U
N-Nitrosopiperidine, ug/l	10U	10U
N-Nitrosopyrrolidine, ug/l	10U	10U
5-Nitro-o-toluidine, ug/l	10U	10U
Pentachlorobenzene, ug/l	10U	10U
Pentachloronitrobenzene, ug/l	10U	10U
Pentachlorophenol, ug/l	50U	50U
Phenacetin, ug/l	10U	10U

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Phenanthrene, ug/l	10U	10U
Phenol, ug/l	10U	10U
1,4-Phenylenediamine (p-Phenylenediamine), ug/l	2000U	2000U
2-Picoline, ug/l	10U	10U
Pronamide, ug/l	10U	10U
Pyrene, ug/l	10U	10U
Pyridine, ug/l	50U	50U
Safrole, ug/l	10U	10U
1,2,4,5-Tetrachlorobenzene, ug/l	10U	10U
2,3,4,6-Tetrachlorophenol, ug/l	10U	10U
o-Toluidine, ug/l	10U	10U
1,2,4-Trichlorobenzene, ug/l	10U	10U
2,4,5-Trichlorophenol, ug/l	10U	10U
2,4,6-Trichlorophenol, ug/l	10U	10U
O,O,O-Triethyl phosphorothioate, ug/l	10U	10U
1,3,5-Trinitrobenzene, ug/l	10U	10U
Disulfoton, ug/l	10U	10U
Methyl parathion, ug/l	10U	10U
Ethyl parathion (Parathion), ug/l	10U	10U
Famphur, ug/l	10U	10U

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Ms. Sally Almond
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97 Midway Lane
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Project: TN000545.0007.5/Savannah
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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-1	MWD-F3	11-03-00/12:45	SAV09
07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Phorate, ug/l	10U	10U
Thionazin (O,O-Diethyl-O-pyrazinyl phosphorothioate), ug/l	10U	10U
Dimethoate, ug/l	10U	10U
Sulfotepp (Tetraethyl dithiopyrophosphate), ug/l	10U	10U
Alpha Pinene, ug/l	100U	100U
Beta Pinene, ug/l	100U	100U
Biphenyl, ug/l	10U	10U
Biphenyl Ether, ug/l	10U	10U
Surrogate - Phenol-d5	110 %	110 %
Surrogate - 2-Fluorophenol	120 %	110 %
Surrogate - 2,4,6-Tribromophenol	99 %	110 %
Surrogate - Nitrobenzene-d5	110 %	118 %
Surrogate - 2-Fluorobiphenyl	104 %	116 %
Surrogate - Terphenyl-d14	108 %	114 %
Dilution Factor	1	1
Prep Date	11.09.00	11.06.00
Analysis Date	11.14.00	11.09.00
Batch ID	1109C	1106B

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07601-1	MWD-F3	11-03-00/12:45	SAV09
07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Appendix IX Chlorinated Pesticides (8081)		
Aldrin, ug/l	0.050U	0.050U
Isodrin, ug/l	0.050U	0.050U
Chlordane (technical), ug/l	0.50U	0.50U
Chlorobenzilate, ug/l	0.50U	0.50U
4,4'-DDD, ug/l	0.10U	0.10U
4,4'-DDE, ug/l	0.10U	0.10U
4,4'-DDT, ug/l	0.10U	0.10U
Dieldrin, ug/l	0.10U	0.10U
Endosulfan I, ug/l	0.050U	0.050U
Endosulfan II, ug/l	0.10U	0.10U
Endosulfan sulfate, ug/l	0.10U	0.10U
Endrin, ug/l	0.10U	0.10U
Endrin aldehyde, ug/l	0.10U	0.10U
Heptachlor, ug/l	0.050U	0.050U
Heptachlor epoxide, ug/l	0.050U	0.050U
alpha-BHC, ug/l	0.050U	0.050U
beta-BHC, ug/l	0.050U	0.050U
gamma-BHC (Lindane), ug/l	0.050U	0.050U
delta-BHC, ug/l	0.050U	0.050U
Methoxychlor, ug/l	0.50U	0.50U

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Toxaphene, ug/l	5.0U	5.0U
Kepone, ug/l	1.0U	1.0U
Surrogate - 2,4,5,6-Tetrachloro-m-xylene (TCMX)	75 %	70 %
Surrogate - DCB	36 %	47 %
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.10.00	11.10.00
Batch ID	1107S	1107S
Herbicides (8151)		
2,4-D, ug/l	0.50U	0.50U
2,4,5-T, ug/l	0.50U	0.50U
2,4,5-TP (Silvex), ug/l	0.50U	0.50U
Surrogate-2,4-Dichloropheny l acetic acid (DCAA)	60 %	65 %
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.09.00	11.09.00
Batch ID	1107N	1107N

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Diesel Range Organics (8015)		
Hydrocarbons as DRO, mg/l	0.10U	0.10U
Surrogate - o-Terphenyl	75 %	70 %
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.09.00	11.09.00
Batch ID	1107U	1107U

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Metals (6010)		
Antimony, ug/l	20U	20U
Arsenic, ug/l	10U	10U
Barium, ug/l	13	28
Beryllium, ug/l	4.0U	4.0U
Cadmium, ug/l	5.0U	5.0U
Chromium, ug/l	10U	10U
Cobalt, ug/l	10U	10U
Copper, ug/l	20U	20U
Nickel, ug/l	40U	40U
Lead, ug/l	5.0U	5.0U
Selenium, ug/l	10U	10U
Silver, ug/l	10U	10U
Tin, ug/l	50U	50U
Thallium, ug/l	10U	10U
Vanadium, ug/l	10U	10U
Zinc, ug/l	29	23
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00
Batch ID	1107I	1107I

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Mercury (7470)		
Mercury, ug/l	0.20U	0.20U
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00
Batch ID	1107R	1107R
Sulfate as SO4 (300.0), mg/l	57	35
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.07.00	11.08.00
Batch ID	1107B	1107B
Fluoride (340.2), mg/l	0.75	0.61
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.07.00	11.07.00
Batch ID	1107B	1107B
Chloride (325.2), mg/l	5.3	39
Dilution Factor	1	1
Prep Date	11.12.00	11.12.00
Analysis Date	11.12.00	11.12.00
Batch ID	1112C	1112C

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Ammonia (as N) (350.1), mg/l	0.18	0.13
Dilution Factor	1	1
Prep Date	11.08.00	11.08.00
Analysis Date	11.08.00	11.08.00
Batch ID	1108A	1108A
Cyanide, Total (9012), mg/l	0.010U	0.010U
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00
Batch ID	1107S	1107S
Total Dissolved Solids (160.1), mg/l	300	310
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00
Batch ID	1107A	1107A
Sulfide (9030), mg/l	1.0U	1.0U
Dilution Factor	1	1
Prep Date	11.08.00	11.08.00
Analysis Date	11.09.00	11.09.00
Batch ID	1108A	1108A

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Nitrate + Nitrite-N (353.2), mg/l	0.050U	0.050U
Dilution Factor	1	1
Prep Date	11.09.00	11.09.00
Analysis Date	11.09.00	11.09.00
Batch ID	1109D	1109B
Formaldehyde (8315), ug/l	50U	50U
Dilution Factor	1	1
Prep Date	11.05.00	11.05.00
Analysis Date	11.06.00	11.06.00
Batch ID	1105F	1105F
Total Organic Carbon (9060), mg/l	1.5	5.5
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.07.00	11.07.00
Batch ID	1107A	1107A
Gasoline Range Organics (8015M)		
Hydrocarbons as GRO, mg/l	0.050U	0.050U
Surrogate - a,a,a-Trifluorotoluene	83 %	80 %
Dilution Factor	1	1
Analysis Date	11.07.00	11.07.00
Batch ID	1D1107	1D1107

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07601-1	MWD-F3	11-03-00/12:45	SAV09
07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Volatile Organic Compounds (8260)		
Acetone, ug/l	25U	25U
Acetonitrile, ug/l	40U	40U
Acrolein (Propenal), ug/l	20U	20U
Acrylonitrile, ug/l	20U	20U
Benzene, ug/l	1.0U	1.0U
Bromodichloromethane, ug/l	1.0U	1.0U
Bromoform, ug/l	1.0U	1.0U
Bromomethane (Methyl Bromide), ug/l	1.0U	1.0U
2-Butanone (Methyl ethyl ketone), ug/l	10U	10U
Carbon disulfide, ug/l	1.0U	1.0U
Carbon tetrachloride, ug/l	1.0U	1.0U
Chlorobenzene, ug/l	1.0U	1.0U
Chloroethane, ug/l	1.0U	1.0U
Chloroform, ug/l	1.0U	1.0U
Chloromethane (Methyl Chloride), ug/l	1.0U	1.0U
Chloroprene, ug/l	1.0U	1.0U
3-Chloropropene (Allylchloride), ug/l	1.0U	1.0U

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07601-1	MWD-F3	11-03-00/12:45	SAV09
07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Dibromochloromethane, ug/l	1.0U	1.0U
1,2-Dibromo-3-chloropropane, ug/l	1.0U	1.0U
1,2-Dibromoethane (EDB), ug/l	1.0U	1.0U
Dibromomethane (Methylene bromide), ug/l	1.0U	1.0U
trans-1,4-Dichloro-2-butene, ug/l	2.0U	2.0U
Dichlorodifluoromethane, ug/l	1.0U	1.0U
1,1-Dichloroethane, ug/l	1.0U	1.0U
1,2-Dichloroethane, ug/l	1.0U	1.0U
1,1-Dichloroethene, ug/l	1.0U	1.0U
trans-1,2-Dichloroethene, ug/l	1.0U	1.0U
1,2-Dichloropropane, ug/l	1.0U	1.0U
cis-1,3-Dichloropropene, ug/l	1.0U	1.0U
trans-1,3-Dichloropropene, ug/l	1.0U	1.0U
Ethylbenzene, ug/l	1.0U	1.0U
Ethyl methacrylate, ug/l	1.0U	1.0U
2-Hexanone, ug/l	10U	10U
Iodomethane (Methyl iodide), ug/l	1.0U	1.0U
Isobutanol (Isobutyl alcohol), ug/l	40U	40U
Methacrylonitrile, ug/l	20U	20U
Methylene chloride (Dichloromethane), ug/l	5.0U	5.0U

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
Methyl methacrylate, ug/l	1.0U	1.0U
4-Methyl-2-pentanone (MIBK), ug/l	10U	10U
Pentachloroethane, ug/l	5.0U	5.0U
Propionitrile, ug/l	20U	20U
Styrene, ug/l	1.0U	1.0U
1,1,1,2-Tetrachloroethane, ug/l	1.0U	1.0U
1,1,2,2-Tetrachloroethane, ug/l	1.0U	1.0U
Tetrachloroethene, ug/l	1.0U	1.0U
Toluene, ug/l	1.0U	1.0U
1,1,1-Trichloroethane, ug/l	1.0U	1.0U
1,1,2-Trichloroethane, ug/l	1.0U	1.0U
Trichloroethene, ug/l	1.0U	1.0U
Trichlorofluoromethane, ug/l	1.0U	1.0U
1,2,3-Trichloropropane, ug/l	1.0U	1.0U
Vinyl acetate, ug/l	2.0U	2.0U
Vinyl chloride, ug/l	1.0U	1.0U
Xylenes, Total, ug/l	2.0U	2.0U
Surrogate - Toluene-d8	98 %	104 %
Surrogate - 4-Bromofluorobenzene	92 %	96 %
Surrogate - Dibromofluoromethane	84 %	86 %
Dilution Factor	1	1
Analysis Date	11.09.00	11.09.00
Batch ID	2A1108	2A1108
NIST Library Search (VOC-TIC)	*	*

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07601-2	SW-F2	11-03-00/12:45	SAV09

PARAMETER	07601-1	07601-2
NIST Library Search (BN/A-TIC)	*	*

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07601-4	SW-F4	11-02-00/15:35	SAV09
07601-5	SW-F5	11-02-00/13:10	SAV09

PARAMETER	07601-3	07601-4	07601-5
Gasoline Range Organics (8015M)			
Hydrocarbons as GRO, mg/l	0.050U	0.050U	0.050U
Surrogate - a,a,a-Trifluorotoluene	80 %	80 %	80 %
Dilution Factor	1	1	1
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1D1107	1D1107	1D1107

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07601-4	SW-F4	11-02-00/15:35	SAV09
07601-5	SW-F5	11-02-00/13:10	SAV09

PARAMETER	07601-3	07601-4	07601-5
Volatile Organic Compounds (8260)			
Acetone, ug/l	25U	25U	25U
Acetonitrile, ug/l	40U	40U	40U
Acrolein (Propenal), ug/l	20U	20U	20U
Acrylonitrile, ug/l	20U	20U	20U
Benzene, ug/l	1.0U	1.0U	1.0U
Bromodichloromethane, ug/l	1.0U	1.0U	1.0U
Bromoform, ug/l	1.0U	1.0U	1.0U
Bromomethane (Methyl Bromide), ug/l	1.0U	1.0U	1.0U
2-Butanone (Methyl ethyl ketone), ug/l	10U	10U	10U
Carbon disulfide, ug/l	1.0U	1.0U	1.0U
Carbon tetrachloride, ug/l	1.0U	1.0U	1.0U
Chlorobenzene, ug/l	1.0U	1.0U	1.0U
Chloroethane, ug/l	1.0U	1.0U	1.0U
Chloroform, ug/l	1.0U	1.0U	1.0U
Chloromethane (Methyl Chloride), ug/l	1.0U	1.0U	1.0U
Chloroprene, ug/l	1.0U	1.0U	1.0U
3-Chloropropene (Allylchloride), ug/l	1.0U	1.0U	1.0U

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LOG NO: S0-07601
Received: 03 NOV 00
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Revised: 29 NOV 00

Ms. Sally Almond
ARCADIS Geraghty & Miller, Inc.
97 Midway Lane
Oak Ridge, TN 37830

Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-3	SW-F3	11-02-00/12:45	SAV09
07601-4	SW-F4	11-02-00/15:35	SAV09
07601-5	SW-F5	11-02-00/13:10	SAV09

PARAMETER	07601-3	07601-4	07601-5
Dibromochloromethane, ug/l	1.0U	1.0U	1.0U
1,2-Dibromo-3-chloropropane, ug/l	1.0U	1.0U	1.0U
1,2-Dibromoethane (EDB), ug/l	1.0U	1.0U	1.0U
Dibromomethane (Methylene bromide), ug/l	1.0U	1.0U	1.0U
trans-1,4-Dichloro-2-butene, ug/l	2.0U	2.0U	2.0U
Dichlorodifluoromethane, ug/l	1.0U	1.0U	1.0U
1,1-Dichloroethane, ug/l	1.0U	1.0U	1.0U
1,2-Dichloroethane, ug/l	1.0U	1.0U	1.0U
1,1-Dichloroethene, ug/l	1.0U	1.0U	1.0U
trans-1,2-Dichloroethene, ug/l	1.0U	1.0U	1.0U
1,2-Dichloropropane, ug/l	1.0U	1.0U	1.0U
cis-1,3-Dichloropropene, ug/l	1.0U	1.0U	1.0U
trans-1,3-Dichloropropene, ug/l	1.0U	1.0U	1.0U
Ethylbenzene, ug/l	1.0U	1.0U	1.0U
Ethyl methacrylate, ug/l	1.0U	1.0U	1.0U
2-Hexanone, ug/l	10U	10U	10U
Iodomethane (Methyl iodide), ug/l	1.0U	1.0U	1.0U
Isobutanol (Isobutyl alcohol), ug/l	40U	40U	40U
Methacrylonitrile, ug/l	20U	20U	20U
Methylene chloride (Dichloromethane), ug/l	5.0U	5.0U	5.0U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-3	SW-F3	11-02-00/12:45	SAV09
07601-4	SW-F4	11-02-00/15:35	SAV09
07601-5	SW-F5	11-02-00/13:10	SAV09

PARAMETER	07601-3	07601-4	07601-5
Methyl methacrylate, ug/l	1.0U	1.0U	1.0U
4-Methyl-2-pentanone (MIBK), ug/l	10U	10U	10U
Pentachloroethane, ug/l	5.0U	5.0U	5.0U
Propionitrile, ug/l	20U	20U	20U
Styrene, ug/l	1.0U	1.0U	1.0U
1,1,1,2-Tetrachloroethane, ug/l	1.0U	1.0U	1.0U
1,1,2,2-Tetrachloroethane, ug/l	1.0U	1.0U	1.0U
Tetrachloroethene, ug/l	1.0U	1.0U	1.0U
Toluene, ug/l	1.0U	1.0U	1.0U
1,1,1-Trichloroethane, ug/l	1.0U	1.0U	1.0U
1,1,2-Trichloroethane, ug/l	1.0U	1.0U	1.0U
Trichloroethene, ug/l	1.0U	1.0U	1.0U
Trichlorofluoromethane, ug/l	1.0U	1.0U	1.0U
1,2,3-Trichloropropane, ug/l	1.0U	1.0U	1.0U
Vinyl acetate, ug/l	2.0U	2.0U	2.0U
Vinyl chloride, ug/l	1.0U	1.0U	1.0U
Xylenes, Total, ug/l	2.0U	2.0U	2.0U
Surrogate - Toluene-d8	98 %	102 %	102 %
Surrogate - 4-Bromofluorobenzene	92 %	94 %	94 %
Surrogate - Dibromofluoromethane	84 %	82 %	78 %
Dilution Factor	1	1	1
Analysis Date	11.09.00	11.09.00	11.09.00
Batch ID	2A1108	2A1108	2A1108

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-3	SW-F3	11-02-00/12:45	SAV09
07601-4	SW-F4	11-02-00/15:35	SAV09
07601-5	SW-F5	11-02-00/13:10	SAV09

PARAMETER	07601-3	07601-4	07601-5
NIST Library Search (VOC-TIC)	*	*	*

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-6	Trip Blank	11-03-00	SAV09

PARAMETER	07601-6
Volatile Organic Compounds (8260)	
Acetone, ug/l	25U
Acetonitrile, ug/l	40U
Acrolein (Propenal), ug/l	20U
Acrylonitrile, ug/l	20U
Benzene, ug/l	1.0U
Bromodichloromethane, ug/l	1.0U
Bromoform, ug/l	1.0U
Bromomethane (Methyl Bromide), ug/l	1.0U
2-Butanone (Methyl ethyl ketone), ug/l	10U
Carbon disulfide, ug/l	1.0U
Carbon tetrachloride, ug/l	1.0U
Chlorobenzene, ug/l	1.0U
Chloroethane, ug/l	1.0U
Chloroform, ug/l	1.0U
Chloromethane (Methyl Chloride), ug/l	1.0U
Chloroprene, ug/l	1.0U
3-Chloropropene (Allylchloride), ug/l	1.0U
Dibromochloromethane, ug/l	1.0U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601-6	Trip Blank	11-03-00	SAV09

PARAMETER	07601-6
1,2-Dibromo-3-chloropropane, ug/l	1.0U
1,2-Dibromoethane (EDB), ug/l	1.0U
Dibromomethane (Methylene bromide), ug/l	1.0U
trans-1,4-Dichloro-2-butene, ug/l	2.0U
Dichlorodifluoromethane, ug/l	1.0U
1,1-Dichloroethane, ug/l	1.0U
1,2-Dichloroethane, ug/l	1.0U
1,1-Dichloroethene, ug/l	1.0U
trans-1,2-Dichloroethene, ug/l	1.0U
1,2-Dichloropropane, ug/l	1.0U
cis-1,3-Dichloropropene, ug/l	1.0U
trans-1,3-Dichloropropene, ug/l	1.0U
Ethylbenzene, ug/l	1.0U
Ethyl methacrylate, ug/l	1.0U
2-Hexanone, ug/l	10U
Iodomethane (Methyl iodide), ug/l	1.0U
Isobutanol (Isobutyl alcohol), ug/l	40U
Methacrylonitrile, ug/l	20U
Methylene chloride (Dichloromethane), ug/l	5.0U
Methyl methacrylate, ug/l	1.0U
4-Methyl-2-pentanone (MIBK), ug/l	10U

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07601-6	Trip Blank	11-03-00	SAV09

PARAMETER	07601-6
Pentachloroethane, ug/l	5.0U
Propionitrile, ug/l	20U
Styrene, ug/l	1.0U
1,1,1,2-Tetrachloroethane, ug/l	1.0U
1,1,2,2-Tetrachloroethane, ug/l	1.0U
Tetrachloroethene, ug/l	1.0U
Toluene, ug/l	1.0U
1,1,1-Trichloroethane, ug/l	1.0U
1,1,2-Trichloroethane, ug/l	1.0U
Trichloroethene, ug/l	1.0U
Trichlorofluoromethane, ug/l	1.0U
1,2,3-Trichloropropane, ug/l	1.0U
Vinyl acetate, ug/l	2.0U
Vinyl chloride, ug/l	1.0U
Xylenes, Total, ug/l	2.0U
Surrogate - Toluene-d8	108 %
Surrogate - 4-Bromofluorobenzene	94 %
Surrogate - Dibromofluoromethane	86 %
Dilution Factor	1
Analysis Date	11.09.00
Batch ID	2A1108
NIST Library Search (VOC-TIC)	*

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-1	SD-F2	11-03-00/13:40	SAV10
07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Acids and Base Neutrals (8270-APP9)					
Acenaphthene, ug/kg dw	520U	470U	460U	650U	4100U
Acenaphthylene, ug/kg dw	520U	470U	460U	650U	4100U
Acetophenone, ug/kg dw	520U	470U	460U	650U	4100U
2-Acetylaminofluorene, ug/kg dw	520U	470U	460U	650U	4100U
4-Aminobiphenyl, ug/kg dw	520U	470U	460U	650U	4100U
Aniline, ug/kg dw	520U	470U	460U	650U	4100U
Anthracene, ug/kg dw	520U	470U	460U	650U	4100U
Aramite, Total, ug/kg dw	520U	470U	460U	650U	4100U
Benzo(a)anthracene, ug/kg dw	520U	470U	460U	650U	4100U
Benzo(b)fluoranthene, ug/kg dw	520U	470U	460U	650U	4100U
Benzo(k)fluoranthene, ug/kg dw	520U	470U	460U	650U	4100U
Benzo(g,h,i)perylene, ug/kg dw	520U	470U	460U	650U	4100U
Benzo(a)pyrene, ug/kg dw	520U	470U	460U	800	4100U
Benzyl alcohol, ug/kg dw	520U	470U	460U	650U	4100U
bis(2-Chloroethoxy)methane, ug/kg dw	520U	470U	460U	650U	4100U
bis(2-Chloroethyl)ether, ug/kg dw	520U	470U	460U	650U	4100U
2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw	520U	470U	460U	650U	4100U

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Oak Ridge, TN 37830

Project: TN000545.0007.5/Savannah
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Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-1	SD-F2	11-03-00/13:40	SAV10
07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
bis(2-Ethylhexyl)phthalate, ug/kg dw	540	470U	460U	650U	4100U
4-Bromophenylphenyl ether, ug/kg dw	520U	470U	460U	650U	4100U
Butylbenzylphthalate, ug/kg dw	520U	470U	460U	650U	4100U
4-Chloroaniline (p-Chloroaniline), ug/kg dw	1000U	940U	930U	1300U	8200U
4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw	520U	470U	460U	650U	4100U
2-Chloronaphthalene, ug/kg dw	520U	470U	460U	650U	4100U
2-Chlorophenol, ug/kg dw	520U	470U	460U	650U	4100U
4-Chlorophenylphenyl ether, ug/kg dw	520U	470U	460U	650U	4100U
Chrysene, ug/kg dw	520U	470U	460U	650U	4100U
Cresol, m & p, ug/kg dw	520U	470U	460U	650U	4100U
Cresol (ortho), ug/kg dw	520U	470U	460U	650U	4100U
Diallate, Total, ug/kg dw	520U	470U	460U	650U	4100U
Dibenzo(a,h)anthracene, ug/kg dw	520U	470U	460U	650U	4100U

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07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Dibenzofuran, ug/kg dw	520U	470U	460U	650U	4100U
Di-n-butylphthalate, ug/kg dw	520U	470U	460U	650U	4100U
1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw	520U	470U	460U	650U	4100U
1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw	520U	470U	460U	650U	4100U
1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw	520U	470U	460U	650U	4100U
3,3'-Dichlorobenzidine, ug/kg dw	1000U	940U	930U	1300U	8200U
2,4-Dichlorophenol, ug/kg dw	520U	470U	460U	650U	4100U
2,6-Dichlorophenol, ug/kg dw	520U	470U	460U	650U	4100U
Diethylphthalate, ug/kg dw	520U	470U	460U	650U	4100U
p-(Dimethylamino)azobenzene , ug/kg dw	520U	470U	460U	650U	4100U
7,12-Dimethylbenz(a)anthracene, ug/kg dw	520U	470U	460U	650U	4100U

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07601A-1	SD-F2	11-03-00/13:40	SAV10
07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
3,3'-Dimethylbenzidine, ug/kg dw	2600U	2400U	2400U	3300U	21000U
alpha,alpha-Dimethylpheneth ylamine, ug/kg dw	100000U	96000U	94000U	130000U	840000U
2,4-Dimethylphenol, ug/kg dw	520U	470U	460U	650U	4100U
Dimethylphthalate, ug/kg dw	520U	470U	460U	650U	4100U
m-Dinitrobenzene , ug/kg dw	520U	470U	460U	650U	4100U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw	2600U	2400U	2400U	3300U	21000U
2,4-Dinitrophenol, ug/kg dw	2600U	2400U	2400U	3300U	21000U
2,4-Dinitrotoluene, ug/kg dw	520U	470U	460U	650U	4100U
2,6-Dinitrotoluene, ug/kg dw	520U	470U	460U	650U	4100U
Dinoseb (2-sec-Butyl-4,6-dinitrophen ol), ug/kg dw	520U	470U	460U	650U	4100U
Di-n-octylphthalate, ug/kg dw	520U	470U	460U	650U	4100U
1,4-Dioxane, ug/kg dw	520U	470U	460U	650U	4100U
Ethyl methanesulfonate, ug/kg dw	520U	470U	460U	650U	4100U
Fluoranthene, ug/kg dw	520U	470U	460U	650U	4100U

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07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Fluorene, ug/kg dw	520U	470U	460U	650U	4100U
Hexachlorobenzene, ug/kg dw	520U	470U	460U	650U	4100U
Hexachlorobutadiene, ug/kg dw	520U	470U	460U	650U	4100U
Hexachlorocyclopentadiene, ug/kg dw	520U	470U	460U	650U	4100U
Hexachloroethane, ug/kg dw	520U	470U	460U	650U	4100U
Hexachlorophene, ug/kg dw	260000U	240000U	240000U	330000U	2100000U
Hexachloropropene, ug/kg dw	520U	470U	460U	650U	4100U
Indeno(1,2,3-cd)pyrene, ug/kg dw	520U	470U	460U	650U	4100U
Isophorone, ug/kg dw	520U	470U	460U	650U	4100U
Isosafrole, ug/kg dw	520U	470U	460U	650U	4100U
Methapyrilene, ug/kg dw	100000U	96000U	94000U	130000U	840000U
3-Methylcholanthrene, ug/kg dw	520U	470U	460U	650U	4100U
Methyl methanesulfonate, ug/kg dw	520U	470U	460U	650U	4100U
2-Methylnaphthalene, ug/kg dw	520U	470U	460U	650U	4100U
Naphthalene, ug/kg dw	520U	470U	460U	650U	4100U
1,4-Naphthoquinone, ug/kg dw	520U	470U	460U	650U	4100U
1-Naphthylamine, ug/kg dw	520U	470U	460U	650U	4100U
2-Naphthylamine, ug/kg dw	520U	470U	460U	650U	4100U

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Reported: 21 NOV 00

Ms. Sally Almond
ARCADIS Geraghty & Miller, Inc.
97 Midway Lane
Oak Ridge, TN 37830

Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-1	SD-F2	11-03-00/13:40	SAV10
07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
2-Nitroaniline (o-Nitroaniline), ug/kg dw	2600U	2400U	2400U	3300U	21000U
3-Nitroaniline (m-Nitroaniline), ug/kg dw	2600U	2400U	2400U	3300U	21000U
4-Nitroaniline (p-Nitroaniline), ug/kg dw	2600U	2400U	2400U	3300U	21000U
Nitrobenzene, ug/kg dw	520U	470U	460U	650U	4100U
2-Nitrophenol (o-Nitrophenol), ug/kg dw	520U	470U	460U	650U	4100U
4-Nitrophenol (p-Nitrophenol), ug/kg dw	2600U	2400U	2400U	3300U	21000U
4-Nitroquinoline-1-oxide, ug/kg dw	5200U	4700U	4600U	6500U	41000U
N-Nitrosodi-n-butylamine, ug/kg dw	520U	470U	460U	650U	4100U
N-Nitrosodiethylamine, ug/kg dw	520U	470U	460U	650U	4100U
N-Nitrosodimethylamine, ug/kg dw	520U	470U	460U	650U	4100U
N-Nitrosodiphenylamine, ug/kg dw	520U	470U	460U	650U	4100U
n-Nitrosodi-n-propylamine, ug/kg dw	520U	470U	460U	650U	4100U

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07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
N-Nitrosomethylethylamine, ug/kg dw	520U	470U	460U	650U	4100U
N-Nitrosomorpholine, ug/kg dw	520U	470U	460U	650U	4100U
N-Nitrosopiperidine, ug/kg dw	520U	470U	460U	650U	4100U
N-Nitrosopyrrolidine, ug/kg dw	520U	470U	460U	650U	4100U
5-Nitro-o-toluidine, ug/kg dw	520U	470U	460U	650U	4100U
Pentachlorobenzene, ug/kg dw	520U	470U	460U	650U	4100U
Pentachloronitrobenzene, ug/kg dw	520U	470U	460U	650U	4100U
Pentachlorophenol, ug/kg dw	2600U	2400U	2400U	3300U	21000U
Phenacetin, ug/kg dw	520U	470U	460U	650U	4100U
Phenanthrene, ug/kg dw	520U	470U	460U	650U	4100U
Phenol, ug/kg dw	520U	470U	460U	650U	4100U
1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw	2600U	2400U	2400U	3300U	21000U
2-Picoline, ug/kg dw	520U	470U	460U	650U	4100U
Pronamide, ug/kg dw	520U	470U	460U	650U	4100U
Pyrene, ug/kg dw	520U	470U	460U	650U	4100U
Pyridine, ug/kg dw	520U	470U	460U	650U	4100U

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07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Safrole, ug/kg dw	520U	470U	460U	650U	4100U
1,2,4,5-Tetrachlorobenzene, ug/kg dw	520U	470U	460U	650U	4100U
2,3,4,6-Tetrachlorophenol, ug/kg dw	520U	470U	460U	650U	4100U
o-Toluidine, ug/kg dw	520U	470U	460U	650U	4100U
1,2,4-Trichlorobenzene, ug/kg dw	520U	470U	460U	650U	4100U
2,4,5-Trichlorophenol, ug/kg dw	520U	470U	460U	650U	4100U
2,4,6-Trichlorophenol, ug/kg dw	520U	470U	460U	650U	4100U
O,O,O-Triethyl phosphorothioate, ug/kg dw	520U	470U	460U	650U	4100U
1,3,5-Trinitrobenzene, ug/kg dw	520U	470U	460U	650U	4100U
Disulfoton, ug/kg dw	520U	470U	460U	650U	4100U
Methyl parathion, ug/kg dw	520U	470U	460U	650U	4100U
Ethyl parathion (Parathion), ug/kg dw	520U	470U	460U	650U	4100U
Famphur, ug/kg dw	520U	470U	460U	650U	4100U
Phorate, ug/kg dw	520U	470U	460U	650U	4100U
Thionazin (O,O-Diethyl-O-pyrazinyl phosphorothioate), ug/kg dw	520U	470U	460U	650U	4100U

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07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Dimethoate, ug/kg dw	520U	470U	460U	650U	4100U
Sulfotepp (Tetraethyl dithiopyrophosphate), ug/kg dw	520U	470U	460U	650U	4100U
Alpha Pinene, ug/kg dw	5200U	4700U	4600U	6500U	41000U
Beta Pinene, ug/kg dw	5200U	4700U	4600U	6500U	41000U
Biphenyl, ug/kg dw	1000U	940U	930U	1300U	8200U
Biphenyl Ether, ug/kg dw	1000U	940U	4000	1300U	8200U
Surrogate - Phenol-d5	58 %	54 %	66 %	35 %	*F33
Surrogate - 2-Fluorophenol	56 %	50 %	62 %	40 %	*F33
Surrogate - 2,4,6-Tribromophenol	42 %	44 %	55 %	43 %	*F33
Surrogate - Nitrobenzene-d5	50 %	42 %	56 %	39 %	*F33
Surrogate - 2-Fluorobiphenyl	58 %	54 %	70 %	48 %	*F33
Surrogate - Terphenyl-d14	54 %	54 %	61 %	52 %	*F33
Dilution Factor	1	1	1	1	10
Prep Date	11.07.00	11.07.00	11.07.00	11.07.00	11.07.00
Analysis Date	11.14.00	11.14.00	11.14.00	11.14.00	11.14.00
Batch ID	1107A	1107A	1107A	1107A	1107A

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07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Diesel Range Organics (8015)					
Hydrocarbons as DRO, mg/kg dw	10	17	580	9.2	30000
Surrogate - o-Terphenyl	33 %	29 %	53 %	38 %	0 %D
Dilution Factor	1	1	5	1	20
Prep Date	11.07.00	11.07.00	11.07.00	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00	11.09.00	11.08.00	11.09.00
Batch ID	1107V	1107V	1107V	1107V	1107V

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07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Metals (6010)					
Antimony, mg/kg dw	3.1UN	2.6UN	2.6UN	3.9UN	2.5UN
Arsenic, mg/kg dw	3.0	1.4	2.0	5.2	1.8
Barium, mg/kg dw	170	90	29	100	39
Beryllium, mg/kg dw	0.63	0.68	0.56U	0.89	0.5U
Cadmium, mg/kg dw	0.71U	0.65U	0.70U	0.98U	0.62U
Chromium, mg/kg dw	7.6	5.5	5.2	15	7.9
Cobalt, mg/kg dw	8.9	1.8	1.3	2.3	1.4
Copper, mg/kg dw	3.2	3.7	7.0	11	16
Nickel, mg/kg dw	6.2U	5.7U	5.6U	7.8U	8.4
Lead, mg/kg dw	14	12	43	37	37
Selenium, mg/kg dw	1.4U	1.3U	1.3U	2.0U	1.2U
Silver, mg/kg dw	1.4U	1.3U	1.3U	2.0U	1.3U
Tin, mg/kg dw	7.8U	7.1U	7.0U	9.8U	6.2U
Thallium, mg/kg dw	1.4U	1.3U	1.3U	2.0U	1.3U
Vanadium, mg/kg dw	11	6.5	6.2	23	33
Zinc, mg/kg dw	22	23	42	170	83
Dilution Factor	1	1	1	1	1
Prep Date	11.07.00	11.07.00	11.07.00	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00	11.08.00	11.08.00	11.08.00
Batch ID	1107B	1107B	1107B	1107B	1107B

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07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Mercury (7471)					
Mercury, mg/kg dw	0.074	0.076	0.092	0.16	3.6
Dilution Factor	1	1	1	1	20
Prep Date	11.07.00	11.07.00	11.07.00	11.07.00	11.07.00
Analysis Date	11.08.00	11.08.00	11.08.00	11.08.00	11.10.00
Batch ID	1107S	1107S	1107S	1107S	1107S
Organic Carbon (WALKLEY-BLACK), mg/kg dw	2900	6000	6600	52000	430000
Dilution Factor	1	1	1	1	1
Prep Date	11.15.00	11.15.00	11.15.00	11.15.00	11.15.00
Analysis Date	11.15.00	11.15.00	11.15.00	11.15.00	11.15.00
Batch ID	1115A	1115A	1115A	1115A	1115A
Gasoline Range Organics (8015M)					
Hydrocarbons as GRO, mg/kg dw	0.39U	0.38U	0.38U	0.48U	26
Surrogate - a,a,a-Trifluorotoluene	109 %	104 %	100 %	114 %	30 %
Dilution Factor	1	1	1	1	5
Analysis Date	11.08.00	11.08.00	11.08.00	11.08.00	11.08.00
Batch ID	2A1107	2A1107	2A1107	1A1108	2A1107

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07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Volatile Organic Compounds (8260)					
Acetone, ug/kg dw	100	220	78	120	1400E
Acetonitrile, ug/kg dw	310U	280U	280U	400U	230U
Acrolein (Propenal), ug/kg dw	150U	140U	140U	200U	120U
Acrylonitrile, ug/kg dw	150U	140U	140U	200U	120U
Benzene, ug/kg dw	7.6U	7.0U	6.9U	10U	36
Bromodichloromethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Bromoform, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Bromomethane (Methyl Bromide), ug/kg dw	15U	14U	35U	20U	12U
2-Butanone (Methyl ethyl ketone), ug/kg dw	39U	36U	35U	49U	120
Carbon disulfide, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Carbon tetrachloride, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Chlorobenzene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Chloroethane, ug/kg dw	15U	14U	14U	20U	12U
Chloroform, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Chloromethane (Methyl Chloride), ug/kg dw	15U	14U	14U	20U	12U

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07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Chloroprene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
3-Chloropropene (Allylchloride), ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Dibromochloromethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,2-Dibromo-3-chloropropane , ug/kg dw	15U	14U	14U	20U	12U
1,2-Dibromoethane (EDB), ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Dibromomethane (Methylene bromide), ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
trans-1,4-Dichloro-2-butene , ug/kg dw	15U	14U	14U	20U	12U
Dichlorodifluoromethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,1-Dichloroethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,2-Dichloroethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,1-Dichloroethene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
trans-1,2-Dichloroethene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,2-Dichloropropane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
cis-1,3-Dichloropropene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
trans-1,3-Dichloropropene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U

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07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Ethylbenzene, ug/kg dw	7.6U	7.0U	6.9U	10U	55
Ethyl methacrylate, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
2-Hexanone, ug/kg dw	38U	35U	34U	50U	29U
Iodomethane (Methyl iodide), ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Isobutanol (Isobutyl alcohol), ug/kg dw	310U	280U	280U	400U	230U
Methacrylonitrile, ug/kg dw	150U	140U	140U	200U	120U
Methylene chloride (Dichloromethane), ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Methyl methacrylate, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
4-Methyl-2-pentanone (MIBK), ug/kg dw	38U	35U	34U	50U	29U
Pentachloroethane, ug/kg dw	38U	35U	34U	50U	29U
Propionitrile, ug/kg dw	150U	140U	140U	200U	120U
Styrene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,1,1,2-Tetrachloroethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,1,2,2-Tetrachloroethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-1	SD-F2	11-03-00/13:40	SAV10
07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
Tetrachloroethene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Toluene, ug/kg dw	7.6U	7.0U	6.9U	10U	100
1,1,1-Trichloroethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,1,2-Trichloroethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Trichloroethene, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Trichlorofluoromethane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
1,2,3-Trichloropropane, ug/kg dw	7.6U	7.0U	6.9U	10U	5.8U
Vinyl acetate, ug/kg dw	15U	14U	14U	20U	12U
Vinyl chloride, ug/kg dw	15U	14U	14U	20U	12U
Xylenes, Total, ug/kg dw	15U	14U	14U	20U	38
Surrogate - Toluene-d8	103 %	100 %	100 %	100 %	103 %
Surrogate - 4-Bromofluorobenzene	113 %	101 %	100 %	84 %	103 %
Surrogate - Dibromofluoromethane	101 %	100 %	100 %	98 %	93 %
Dilution Factor	1	1	1	1	1
Analysis Date	11.09.00	11.09.00	11.09.00	11.09.00	11.09.00
Batch ID	3M1109	3M1109	3M1109	3M1109	3M1109
NIST Library Search (VOC-TIC)	*	*	*	*	*
NIST Library Search (BN/A-TIC)	*	*	*	*	*

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LOG NO: S0-07601A
Received: 04 NOV 00
Reported: 21 NOV 00

Ms. Sally Almond
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97 Midway Lane
Oak Ridge, TN 37830

Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-1	SD-F2	11-03-00/13:40	SAV10
07601A-2	SD-F3	11-02-00/17:15	SAV10
07601A-3	SD-F4	11-02-00/15:40	SAV10
07601A-4	SD-F5	11-02-00/14:00	SAV10
07601A-5	SD-F6	11-03-00/14:00	SAV10

PARAMETER	07601A-1	07601A-2	07601A-3	07601A-4	07601A-5
pH (9045), units	6.87	7.14	7.24	6.88	5.84
Dilution Factor	1	1	1	1	1
Prep Date	11.08.00	11.08.00	11.08.00	11.08.00	11.08.00
Analysis Date	11.08.00	11.08.00	11.08.00	11.08.00	11.08.00
Batch ID	1108Y	1108Y	1108Y	1108Y	1108Y
Percent Solids	64	70	71	51	80

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07601A-5-DL	SD-F6	11-03-00/14:00	SAV10
07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Acids and Base Neutrals (8270-APP9)				
Acenaphthene, ug/kg dw	---	---	410U	450U
Acenaphthylene, ug/kg dw	---	---	410U	450U
Acetophenone, ug/kg dw	---	---	410U	450U
2-Acetylaminofluorene, ug/kg dw	---	---	410U	450U
4-Aminobiphenyl, ug/kg dw	---	---	410U	450U
Aniline, ug/kg dw	---	---	410U	450U
Anthracene, ug/kg dw	---	---	410U	450U
Aramite, Total, ug/kg dw	---	---	410U	450U
Benzo(a)anthracene, ug/kg dw	---	---	410U	450U
Benzo(b)fluoranthene, ug/kg dw	---	---	410U	450U
Benzo(k)fluoranthene, ug/kg dw	---	---	410U	450U
Benzo(g,h,i)perylene, ug/kg dw	---	---	410U	450U
Benzo(a)pyrene, ug/kg dw	---	---	410U	450U
Benzyl alcohol, ug/kg dw	---	---	410U	450U
bis(2-Chloroethoxy)methane, ug/kg dw	---	---	410U	450U
bis(2-Chloroethyl)ether, ug/kg dw	---	---	410U	450U
2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropyl)ether], ug/kg dw	---	---	410U	450U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
bis(2-Ethylhexyl)phthalate, ug/kg dw	---	---	410U	410U
4-Bromophenylphenyl ether, ug/kg dw	---	---	410U	450U
Butylbenzylphthalate, ug/kg dw	---	---	410U	450U
4-Chloroaniline (p-Chloroaniline), ug/kg dw	---	---	810U	900U
4-Chloro-3-methylphenol (p-Chloro-m-cresol), ug/kg dw	---	---	410U	450U
2-Chloronaphthalene, ug/kg dw	---	---	410U	450U
2-Chlorophenol, ug/kg dw	---	---	410U	450U
4-Chlorophenylphenyl ether, ug/kg dw	---	---	410U	450U
Chrysene, ug/kg dw	---	---	410U	450U
Cresol, m & p, ug/kg dw	---	---	410U	450U
Cresol (ortho), ug/kg dw	---	---	410U	450U
Diallate, Total, ug/kg dw	---	---	410U	450U
Dibenzo(a,h)anthracene, ug/kg dw	---	---	410U	450U
Dibenzofuran, ug/kg dw	---	---	410U	450U
Di-n-butylphthalate, ug/kg dw	---	---	410U	450U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
1,2-Dichlorobenzene (o-Dichlorobenzene), ug/kg dw	---	---	410U	450U
1,3-Dichlorobenzene (m-Dichlorobenzene), ug/kg dw	---	---	410U	450U
1,4-Dichlorobenzene (p-Dichlorobenzene), ug/kg dw	---	---	410U	450U
3,3'-Dichlorobenzidine, ug/kg dw	---	---	810U	900U
2,4-Dichlorophenol, ug/kg dw	---	---	410U	450U
2,6-Dichlorophenol, ug/kg dw	---	---	410U	450U
Diethylphthalate, ug/kg dw	---	---	410U	450U
p-(Dimethylamino)azobenzene , ug/kg dw	---	---	410U	450U
7,12-Dimethylbenz(a)anthrac ene, ug/kg dw	---	---	410U	450U
3,3'-Dimethylbenzidine, ug/kg dw	---	---	2100U	2300U
alpha,alpha-Dimethylpheneth ylamine, ug/kg dw	---	---	83000U	92000U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
2,4-Dimethylphenol, ug/kg dw	---	---	410U	450U
Dimethylphthalate, ug/kg dw	---	---	410U	450U
m-Dinitrobenzene , ug/kg dw	---	---	410U	450U
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol), ug/kg dw	---	---	2100U	2300U
2,4-Dinitrophenol, ug/kg dw	---	---	2100U	2300U
2,4-Dinitrotoluene, ug/kg dw	---	---	410U	450U
2,6-Dinitrotoluene, ug/kg dw	---	---	410U	450U
Dinoseb (2-sec-Butyl-4,6-dinitrophenol), ug/kg dw	---	---	410U	450U
Di-n-octylphthalate, ug/kg dw	---	---	410U	450U
1,4-Dioxane, ug/kg dw	---	---	410U	450U
Ethyl methanesulfonate, ug/kg dw	---	---	410U	450U
Fluoranthene, ug/kg dw	---	---	410U	450U
Fluorene, ug/kg dw	---	---	410U	450U
Hexachlorobenzene, ug/kg dw	---	---	410U	450U
Hexachlorobutadiene, ug/kg dw	---	---	410U	450U
Hexachlorocyclopentadiene, ug/kg dw	---	---	410U	450U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Hexachloroethane, ug/kg dw	---	---	410U	450U
Hexachlorophene, ug/kg dw	---	---	210000U	230000U
Hexachloropropene, ug/kg dw	---	---	410U	450U
Indeno(1,2,3-cd)pyrene, ug/kg dw	---	---	410U	450U
Isophorone, ug/kg dw	---	---	410U	450U
Isosafrole, ug/kg dw	---	---	410U	450U
Methapyrilene, ug/kg dw	---	---	83000U	92000U
3-Methylcholanthrene, ug/kg dw	---	---	410U	450U
Methyl methanesulfonate, ug/kg dw	---	---	410U	450U
2-Methylnaphthalene, ug/kg dw	---	---	410U	450U
Naphthalene, ug/kg dw	---	---	410U	450U
1,4-Naphthoquinone, ug/kg dw	---	---	410U	450U
1-Naphthylamine, ug/kg dw	---	---	410U	450U
2-Naphthylamine, ug/kg dw	---	---	410U	450U
2-Nitroaniline (o-Nitroaniline), ug/kg dw	---	---	2100U	2300U
3-Nitroaniline (m-Nitroaniline), ug/kg dw	---	---	2100U	2300U
4-Nitroaniline (p-Nitroaniline), ug/kg dw	---	---	2100U	2300U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Nitrobenzene, ug/kg dw	---	---	410U	450U
2-Nitrophenol (o-Nitrophenol), ug/kg dw	---	---	410U	450U
4-Nitrophenol (p-Nitrophenol), ug/kg dw	---	---	2100U	2300U
4-Nitroquinoline-1-oxide, ug/kg dw	---	---	4100U	4500U
N-Nitrosodi-n-butylamine, ug/kg dw	---	---	410U	450U
N-Nitrosodiethylamine, ug/kg dw	---	---	410U	450U
N-Nitrosodimethylamine, ug/kg dw	---	---	410U	450U
N-Nitrosodiphenylamine, ug/kg dw	---	---	410U	450U
n-Nitrosodi-n-propylamine, ug/kg dw	---	---	410U	450U
N-Nitrosomethylethylamine, ug/kg dw	---	---	410U	450U
N-Nitrosomorpholine, ug/kg dw	---	---	410U	450U
N-Nitrosopiperidine, ug/kg dw	---	---	410U	450U
N-Nitrosopyrrolidine, ug/kg dw	---	---	410U	450U
5-Nitro-o-toluidine, ug/kg dw	---	---	410U	450U
Pentachlorobenzene, ug/kg dw	---	---	410U	450U
Pentachloronitrobenzene, ug/kg dw	---	---	410U	450U
Pentachlorophenol, ug/kg dw	---	---	2100U	2300U
Phenacetin, ug/kg dw	---	---	410U	450U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Phenanthrene, ug/kg dw	---	---	410U	450U
Phenol, ug/kg dw	---	---	410U	450U
1,4-Phenylenediamine (p-Phenylenediamine), ug/kg dw	---	---	2100U	2300U
2-Picoline, ug/kg dw	---	---	410U	450U
Pronamide, ug/kg dw	---	---	410U	450U
Pyrene, ug/kg dw	---	---	410U	450U
Pyridine, ug/kg dw	---	---	410U	450U
Safrole, ug/kg dw	---	---	410U	450U
1,2,4,5-Tetrachlorobenzene, ug/kg dw	---	---	410U	450U
2,3,4,6-Tetrachlorophenol, ug/kg dw	---	---	410U	450U
o-Toluidine, ug/kg dw	---	---	410U	450U
1,2,4-Trichlorobenzene, ug/kg dw	---	---	410U	450U
2,4,5-Trichlorophenol, ug/kg dw	---	---	410U	450U
2,4,6-Trichlorophenol, ug/kg dw	---	---	410U	450U
O,O,O-Triethyl phosphorothioate, ug/kg dw	---	---	410U	450U
1,3,5-Trinitrobenzene, ug/kg dw	---	---	410U	450U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Disulfoton, ug/kg dw	---	---	410U	450U
Methyl parathion, ug/kg dw	---	---	410U	450U
Ethyl parathion (Parathion), ug/kg dw	---	---	410U	450U
Famphur, ug/kg dw	---	---	410U	450U
Phorate, ug/kg dw	---	---	410U	450U
Thionazin (O,O-Diethyl-O-pyrazinyl phosphorothioate), ug/kg dw	---	---	410U	450U
Dimethoate, ug/kg dw	---	---	410U	450U
Sulfotepp (Tetraethyl dithiopyrophosphate), ug/kg dw	---	---	410U	450U
Alpha Pinene, ug/kg dw	---	---	4100U	4500U
Beta Pinene, ug/kg dw	---	---	4100U	4500U
Biphenyl, ug/kg dw	---	---	810U	900U
Biphenyl Ether, ug/kg dw	---	---	810U	900U
Surrogate - Phenol-d5	---	---	61 %	54 %
Surrogate - 2-Fluorophenol	---	---	58 %	52 %
Surrogate - 2,4,6-Tribromophenol	---	---	68 %	61 %

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Surrogate - Nitrobenzene-d5	---	---	60 %	43 %
Surrogate - 2-Fluorobiphenyl	---	---	65 %	56 %
Surrogate - Terphenyl-d14	---	---	80 %	78 %
Dilution Factor	---	---	1	1
Prep Date	---	---	11.07.00	11.07.00
Analysis Date	---	---	11.09.00	11.14.00
Batch ID	---	---	1107A	1107A
Diesel Range Organics (8015)				
Hydrocarbons as DRO, mg/kg dw	---	---	220	5.2
Surrogate - o-Terphenyl	---	---	46 %	65 %
Dilution Factor	---	---	2	1
Prep Date	---	---	11.07.00	11.07.00
Analysis Date	---	---	11.09.00	11.08.00
Batch ID	---	---	1107V	1107V

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07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Metals (6010)				
Antimony, mg/kg dw	---	---	2.2UN	2.7U
Arsenic, mg/kg dw	---	---	2.5	3.7
Barium, mg/kg dw	---	---	81	42
Beryllium, mg/kg dw	---	---	0.93	0.55U
Cadmium, mg/kg dw	---	---	0.56U	0.62U
Chromium, mg/kg dw	---	---	5.9	7.9
Cobalt, mg/kg dw	---	---	3.3	2.3
Copper, mg/kg dw	---	---	2.5U	2.7U
Nickel, mg/kg dw	---	---	4.9U	5.5U
Lead, mg/kg dw	---	---	16	15
Selenium, mg/kg dw	---	---	1.1U	1.2U
Silver, mg/kg dw	---	---	1.1U	1.2U
Tin, mg/kg dw	---	---	6.2U	6.8U
Thallium, mg/kg dw	---	---	1.1U	1.2U
Vanadium, mg/kg dw	---	---	9.0	16
Zinc, mg/kg dw	---	---	4.4	3.9
Dilution Factor	---	---	1	1
Prep Date	---	---	11.07.00	11.07.00
Analysis Date	---	---	11.08.00	11.08.00
Batch ID	---	---	1107B	1107B

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LOG NO: S0-07601A
Received: 04 NOV 00
Reported: 21 NOV 00

Ms. Sally Almond
ARCADIS Geraghty & Miller, Inc.
97 Midway Lane
Oak Ridge, TN 37830

Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-5-DL	SD-F6	11-03-00/14:00	SAV10
07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Mercury (7471)				
Mercury, mg/kg dw	---	---	0.067	0.061
Dilution Factor	---	---	1	1
Prep Date	---	---	11.07.00	11.07.00
Analysis Date	---	---	11.08.00	11.08.00
Batch ID	---	---	1107S	1107S
Organic Carbon (WALKLEY-BLACK), mg/kg dw			6700	3800
Dilution Factor	---	---	1	1
Prep Date	---	---	11.15.00	11.15.00
Analysis Date	---	---	11.15.00	11.15.00
Batch ID	---	---	1115A	1115A
Gasoline Range Organics (8015M)				
Hydrocarbons as GRO, mg/kg dw	---	22	0.31U	0.34U
Surrogate - a,a,a-Trifluorotoluene	---	36 %	100 %	132 %
Dilution Factor	---	5	1	1
Analysis Date	---	11.08.00	11.08.00	11.08.00
Batch ID	---	1A1108	1A1108	2A1107

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Volatile Organic Compounds (8260)				
Acetone, ug/kg dw	4500D	---	350	70U
Acetonitrile, ug/kg dw	11000U	---	200U	280U
Acrolein (Propenal), ug/kg dw	5600U	---	100U	140U
Acrylonitrile, ug/kg dw	5600U	---	100U	140U
Benzene, ug/kg dw	380D	---	5.1U	7.0U
Bromodichloromethane, ug/kg dw	280U	---	5.1U	7.0U
Bromoform, ug/kg dw	280U	---	5.1U	7.0U
Bromomethane (Methyl Bromide), ug/kg dw	560U	---	10U	14U
2-Butanone (Methyl ethyl ketone), ug/kg dw	490D	---	31	35U
Carbon disulfide, ug/kg dw	280U	---	5.1U	7.0U
Carbon tetrachloride, ug/kg dw	280U	---	5.1U	7.0U
Chlorobenzene, ug/kg dw	280U	---	5.1U	7.0U
Chloroethane, ug/kg dw	560U	---	10U	14U
Chloroform, ug/kg dw	280U	---	5.1U	7.0U
Chloromethane (Methyl Chloride), ug/kg dw	560U	---	10U	14U
Chloroprene, ug/kg dw	280U	---	5.1U	7.0U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
3-Chloropropene (Allylchloride), ug/kg dw	280U	---	5.1U	7.0U
Dibromochloromethane, ug/kg dw	280U	---	5.1U	7.0U
1,2-Dibromo-3-chloropropane , ug/kg dw	560U	---	10U	14U
1,2-Dibromoethane (EDB), ug/kg dw	280U	---	5.1U	7.0U
Dibromomethane (Methylene bromide), ug/kg dw	280U	---	5.1U	7.0U
trans-1,4-Dichloro-2-butene , ug/kg dw	560U	---	10U	14U
Dichlorodifluoromethane, ug/kg dw	280U	---	5.1U	7.0U
1,1-Dichloroethane, ug/kg dw	280U	---	5.1U	7.0U
1,2-Dichloroethane, ug/kg dw	280U	---	5.1U	7.0U
1,1-Dichloroethene, ug/kg dw	280U	---	5.1U	7.0U
trans-1,2-Dichloroethene, ug/kg dw	280U	---	5.1U	7.0U
1,2-Dichloropropane, ug/kg dw	280U	---	5.1U	7.0U
cis-1,3-Dichloropropene, ug/kg dw	280U	---	5.1U	7.0U
trans-1,3-Dichloropropene, ug/kg dw	280U	---	5.1U	7.0U
Ethylbenzene, ug/kg dw	2500D	---	5.1U	7.0U

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07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Ethyl methacrylate, ug/kg dw	280U	---	5.1U	7.0U
2-Hexanone, ug/kg dw	1400U	---	26U	35U
Iodomethane (Methyl iodide), ug/kg dw	280U	---	5.1U	7.0U
Isobutanol (Isobutyl alcohol), ug/kg dw	56000U	---	200U	280U
Methacrylonitrile, ug/kg dw	5600U	---	100U	140U
Methylene chloride (Dichloromethane), ug/kg dw	280U	---	5.1U	7.0U
Methyl methacrylate, ug/kg dw	280U	---	5.1U	7.0U
4-Methyl-2-pentanone (MIBK), ug/kg dw	1400U	---	26U	35U
Pentachloroethane, ug/kg dw	1400U	---	26U	35U
Propionitrile, ug/kg dw	5600U	---	100U	140U
Styrene, ug/kg dw	280U	---	5.1U	7.0U
1,1,1,2-Tetrachloroethane, ug/kg dw	280U	---	5.1U	7.0U
1,1,2,2-Tetrachloroethane, ug/kg dw	280U	---	5.1U	7.0U
Tetrachloroethene, ug/kg dw	280U	---	5.1U	7.0U

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07601A-5-DL	SD-F6	11-03-00/14:00	SAV10
07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
Toluene, ug/kg dw	2400D	---	5.1U	7.0U
1,1,1-Trichloroethane, ug/kg dw	280U	---	5.1U	7.0U
1,1,2-Trichloroethane, ug/kg dw	280U	---	5.1U	7.0U
Trichloroethene, ug/kg dw	280U	---	5.1U	7.0U
Trichlorofluoromethane, ug/kg dw	280U	---	5.1U	7.0U
1,2,3-Trichloropropane, ug/kg dw	280U	---	5.1U	7.0U
Vinyl acetate, ug/kg dw	560U	---	10U	14U
Vinyl chloride, ug/kg dw	560U	---	10U	14U
Xylenes, Total, ug/kg dw	1800D	---	10U	14U
Surrogate - Toluene-d8	94 %	---	100 %	106 %
Surrogate - 4-Bromofluorobenzene	97 %	---	102 %	100 %
Surrogate - Dibromofluoromethane	97 %	---	90 %	91 %
Dilution Factor	40	---	1	1
Analysis Date	11.10.00	---	11.09.00	11.09.00
Batch ID	1A1110	---	3M1109	3M1109
NIST Library Search (VOC-TIC)			*	*
NIST Library Search (BN/A-TIC)			*	*

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07601A-5-DL	SD-F6	11-03-00/14:00	SAV10
07601A-5-RE	SD-F6	11-03-00/14:00	SAV10
07601A-6	SD-F7	11-03-00/17:45	SAV10
07601A-7	SD-F8	11-02-00/16:40	SAV10

PARAMETER	07601A-5-DL	07601A-5-RE	07601A-6	07601A-7
pH (9045), units			6.47	5.13
Dilution Factor	---	---	1	1
Prep Date	---	---	11.08.00	11.08.00
Analysis Date	---	---	11.08.00	11.08.00
Batch ID	---	---	1108Y	1108Y
Percent Solids	---	---	81	73

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-8	SD-F2/F3/F4/F5	11-03-00/15:15	SAV10
07601A-9	SD-F6/F7/F8	11-03-00/15:15	SAV10

PARAMETER	07601A-8	07601A-9
Appendix IX Chlorinated Pesticides (8081)		
Aldrin, ug/kg dw	3.0U	2.3U
Isodrin, ug/kg dw	5.9U	4.4U
Chlordane (technical), ug/kg dw	30U	23U
Chlorobenzilate, ug/kg dw	30U	23U
4,4'-DDD, ug/kg dw	5.9U	4.4U
4,4'-DDE, ug/kg dw	5.9U	4.4U
4,4'-DDT, ug/kg dw	5.9U	4.4U
Dieldrin, ug/kg dw	5.9U	4.4U
Endosulfan I, ug/kg dw	3.0U	2.3U
Endosulfan II, ug/kg dw	5.9U	4.4U
Endosulfan sulfate, ug/kg dw	5.9U	4.4U
Endrin, ug/kg dw	5.9U	4.4U
Endrin aldehyde, ug/kg dw	5.9U	4.4U
Heptachlor, ug/kg dw	3.0U	2.3U
Heptachlor epoxide, ug/kg dw	3.0U	2.3U
alpha-BHC, ug/kg dw	3.0U	2.3U
beta-BHC, ug/kg dw	3.0U	2.3U
gamma-BHC (Lindane), ug/kg dw	3.0U	2.3U
delta-BHC, ug/kg dw	3.0U	2.3U
Methoxychlor, ug/kg dw	30U	23U

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07601A-8	SD-F2/F3/F4/F5	11-03-00/15:15	SAV10
07601A-9	SD-F6/F7/F8	11-03-00/15:15	SAV10

PARAMETER	07601A-8	07601A-9
Toxaphene, ug/kg dw	300U	230U
Kepone, ug/kg dw	300U	230U
Surrogate - 2,4,5,6-Tetrachloro-m-xylene (TCMX)	48 %	50 %
Surrogate - DCB	59 %	58 %
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.10.00	11.10.00
Batch ID	1107Q	1107Q
Herbicides (8151)		
2,4-D, ug/kg dw	15U	11U
2,4,5-T, ug/kg dw	15U	11U
2,4,5-TP (Silvex), ug/kg dw	15U	11U
Surrogate-2,4-Dichlorophenyl acetic acid (DCAA)	68 %	53 %
Dilution Factor	1	1
Prep Date	11.08.00	11.08.00
Analysis Date	11.10.00	11.10.00
Batch ID	1108N	1108N

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07601A-8	SD-F2/F3/F4/F5	11-03-00/15:15	SAV10
07601A-9	SD-F6/F7/F8	11-03-00/15:15	SAV10

PARAMETER	07601A-8	07601A-9
PCB's (8082)		
Aroclor-1016, ug/kg dw	59U	44U
Aroclor-1221, ug/kg dw	120U	90U
Aroclor-1232, ug/kg dw	59U	44U
Aroclor-1242, ug/kg dw	59U	44U
Aroclor-1248, ug/kg dw	59U	44U
Aroclor-1254, ug/kg dw	59U	44U
Aroclor-1260, ug/kg dw	59U	44U
Surrogate - TCX	50 %	48 %
Surrogate - DCB	75 %	77 %
Dilution Factor	1	1
Prep Date	11.07.00	11.07.00
Analysis Date	11.29.00	11.29.00
Batch ID	1107Q	1107Q
Percent Solids	56	74

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07601A-10	MW(IDW)-F20	11-03-00/07:45	SAV10
07601A-11	MW(IDS)-F3/F5/F7/F11/F12	11-03-00/09:25	SAV10
07601A-12	MWD-F2IDW	11-03-00/08:30	SAV10

PARAMETER	07601A-10	07601A-11	07601A-12
Semivolatiles in TCLP Extract (8270)			
Cresol (ortho) (TCLP), mg/l	0.050U	0.050U	0.050U
Cresol m & p (TCLP), mg/l	0.050U	0.050U	0.050U
Cresol o,m,p (TCLP), mg/l	0.050U	0.050U	0.050U
1,4-Dichlorobenzene (TCLP), mg/l	0.050U	0.050U	0.050U
2,4-Dinitrotoluene (TCLP), mg/l	0.050U	0.050U	0.050U
Hexachlorobenzene (TCLP), mg/l	0.050U	0.050U	0.050U
Hexachlorobutadiene (TCLP), mg/l	0.050U	0.050U	0.050U
Hexachloroethane (TCLP), mg/l	0.050U	0.050U	0.050U
Nitrobenzene (TCLP), mg/l	0.050U	0.050U	0.050U
Pentachlorophenol (TCLP), mg/l	0.25U	0.25U	0.25U
2,4,5-Trichlorophenol (TCLP), mg/l	0.050U	0.050U	0.050U
2,4,6-Trichlorophenol (TCLP), mg/l	0.050U	0.050U	0.050U
Pyridine (TCLP), mg/l	0.25U	0.25U	0.25U
Surrogate-2FP	100 %	114 %	104 %
Surrogate-PHL	92 %	104 %	94 %
Surrogate-NBZ	92 %	104 %	96 %
Surrogate-2FBP	84 %	96 %	88 %
Surrogate-TBP	86 %	100 %	92 %

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07601A-11	MW(IDS)-F3/F5/F7/F11/F12	11-03-00/09:25	SAV10
07601A-12	MWD-F2IDW	11-03-00/08:30	SAV10

PARAMETER	07601A-10	07601A-11	07601A-12
Surrogate-TPH	100 %	100 %	104 %
TCLP (1311) Sec. 7.2 Extraction Date	11.07.00	11.07.00	11.07.00
Extraction Date (Extract)	11.08.00	11.08.00	11.08.00
Dilution Factor	1	1	1
Prep Date	11.08.00	11.08.00	11.08.00
Analysis Date	11.11.00	11.11.00	11.11.00
Batch ID	1108A	1108A	1108A
Metals in TCLP Extract (6010)			
Arsenic (TCLP), ug/l	200U	200U	200U
Barium (TCLP), ug/l	1000U	1300	1000U
Cadmium (TCLP), ug/l	100U	100U	100U
Chromium (TCLP), ug/l	200U	200U	200U
Lead (TCLP), ug/l	200U	200U	200U
Selenium (TCLP), ug/l	500U	500U	500U
Silver (TCLP), ug/l	100U	100U	100U
TCLP (1311) Sec. 7.2 Extraction Date	11.07.00	11.07.00	11.07.00
Dilution Factor	1	1	1
Prep Date	11.08.00	11.08.00	11.08.00
Analysis Date	11.09.00	11.09.00	11.09.00
Batch ID	1108P	1108P	1108P

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07601A-10	MW(IDW)-F20	11-03-00/07:45	SAV10
07601A-11	MW(IDS)-F3/F5/F7/F11/F12	11-03-00/09:25	SAV10
07601A-12	MWD-F2IDW	11-03-00/08:30	SAV10

PARAMETER	07601A-10	07601A-11	07601A-12
Mercury in TCLP Extract (7471)			
Mercury (TCLP), ug/l	20U	20U	20U
TCLP (1311) Sec. 7.2 Extraction Date	11.07.00	11.07.00	11.07.00
Dilution Factor	1	1	1
Prep Date	11.08.00	11.08.00	11.08.00
Analysis Date	11.09.00	11.09.00	11.09.00
Batch ID	1108R	1108R	1108R

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LOG NO: S0-07601A
Received: 04 NOV 00
Reported: 21 NOV 00

Ms. Sally Almond
ARCADIS Geraghty & Miller, Inc.
97 Midway Lane
Oak Ridge, TN 37830

Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-10	MW(IDW)-F20	11-03-00/07:45	SAV10
07601A-11	MW(IDS)-F3/F5/F7/F11/F12	11-03-00/09:25	SAV10
07601A-12	MWD-F2IDW	11-03-00/08:30	SAV10

PARAMETER	07601A-10	07601A-11	07601A-12
Volatiles in TCLP Extract (8260)			
Benzene (TCLP), mg/l	0.020U	0.020U	0.020U
Carbon tetrachloride (TCLP), mg/l	0.020U	0.020U	0.020U
Chlorobenzene (TCLP), mg/l	0.020U	0.020U	0.020U
Chloroform (TCLP), mg/l	0.020U	0.020U	0.020U
1,2-Dichloroethane (TCLP), mg/l	0.020U	0.020U	0.020U
1,1-Dichloroethylene (TCLP), mg/l	0.020U	0.020U	0.020U
Methyl ethyl ketone (TCLP), mg/l	0.10U	0.10U	0.10U
Tetrachloroethylene (TCLP), mg/l	0.020U	0.020U	0.020U
Trichloroethylene (TCLP), mg/l	0.020U	0.020U	0.020U
Vinyl chloride (TCLP), mg/l	0.040U	0.040U	0.040U
Surrogate - Toluene-d8	95 %	100 %	100 %
Surrogate - 4-Bromofluorobenzene	95 %	95 %	95 %
Surrogate - Dibromofluoromethane	85 %	80 %	85 %
TCLP (1311) Sec. 7.3 Extraction Date	11.03.00	11.03.00	11.03.00
Dilution Factor	1	1	1
Analysis Date	11.09.00	11.09.00	11.09.00
Batch ID	1A1109	1A1109	1A1109

SEVERN TRENT SERVICES
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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-10	MW(IDW)-F20	11-03-00/07:45	SAV10
07601A-11	MW(IDS)-F3/F5/F7/F11/F12	11-03-00/09:25	SAV10
07601A-12	MWD-F2IDW	11-03-00/08:30	SAV10

PARAMETER	07601A-10	07601A-11	07601A-12
pH (9045), units	7.90	7.56	7.19
Dilution Factor	1	1	1
Prep Date	11.08.00	11.08.00	11.08.00
Analysis Date	11.08.00	11.08.00	11.08.00
Batch ID	1108Y	1108Y	1108Y
Ignitability - Burn Rate (1030), mm/sec	NB	NB	NB
Dilution Factor	1	1	1
Prep Date	11.07.00	11.07.00	11.07.00
Analysis Date	11.07.00	11.07.00	11.07.00
Batch ID	1107A	1107A	1107A
Total Releasable Cyanide (SW7.3.3.2), mg HCN/kg	100U	100U	100U
Dilution Factor	1	1	1
Prep Date	11.09.00	11.09.00	11.09.00
Analysis Date	11.10.00	11.10.00	11.10.00
Batch ID	1109R	1109R	1109R

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97 Midway Lane
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Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-10	MW(IDW)-F20	11-03-00/07:45	SAV10
07601A-11	MW(IDS)-F3/F5/F7/F11/F12	11-03-00/09:25	SAV10
07601A-12	MWD-F2IDW	11-03-00/08:30	SAV10

PARAMETER	07601A-10	07601A-11	07601A-12
Total Releasable Sulfide (SW7.3.4.2), mg H2S/kg	50U	50U	50U
Dilution Factor	1	1	1
Prep Date	11.09.00	11.09.00	11.09.00
Analysis Date	11.10.00	11.10.00	11.10.00
Batch ID	1109R	1109R	1109R
Percent Solids	70	73	66

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97 Midway Lane
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Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-13	Trip Blank	11-03-00	SAV10

PARAMETER	07601A-13
1,2-Dibromo-3-chloropropane, ug/l	1.0U
1,2-Dibromoethane (EDB), ug/l	1.0U
Dibromomethane (Methylene bromide), ug/l	1.0U
trans-1,4-Dichloro-2-butene, ug/l	2.0U
Dichlorodifluoromethane, ug/l	1.0U
1,1-Dichloroethane, ug/l	1.0U
1,2-Dichloroethane, ug/l	1.0U
1,1-Dichloroethene, ug/l	1.0U
trans-1,2-Dichloroethene, ug/l	1.0U
1,2-Dichloropropane, ug/l	1.0U
cis-1,3-Dichloropropene, ug/l	1.0U
trans-1,3-Dichloropropene, ug/l	1.0U
Ethylbenzene, ug/l	1.0U
Ethyl methacrylate, ug/l	1.0U
2-Hexanone, ug/l	10U
Iodomethane (Methyl iodide), ug/l	1.0U
Isobutanol (Isobutyl alcohol), ug/l	40U
Methacrylonitrile, ug/l	20U
Methylene chloride (Dichloromethane), ug/l	5.0U
Methyl methacrylate, ug/l	1.0U
4-Methyl-2-pentanone (MIBK), ug/l	10U

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Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-13	Trip Blank	11-03-00	SAV10

PARAMETER	07601A-13
Volatile Organic Compounds (8260)	
Acetone, ug/l	25U
Acetonitrile, ug/l	40U
Acrolein (Propenal), ug/l	20U
Acrylonitrile, ug/l	20U
Benzene, ug/l	1.0U
Bromodichloromethane, ug/l	1.0U
Bromoform, ug/l	1.0U
Bromomethane (Methyl Bromide), ug/l	1.0U
2-Butanone (Methyl ethyl ketone), ug/l	10U
Carbon disulfide, ug/l	1.0U
Carbon tetrachloride, ug/l	1.0U
Chlorobenzene, ug/l	1.0U
Chloroethane, ug/l	1.0U
Chloroform, ug/l	1.0U
Chloromethane (Methyl Chloride), ug/l	1.0U
Chloroprene, ug/l	1.0U
3-Chloropropene (Allylchloride), ug/l	1.0U
Dibromochloromethane, ug/l	1.0U

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Project: TN000545.0007.5/Savannah
Sampled By: Client
Code: 14120124

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
07601A-13	Trip Blank	11-03-00	SAV10

PARAMETER	07601A-13
Pentachloroethane, ug/l	5.0U
Propionitrile, ug/l	20U
Styrene, ug/l	1.0U
1,1,1,2-Tetrachloroethane, ug/l	1.0U
1,1,2,2-Tetrachloroethane, ug/l	1.0U
Tetrachloroethene, ug/l	1.0U
Toluene, ug/l	1.0U
1,1,1-Trichloroethane, ug/l	1.0U
1,1,2-Trichloroethane, ug/l	1.0U
Trichloroethene, ug/l	1.0U
Trichlorofluoromethane, ug/l	1.0U
1,2,3-Trichloropropane, ug/l	1.0U
Vinyl acetate, ug/l	2.0U
Vinyl chloride, ug/l	1.0U
Xylenes, Total, ug/l	2.0U
Surrogate - Toluene-d8	100 %
Surrogate - 4-Bromofluorobenzene	94 %
Surrogate - Dibromofluoromethane	84 %
Dilution Factor	1
Analysis Date	11.10.00
Batch ID	2A1109
NIST Library Search (VOC-TIC)	*

ALTA

PCDD & PCDF
EPA METHOD 8290

Method Blank		**Date Extracted:**	11/9/00	**Lab ID:**	MB001
Matrix:	Solid	**Sample Amount:**	10 g	**QC Set:**	1,108
TEQ (Min-Max):	0 - 1.03			**Units:**	pg/g

Compound	Conc.	DL [b]	EMPC[c]	MDL [d]	Qualifier
2,3,7,8-TCDD	ND	0.359		0.0889	
1,2,3,7,8-PeCDD	ND	0.479		0.262	
1,2,3,4,7,8-HxCDD	ND	0.486		0.820	
1,2,3,6,7,8-HxCDD	ND	0.533		0.818	
1,2,3,7,8,9-HxCDD	ND	0.478		0.528	
1,2,3,4,6,7,8-HpCDD	ND	0.876		0.347	
OCDD	ND	1.17		2.03	
2,3,7,8-TCDF	ND	0.484		0.0940	
1,2,3,7,8-PeCDF	ND	0.215		0.294	
2,3,4,7,8-PeCDF	ND	0.216		0.245	
1,2,3,4,7,8-HxCDF	ND	0.210		0.270	
1,2,3,6,7,8-HxCDF	ND	0.197		0.201	
2,3,4,6,7,8-HxCDF	ND	0.252		0.273	
1,2,3,7,8,9-HxCDF	ND	0.330		0.297	
1,2,3,4,6,7,8-HpCDF	ND	0.437		0.232	
1,2,3,4,7,8,9-HpCDF	ND	0.580		0.295	
OCDF	ND	0.918		0.512	
Total TCDD	ND	0.359			
Total PeCDD	ND	0.479			
Total HxCDD	ND	0.499			
Total HpCDD	ND	0.876			
Total TCDF	ND	0.484			
Total PeCDF	ND	0.215			
Total HxCDF	ND	0.243			
Total HpCDF	ND	0.502			

ALTA

PCDD & PCDF
EPA METHOD 8290

Method Blank **QC Set:** 1,108
Lab ID: MB001

Internal Standards	%R	LCL-UCL[e]	Qualifier
13C-2,3,7,8-TCDD	52.3	40 - 135	
13C-1,2,3,7,8-PeCDD	48.8	40 - 135	
13C-1,2,3,4,7,8-HxCDD	54.6	40 - 135	
13C-1,2,3,6,7,8-HxCDD	55.3	40 - 135	
13C-1,2,3,4,6,7,8-HpCDD	55.8	40 - 135	
13C-OCDD	68.1	40 - 135	
13C-2,3,7,8-TCDF	54.6	40 - 135	
13C-1,2,3,7,8-PeCDF	44.5	40 - 135	
13C-2,3,4,7,8-PeCDF	46.7	40 - 135	
13C-1,2,3,4,7,8-HxCDF	52.3	40 - 135	
13C-1,2,3,6,7,8-HxCDF	64.4	40 - 135	
13C-2,3,4,6,7,8-HxCDF	57.3	40 - 135	
13C-1,2,3,7,8,9-HxCDF	61.7	40 - 135	
13C-1,2,3,4,6,7,8-HpCDF	51.9	40 - 135	
13C-1,2,3,4,7,8,9-HpCDF	56.0	40 - 135	
13C-OCDF	73.3	40 - 135	
Clean-up Recovery Standard			
37Cl-2,3,7,8-TCDD	46.3	40 - 135	

Analysis Dates
DB-5: 11/12/00

a. Toxic Equivalent Quotient (TEQ) based on USEPA Toxic Equivalent Factors.
b. Sample specific estimated detection limit.
c. Estimated maximum possible concentration
d. Method Detection Limit
e. Lower Control Limit - Upper Control Limit

ALTA

PCDD & PCDF
EPA METHOD 8290

OPR RESULTS
Lab ID: OPR001
Matrix: Solid

Date Received: NA
Date Extracted: 11/9/00
Sample Amount: 10 g

QC Set: 1,108
Units: ng/mL

Compound	Spike Conc.	Conc. Found	OPR Limits
2,3,7,8-TCDD	10.0	8.21	7 - 13
1,2,3,7,8-PeCDD	50.0	42.9	35 - 65
1,2,3,4,7,8-HxCDD	50.0	42.9	35 - 65
1,2,3,6,7,8-HxCDD	50.0	46.3	35 - 65
1,2,3,7,8,9-HxCDD	50.0	44.3	35 - 65
1,2,3,4,6,7,8-HpCDD	50.0	40.0	35 - 65
OCDD	100	90.8	70 - 130
2,3,7,8-TCDF	10.0	9.19	7 - 13
1,2,3,7,8-PeCDF	50.0	41.7	35 - 65
2,3,4,7,8-PeCDF	50.0	43.2	35 - 65
1,2,3,4,7,8-HxCDF	50.0	45.2	35 - 65
1,2,3,6,7,8-HxCDF	50.0	42.2	35 - 65
2,3,4,6,7,8-HxCDF	50.0	43.2	35 - 65
1,2,3,7,8,9-HxCDF	50.0	44.2	35 - 65
1,2,3,4,6,7,8-HpCDF	50.0	44.4	35 - 65
1,2,3,4,7,8,9-HpCDF	50.0	46.8	35 - 65
OCDF	100	88.2	70 - 130

ALTA

PCDD & PCDF
EPA METHOD 8290

OPR RESULTS **QC Set:** 1,108
Lab ID: OPR001

Internal Standards	Spike Conc.	%R	OPR Limits
13C-2,3,7,8-TCDD	100	77.4	40 - 135
13C-1,2,3,7,8-PeCDD	100	64.2	40 - 135
13C-1,2,3,4,7,8-HxCDD	100	75.3	40 - 135
13C-1,2,3,6,7,8-HxCDD	100	68.9	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	68.1	40 - 135
13C-OCDD	200	82.3	40 - 135
13C-2,3,7,8-TCDF	100	65.9	40 - 135
13C-1,2,3,7,8-PeCDF	100	55.3	40 - 135
13C-2,3,4,7,8-PeCDF	100	56.7	40 - 135
13C-1,2,3,4,7,8-HxCDF	100	64.1	40 - 135
13C-1,2,3,6,7,8-HxCDF	100	81.2	40 - 135
13C-2,3,4,6,7,8-HxCDF	100	72.4	40 - 135
13C-1,2,3,7,8,9-HxCDF	100	78.0	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	100	64.3	40 - 135
13C-1,2,3,4,7,8,9-HpCDF	100	70.8	40 - 135
13C-OCDF	200	85.9	40 - 135

Clean-up Recovery Standard	Spike Conc.	%R	OPR Limits
37Cl-2,3,7,8-TCDD	40.0	62.9	40 - 135

Analysis Dates
DB-5: 11/12/00

ALTA

PCDD & PCDF
EPA METHOD 8290

Sample ID:	SD-F2/F3/F4/F5			**Lab ID:**	9365-001
Project:	TN000545.0007			**QC Set:**	1,108
Matrix:	Sediment	**Date Received:**	11/4/00	**%Solids:**	50.0
Sample Amount:	19.96 g	**Date Extracted:**	11/9/00	**Units:**	pg/g
[a] **TEQ (Min-Max):**	43.5 - 44.4				

Compound	Conc.	DL [b]	EMPC [c]	MDL [d]	Qualifier
2,3,7,8-TCDD	ND	0.328		0.0889	
1,2,3,7,8-PeCDD	1.65			0.262	A
1,2,3,4,7,8-HxCDD	ND	1.98		0.820	
1,2,3,6,7,8-HxCDD	27.0			0.818	
1,2,3,7,8,9-HxCDD	83.9			0.528	
1,2,3,4,6,7,8-HpCDD	917			0.347	
OCDD	21900			2.03	
2,3,7,8-TCDF	ND	0.379		0.0940	
1,2,3,7,8-PeCDF	ND	0.267		0.294	
2,3,4,7,8-PeCDF	0.802			0.245	A
1,2,3,4,7,8-HxCDF	ND	0.602		0.270	
1,2,3,6,7,8-HxCDF	ND	0.555		0.201	
2,3,4,6,7,8-HxCDF	ND	0.680		0.273	
1,2,3,7,8,9-HxCDF	ND	0.863		0.297	
1,2,3,4,6,7,8-HpCDF	10.2			0.232	
1,2,3,4,7,8,9-HpCDF	ND	0.840		0.295	
OCDF	28.1			0.512	
Total TCDD	42.1		44.3		
Total PeCDD	59.2		85.5		
Total HxCDD	534				
Total HpCDD	1470				
Total TCDF	3.70				
Total PeCDF	11.0		11.6		
Total HxCDF	14.1				
Total HpCDF	37.6				

ALTA

PCDD & PCDF
EPA METHOD 8290

Sample ID: SD-F2/F3/F4/F5
Lab ID: 9365-001

Internal Standards	%R	LCL-UCL[e]	Qualifier
13C-2,3,7,8-TCDD	53.4	40 - 135	
13C-1,2,3,7,8-PeCDD	49.4	40 - 135	
13C-1,2,3,4,7,8-HxCDD	58.7	40 - 135	
13C-1,2,3,6,7,8-HxCDD	45.4	40 - 135	
13C-1,2,3,4,6,7,8-HpCDD	53.2	40 - 135	
13C-OCDD	78.4	40 - 135	
13C-2,3,7,8-TCDF	50.7	40 - 135	
13C-1,2,3,7,8-PeCDF	43.8	40 - 135	
13C-2,3,4,7,8-PeCDF	44.7	40 - 135	
13C-1,2,3,4,7,8-HxCDF	48.7	40 - 135	
13C-1,2,3,6,7,8-HxCDF	54.5	40 - 135	
13C-2,3,4,6,7,8-HxCDF	51.0	40 - 135	
13C-1,2,3,7,8,9-HxCDF	55.8	40 - 135	
13C-1,2,3,4,6,7,8-HpCDF	46.4	40 - 135	
13C-1,2,3,4,7,8,9-HpCDF	50.3	40 - 135	
13C-OCDF	73.1	40 - 135	

Clean-up Recovery Standard		
37Cl-2,3,7,8-TCDD	45.9	40 - 135

Analysis Dates

DB-5: 11/12/00 **DB-225:** NA

a. Toxic Equivalent Quotient (TEQ) based on USEPA Toxic Equivalent Factors.
b. Sample specific estimated detection limit.
c. Estimated maximum possible concentration
d. Method Detection Limit
e. Lower control limit - upper control limit

ALTA

PCDD & PCDF
EPA METHOD 8290

Sample ID:	SD-F6/F7/F8			**Lab ID:**	9365-002
Project:	TN000545.0007			**QC Set:**	1,108
Matrix:	Sediment	**Date Received:**	11/4/00	**%Solids:**	73.3
Sample Amount:	13.76 g	**Date Extracted:**	11/9/00	**Units:**	pg/g
[a] **TEQ (Min-Max):**	162 - 163				

Compound	Conc.	DL [b]	EMPC [c]	MDL [d]	Qualifier
2,3,7,8-TCDD	ND	0.354		0.0889	
1,2,3,7,8-PeCDD	7.13			0.262	
1,2,3,4,7,8-HxCDD	14.6			0.820	
1,2,3,6,7,8-HxCDD	21.4			0.818	
1,2,3,7,8,9-HxCDD	52.2			0.528	
1,2,3,4,6,7,8-HpCDD	1380			0.347	
OCDD	136000			2.03	*
2,3,7,8-TCDF	ND	0.438		0.0940	
1,2,3,7,8-PeCDF	ND	0.422		0.294	
2,3,4,7,8-PeCDF	ND	0.346		0.245	
1,2,3,4,7,8-HxCDF	ND	0.379		0.270	
1,2,3,6,7,8-HxCDF	ND	0.370		0.201	
2,3,4,6,7,8-HxCDF	ND	0.461		0.273	
1,2,3,7,8,9-HxCDF	ND	0.614		0.297	
1,2,3,4,6,7,8-HpCDF	3.18			0.232	
1,2,3,4,7,8,9-HpCDF	ND	0.399		0.295	
OCDF	6.96			0.512	
Total TCDD	41.6		43.6		
Total PeCDD	136				
Total HxCDD	936				
Total HpCDD	4190				
Total TCDF	2.01				
Total PeCDF	1.94				
Total HxCDF	4.06				
Total HpCDF	14.3				

ALTA

PCDD & PCDF
EPA METHOD 8290

Sample ID: SD-F6/F7/F8
Lab ID: 9365-002

Internal Standards	%R	LCL-UCL[e]	Qualifier
13C-2,3,7,8-TCDD	61.0	40 - 135	
13C-1,2,3,7,8-PeCDD	52.3	40 - 135	
13C-1,2,3,4,7,8-HxCDD	57.5	40 - 135	
13C-1,2,3,6,7,8-HxCDD	57.0	40 - 135	
13C-1,2,3,4,6,7,8-HpCDD	56.4	40 - 135	
13C-OCDD	122	40 - 135	*
13C-2,3,7,8-TCDF	57.3	40 - 135	
13C-1,2,3,7,8-PeCDF	47.7	40 - 135	
13C-2,3,4,7,8-PeCDF	60.2	40 - 135	
13C-1,2,3,4,7,8-HxCDF	53.2	40 - 135	
13C-1,2,3,6,7,8-HxCDF	59.0	40 - 135	
13C-2,3,4,6,7,8-HxCDF	55.9	40 - 135	
13C-1,2,3,7,8,9-HxCDF	60.0	40 - 135	
13C-1,2,3,4,6,7,8-HpCDF	50.3	40 - 135	
13C-1,2,3,4,7,8,9-HpCDF	56.3	40 - 135	
13C-OCDF	80.9	40 - 135	
Clean-up Recovery Standard			
37Cl-2,3,7,8-TCDD	57.0	40 - 135	

Analysis Dates

DB-5: 11/12/00 **DB-225:** NA

a. Toxic Equivalent Quotient (TEQ) based on USEPA Toxic Equivalent Factors.
b. Sample specific estimated detection limit.
c. Estimated maximum possible concentration
d. Method Detection Limit
e. Lower control limit - upper control limit

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-70633-1
Client Project/Site: Hercules Savannah - GW July 2011

For:
Ashland Inc.
Ashland Hercules Research Center
500 Hercules Rd Bldg 8139
Wilmington, Delaware 19808

Attn: Timothy Hassett

Authorized for release by:
08/22/2011 05:28:38 PM

Lidya Gulizia
Project Manager II
lidya.gulizia@testamericainc.com

cc: Holly English

LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Job ID: 680-70633-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-70633-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS/LCSD associated with batch 210132 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210251 had 1 analyte outside control limits; therefore, re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS and LCSD associated with batch 210497 had 2 and 1 analytes outside control limits, repsectively; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 210251: isobutyl alcohol. This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. There is insufficient holding time remaining for re-analysis; therefore, the data have been reported. The associated samples were non-detect for the affected analyte.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C LL: The following sample(s) was diluted due to abundance of target analytes : MW-F21 (072111) (680-70633-18). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270C LL: The following sample(s) was diluted due to the nature of the sample matrix : MW-F11 (071911) (680-70633-2), MW-F12 (071911) (680-70633-1 MS), MW-F12 (071911) (680-70633-1 MSD),DUP-02 (072111) (680-70633-19), MW-F12 (071911) (680-70633-1). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270C LL: The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: MW-25 (072011) (680-70633-7), MWD-25 (072011) (680-70633-8). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C LL: Internal standard (ISTD) response for the following sample(s) was outside control limits: MW-F14 (072111) (680-70633-17). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8270C LL: Surrogate recovery for the following sample(s) was outside acceptance limits: MW-F1 (071911) (680-70633-11).

Method(s) 8270C LL: The method blank for batches 209662 and 209813 have bis(2-ethylhexyl) phthalate, a common lab contaminate, above the RL. The data has been qualified and reported.

Method(s) 8270C LL: The laboratory control sample (LCS) for batch 209662 exceeded control limits for the following analytes: Anthracene, 2,4,5 and 2,4,6 trichlorophenol, bis(2-ethylhexyl)phthalate, 4 chloro-3-methylphenol, 2 methylphenol, 2,4 dichlorophenol, 2,4 dinitrotoluene, dibenzofuran, and 3,4 methylphenol. Famphur and hexachlorophene, which are poor performers, also recovered outside of control limits. The data has been qualified and reported per pm instructions.

Method(s) 8270C LL: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 209813

Job ID: 680-70633-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

exceeded control limits for the following analytes: bis(2-ethylhexyl)phthalate, aramite, p-dimethylamino azobenzene, and dinoseb. P-phenylenediamine, hexachlorophene, methapyrilene, aa-dimethylphenethylamine, 3,3 dimethylbenzidine, which are poor performers, also recovered outside of control limits. The data have been qualifed and reported.

Method(s) 8270C LL: Matrix spikes for batch 209662 required sample dilution due to sample matrix interferences. Recoveries for all analytes could not be recovered.

Method(s) 8270C LL: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 209813 exceeded control limits.

No other analytical or quality issues were noted.

HPLC
No analytical or quality issues were noted.

Comments
No additional comments.

Sample Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70633-1	MW-F12 (071911)	Water	07/19/11 14:38	07/21/11 15:25
680-70633-2	MW-F11 (071911)	Water	07/19/11 17:20	07/21/11 15:25
680-70633-3	MW-F6 (072011)	Water	07/20/11 07:53	07/21/11 15:25
680-70633-4	MW-F5 (072011)	Water	07/20/11 09:13	07/21/11 15:25
680-70633-5	MW-F3R (072011)	Water	07/20/11 10:27	07/21/11 15:25
680-70633-6	MW-F16 (072011)	Water	07/20/11 13:12	07/21/11 15:25
680-70633-7	MW-25 (072011)	Water	07/20/11 14:38	07/21/11 15:25
680-70633-8	MWD-25 (072011)	Water	07/20/11 15:47	07/21/11 15:25
680-70633-9	MW-F2 (071911)	Water	07/19/11 16:45	07/21/11 15:25
680-70633-10	MW-F19 (071911)	Water	07/19/11 13:05	07/21/11 15:25
680-70633-11	MW-F1 (071911)	Water	07/19/11 15:25	07/21/11 15:25
680-70633-12	TB01 (072011)	Water	07/20/11 12:00	07/21/11 15:25
680-70633-13	MW-24 (072011)	Water	07/20/11 08:25	07/21/11 15:25
680-70633-14	MWD-24 (072011)	Water	07/20/11 09:40	07/21/11 15:25
680-70633-15	MW-23 (072011)	Water	07/20/11 17:00	07/21/11 15:25
680-70633-16	MW-F13 (072111)	Water	07/21/11 07:48	07/21/11 15:25
680-70633-17	MW-F14 (072111)	Water	07/21/11 09:17	07/21/11 15:25
680-70633-18	MW-F21 (072111)	Water	07/21/11 10:47	07/21/11 15:25
680-70633-19	DUP-02 (072111)	Water	07/21/11 12:00	07/21/11 15:25
680-70633-20	MWD-23 (072011)	Water	07/20/11 17:35	07/21/11 15:25
680-70633-21	MW-F8 (072111)	Water	07/21/11 08:20	07/21/11 15:25
680-70633-22	MW-F9 (072111)	Water	07/21/11 10:15	07/21/11 15:25
680-70633-23	MW-22 (072111)	Water	07/21/11 12:00	07/21/11 15:25
680-70633-24	MWD-22 (072111)	Water	07/21/11 13:25	07/21/11 15:25
680-70633-25	MW-29 (072111)	Water	07/21/11 12:57	07/21/11 15:25
680-70633-26	MWD-29 (072111)	Water	07/21/11 14:05	07/21/11 15:25

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL SAV
8315A	Carbonyl Compounds (HPLC)	SW846	TAL TAL
Asbestos	EPA 100.2 Asbestos in Drinking Water	NONE	EMSL

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMSL = EMSL Analytical, Inc., 200 Rt 130 North, Cinnaminson, NJ 08077

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	RPD of the MS and MSD exceeds the control limits
X	Surrogate is outside control limits
*	RPD of the LCS and LCSD exceeds the control limits

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F12 (071911) — Lab Sample ID: 680-70633-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	41	* B	20		ug/L	10		8270C LL	Total/NA

Client Sample ID: MW-F11 (071911) — Lab Sample ID: 680-70633-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	46	B *	20		ug/L	10		8270C LL	Total/NA

Client Sample ID: MW-F6 (072011) — Lab Sample ID: 680-70633-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	24	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F5 (072011) — Lab Sample ID: 680-70633-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	4.9		0.19		ug/L	1		8270C LL	Total/NA
Bis(2-ethylhexyl) phthalate	22	B *	1.9		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F3R (072011) — Lab Sample ID: 680-70633-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.43		0.19		ug/L	1		8270C LL	Total/NA
Bis(2-ethylhexyl) phthalate	2.5	B *	1.9		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F16 (072011) — Lab Sample ID: 680-70633-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	23	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-25 (072011) — Lab Sample ID: 680-70633-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	20	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MWD-25 (072011) — Lab Sample ID: 680-70633-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	18	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F2 (071911) — Lab Sample ID: 680-70633-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	18	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F19 (071911) — Lab Sample ID: 680-70633-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	19	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F1 (071911) — Lab Sample ID: 680-70633-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	22	B *	2.0		ug/L	1		8270C LL	Total/NA

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: TB01 (072011) — Lab Sample ID: 680-70633-12

No Detections

Client Sample ID: MW-24 (072011) — Lab Sample ID: 680-70633-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	30	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MWD-24 (072011) — Lab Sample ID: 680-70633-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	28	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-23 (072011) — Lab Sample ID: 680-70633-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	25	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F13 (072111) — Lab Sample ID: 680-70633-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	16	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F14 (072111) — Lab Sample ID: 680-70633-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.1		1.0		ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	16	B *	1.9		ug/L	1		8270C LL	Total/NA
1,4-Dioxane	18		1.9		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F21 (072111) — Lab Sample ID: 680-70633-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14		1.0		ug/L	1		8260B	Total/NA
2-Methylnaphthalene	15		9.6		ug/L	50		8270C LL	Total/NA
Naphthalene	430		9.6		ug/L	50		8270C LL	Total/NA

Client Sample ID: DUP-02 (072111) — Lab Sample ID: 680-70633-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	16		1.0		ug/L	1		8260B	Total/NA
Xylenes, Total	2.2		2.0		ug/L	1		8260B	Total/NA
Acenaphthene	6.2		1.9		ug/L	10		8270C LL	Total/NA
1,4-Dioxane	21		19		ug/L	10		8270C LL	Total/NA
2-Methylnaphthalene	23		1.9		ug/L	10		8270C LL	Total/NA
Naphthalene	400		1.9		ug/L	10		8270C LL	Total/NA

Client Sample ID: MWD-23 (072011) — Lab Sample ID: 680-70633-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	19	B *	1.9		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F8 (072111) — Lab Sample ID: 680-70633-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	20	B *	2.0		ug/L	1		8270C LL	Total/NA

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F9 (072111) — Lab Sample ID: 680-70633-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	3.8	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-22 (072111) — Lab Sample ID: 680-70633-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	3.4	* B	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MWD-22 (072111) — Lab Sample ID: 680-70633-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	4.3	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-29 (072111) — Lab Sample ID: 680-70633-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.1		1.0		ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	3.7	B *	2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MWD-29 (072111) — Lab Sample ID: 680-70633-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	2.7	* B	2.0		ug/L	1		8270C LL	Total/NA
Naphthalene	0.22		0.20		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-F12 (071911)

Lab Sample ID: 680-70633-1

Date Collected: 07/19/11 14:38

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 00:56	1
Acetonitrile	40	U	40		ug/L			07/24/11 00:56	1
Acrolein	20	U	20		ug/L			07/24/11 00:56	1
Acrylonitrile	20	U	20		ug/L			07/24/11 00:56	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 00:56	1
Benzene	1.0	U	1.0		ug/L			07/24/11 00:56	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 00:56	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
2-Butanone	10	U	10		ug/L			07/24/11 00:56	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 00:56	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 00:56	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 00:56	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 00:56	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 00:56	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 00:56	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 00:56	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 00:56	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 00:56	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 00:56	1
2-Hexanone	10	U	10		ug/L			07/24/11 00:56	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 00:56	1
Isobutanol	40	U	40		ug/L			07/24/11 00:56	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 00:56	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 00:56	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 00:56	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 00:56	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 00:56	1
Propionitrile	20	U	20		ug/L			07/24/11 00:56	1
Styrene	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 00:56	1
Toluene	1.0	U	1.0		ug/L			07/24/11 00:56	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 00:56	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 00:56	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 00:56	1

Client Sample ID: MW-F12 (071911)

Date Collected: 07/19/11 14:38
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 00:56	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 00:56	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 00:56	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 00:56	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 00:56	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 00:56	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 00:56	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 00:56	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*07/24/11 00:56*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/24/11 00:56*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 00:56*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Acenaphthylene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Acetophenone	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Acetylaminofluorene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
alpha,alpha-Dimethyl phenethylamine	100	U	100		ug/L		07/22/11 15:26	08/08/11 20:06	10
4-Aminobiphenyl	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
Aniline	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
Anthracene	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Aramite, Total	15	U	15		ug/L		07/22/11 15:26	08/08/11 20:06	10
Benzo[a]anthracene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Benzo[a]pyrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Benzo[b]fluoranthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Benzo[g,h,i]perylene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Benzo[k]fluoranthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Benzyl alcohol	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Bis(2-chloroethoxy)methane	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Bis(2-chloroethyl)ether	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
bis (2-chloroisopropyl) ether	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Bis(2-ethylhexyl) phthalate	**41**	*** B**	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
4-Bromophenyl phenyl ether	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Butyl benzyl phthalate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
4-Chloroaniline	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
4-Chloro-3-methylphenol	10	U *	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Chloronaphthalene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Chlorophenol	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
4-Chlorophenyl phenyl ether	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Chrysene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Diallate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Dibenz(a,h)anthracene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Dibenzofuran	10	U *	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,4-Dichlorobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10

Client Sample ID: MW-F12 (071911)
Date Collected: 07/19/11 14:38
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,2-Dichlorobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
3,3'-Dichlorobenzidine	200	U	200		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,4-Dichlorophenol	10	U *	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,6-Dichlorophenol	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Diethyl phthalate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Dimethoate	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
7,12-Dimethylbenz(a)anthracene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
3,3'-Dimethylbenzidine	200	U	200		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,4-Dimethylphenol	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
Dimethyl phthalate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Di-n-butyl phthalate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,3-Dinitrobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
4,6-Dinitro-2-methylphenol	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,4-Dinitrophenol	100	U	100		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,4-Dinitrotoluene	10	U *	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,6-Dinitrotoluene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Di-n-octyl phthalate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Dinoseb	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,4-Dioxane	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
Disulfoton	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Ethyl methanesulfonate	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
Ethyl Parathion	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
Famphur	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Fluoranthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Fluorene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Hexachlorobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Hexachlorobutadiene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Hexachlorocyclopentadiene	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
Hexachloroethane	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Hexachlorophene	5000	U	5000		ug/L		07/22/11 15:26	08/08/11 20:06	10
Hexachloropropene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Indeno[1,2,3-cd]pyrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Isophorone	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Isosafrole	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Methapyrilene	2000	U	2000		ug/L		07/22/11 15:26	08/08/11 20:06	10
3-Methylcholanthrene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Methyl methanesulfonate	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Methylnaphthalene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Methyl parathion	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Methylphenol	20	U *	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
3 & 4 Methylphenol	20	U *	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
Naphthalene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,4-Naphthoquinone	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
1-Naphthylamine	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Naphthylamine	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
4-Nitroaniline	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Nitroaniline	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
3-Nitroaniline	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
Nitrobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10

Client Sample ID: MW-F12 (071911)

Date Collected: 07/19/11 14:38
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-1

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Nitrophenol	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
4-Nitroquinoline-1-oxide	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitro-o-toluidine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosodiethylamine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosodimethylamine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosodi-n-butylamine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosodi-n-propylamine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosodiphenylamine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosomethylethylamine	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosomorpholine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosopiperidine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
N-Nitrosopyrrolidine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
o,o',o''-Triethylphosphorothioate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
p-Dimethylamino azobenzene	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
Pentachlorobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Pentachloronitrobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Pentachlorophenol	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
Phenacetin	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Phenanthrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Phenol	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Phorate	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Picoline	20	U	20		ug/L		07/22/11 15:26	08/08/11 20:06	10
p-Phenylene diamine	2000	U	2000		ug/L		07/22/11 15:26	08/08/11 20:06	10
Pronamide	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Pyrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 20:06	10
Pyridine	50	U	50		ug/L		07/22/11 15:26	08/08/11 20:06	10
Safrole, Total	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Sulfotepp	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,2,4,5-Tetrachlorobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,3,4,6-Tetrachlorophenol	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
Thionazin	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2-Toluidine	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,2,4-Trichlorobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,4,6-Trichlorophenol	10	U *	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
2,4,5-Trichlorophenol	10	U *	10		ug/L		07/22/11 15:26	08/08/11 20:06	10
1,3,5-Trinitrobenzene	10	U	10		ug/L		07/22/11 15:26	08/08/11 20:06	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*07/22/11 15:26*	*08/08/11 20:06*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*07/22/11 15:26*	*08/08/11 20:06*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*07/22/11 15:26*	*08/08/11 20:06*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*07/22/11 15:26*	*08/08/11 20:06*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*07/22/11 15:26*	*08/08/11 20:06*	*10*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*07/22/11 15:26*	*08/08/11 20:06*	*10*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F11 (071911)

Date Collected: 07/19/11 17:20
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 01:17	1
Acetonitrile	40	U	40		ug/L			07/24/11 01:17	1
Acrolein	20	U	20		ug/L			07/24/11 01:17	1
Acrylonitrile	20	U	20		ug/L			07/24/11 01:17	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 01:17	1
Benzene	1.0	U	1.0		ug/L			07/24/11 01:17	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 01:17	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
2-Butanone	10	U	10		ug/L			07/24/11 01:17	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 01:17	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 01:17	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:17	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 01:17	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 01:17	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 01:17	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:17	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 01:17	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 01:17	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 01:17	1
2-Hexanone	10	U	10		ug/L			07/24/11 01:17	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 01:17	1
Isobutanol	40	U	40		ug/L			07/24/11 01:17	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 01:17	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 01:17	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 01:17	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 01:17	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 01:17	1
Propionitrile	20	U	20		ug/L			07/24/11 01:17	1
Styrene	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 01:17	1
Toluene	1.0	U	1.0		ug/L			07/24/11 01:17	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 01:17	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 01:17	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 01:17	1

Client Sample ID: MW-F11 (071911)

Lab Sample ID: 680-70633-2

Date Collected: 07/19/11 17:20
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 01:17	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 01:17	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 01:17	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 01:17	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 01:17	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 01:17	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 01:17	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 01:17	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*07/24/11 01:17*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/24/11 01:17*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 01:17*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Acenaphthylene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Acetophenone	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Acetylaminofluorene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
alpha,alpha-Dimethyl phenethylamine	99	U	99		ug/L		07/22/11 15:26	08/09/11 17:07	10
4-Aminobiphenyl	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
Aniline	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
Anthracene	2.0	U *	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Aramite, Total	15	U	15		ug/L		07/22/11 15:26	08/09/11 17:07	10
Benzo[a]anthracene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Benzo[a]pyrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Benzo[b]fluoranthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Benzo[g,h,i]perylene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Benzo[k]fluoranthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Benzyl alcohol	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Bis(2-chloroethoxy)methane	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Bis(2-chloroethyl)ether	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
bis (2-chloroisopropyl) ether	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Bis(2-ethylhexyl) phthalate	**46**	**B ***	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
4-Bromophenyl phenyl ether	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Butyl benzyl phthalate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
4-Chloroaniline	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
4-Chloro-3-methylphenol	9.9	U *	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Chloronaphthalene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Chlorophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
4-Chlorophenyl phenyl ether	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Chrysene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Diallate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Dibenz(a,h)anthracene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Dibenzofuran	9.9	U *	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,4-Dichlorobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10

Client Sample ID: MW-F11 (071911)
Date Collected: 07/19/11 17:20
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-2
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,2-Dichlorobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
3,3'-Dichlorobenzidine	200	U	200		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,4-Dichlorophenol	9.9	U *	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,6-Dichlorophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Diethyl phthalate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Dimethoate	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
7,12-Dimethylbenz(a)anthracene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
3,3'-Dimethylbenzidine	200	U	200		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,4-Dimethylphenol	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
Dimethyl phthalate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Di-n-butyl phthalate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,3-Dinitrobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
4,6-Dinitro-2-methylphenol	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,4-Dinitrophenol	99	U	99		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,4-Dinitrotoluene	9.9	U *	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,6-Dinitrotoluene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Di-n-octyl phthalate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Dinoseb	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,4-Dioxane	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
Disulfoton	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Ethyl methanesulfonate	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
Ethyl Parathion	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
Famphur	9.9	U *	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Fluoranthene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Fluorene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Hexachlorobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Hexachlorobutadiene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Hexachlorocyclopentadiene	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
Hexachloroethane	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Hexachlorophene	5000	U *	5000		ug/L		07/22/11 15:26	08/09/11 17:07	10
Hexachloropropene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Indeno[1,2,3-cd]pyrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Isophorone	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Isosafrole	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Methapyrilene	2000	U	2000		ug/L		07/22/11 15:26	08/09/11 17:07	10
3-Methylcholanthrene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Methyl methanesulfonate	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Methylnaphthalene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Methyl parathion	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Methylphenol	20	U *	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
3 & 4 Methylphenol	20	U *	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
Naphthalene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,4-Naphthoquinone	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
1-Naphthylamine	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Naphthylamine	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
4-Nitroaniline	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Nitroaniline	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
3-Nitroaniline	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
Nitrobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10

Client Sample ID: MW-F11 (071911)
Date Collected: 07/19/11 17:20
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-2
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Nitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
4-Nitroquinoline-1-oxide	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitro-o-toluidine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosodiethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosodimethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosodi-n-butylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosodi-n-propylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosodiphenylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosomethylethylamine	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosomorpholine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosopiperidine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
N-Nitrosopyrrolidine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
o,o',o''-Triethylphosphorothioate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
p-Dimethylamino azobenzene	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
Pentachlorobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Pentachloronitrobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Pentachlorophenol	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
Phenacetin	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Phenanthrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Phenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Phorate	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Picoline	20	U	20		ug/L		07/22/11 15:26	08/09/11 17:07	10
p-Phenylene diamine	2000	U	2000		ug/L		07/22/11 15:26	08/09/11 17:07	10
Pronamide	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Pyrene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 17:07	10
Pyridine	50	U	50		ug/L		07/22/11 15:26	08/09/11 17:07	10
Safrole, Total	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Sulfotepp	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,2,4,5-Tetrachlorobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,3,4,6-Tetrachlorophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
Thionazin	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2-Toluidine	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,2,4-Trichlorobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,4,6-Trichlorophenol	9.9	U *	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
2,4,5-Trichlorophenol	9.9	U *	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10
1,3,5-Trinitrobenzene	9.9	U	9.9		ug/L		07/22/11 15:26	08/09/11 17:07	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*07/22/11 15:26*	*08/09/11 17:07*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*07/22/11 15:26*	*08/09/11 17:07*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*07/22/11 15:26*	*08/09/11 17:07*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*07/22/11 15:26*	*08/09/11 17:07*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*07/22/11 15:26*	*08/09/11 17:07*	*10*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*07/22/11 15:26*	*08/09/11 17:07*	*10*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F6 (072011)
Date Collected: 07/20/11 07:53
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 04:45	1
Acetonitrile	40	U	40		ug/L			07/24/11 04:45	1
Acrolein	20	U	20		ug/L			07/24/11 04:45	1
Acrylonitrile	20	U	20		ug/L			07/24/11 04:45	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 04:45	1
Benzene	1.0	U	1.0		ug/L			07/24/11 04:45	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 04:45	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
2-Butanone	10	U	10		ug/L			07/24/11 04:45	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 04:45	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 04:45	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:45	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 04:45	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 04:45	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 04:45	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:45	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 04:45	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 04:45	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 04:45	1
2-Hexanone	10	U	10		ug/L			07/24/11 04:45	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 04:45	1
Isobutanol	40	U	40		ug/L			07/24/11 04:45	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 04:45	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 04:45	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 04:45	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 04:45	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 04:45	1
Propionitrile	20	U	20		ug/L			07/24/11 04:45	1
Styrene	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 04:45	1
Toluene	1.0	U	1.0		ug/L			07/24/11 04:45	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 04:45	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 04:45	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 04:45	1

Client Sample ID: MW-F6 (072011)

Date Collected: 07/20/11 07:53
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 04:45	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 04:45	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 04:45	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 04:45	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 04:45	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 04:45	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 04:45	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 04:45	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*07/24/11 04:45*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*07/24/11 04:45*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*07/24/11 04:45*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Acetophenone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/22/11 15:26	08/03/11 17:24	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/03/11 17:24	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Bis(2-ethylhexyl) phthalate	**24**	**B ***	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
4-Chloro-3-methylphenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Diallate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Dibenzofuran	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1

Client Sample ID: MW-F6 (072011)
Date Collected: 07/20/11 07:53
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-3
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,4-Dichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,4-Dinitrophenol	10	U	10		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,4-Dinitrotoluene	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Disulfoton	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Famphur	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Hexachloroethane	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/03/11 17:24	1
Hexachloropropene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Isophorone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Isosafrole	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/03/11 17:24	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Methyl parathion	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Nitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1

Client Sample ID: MW-F6 (072011)

Date Collected: 07/20/11 07:53
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-3

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Phenacetin	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Phenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Phorate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/03/11 17:24	1
Pronamide	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 17:24	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Safrole, Total	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Sulfotepp	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
Thionazin	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2-Toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,4,6-Trichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
2,4,5-Trichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 17:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*40*		*27 - 130*	*07/22/11 15:26*	*08/03/11 17:24*	*1*
Nitrobenzene-d5 (Surr)	*47*		*32 - 130*	*07/22/11 15:26*	*08/03/11 17:24*	*1*
Terphenyl-d14 (Surr)	*61*		*36 - 130*	*07/22/11 15:26*	*08/03/11 17:24*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*30 - 130*	*07/22/11 15:26*	*08/03/11 17:24*	*1*
2-Fluorophenol (Surr)	*42*		*25 - 130*	*07/22/11 15:26*	*08/03/11 17:24*	*1*
2-Fluorobiphenyl	*44*		*34 - 130*	*07/22/11 15:26*	*08/03/11 17:24*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F5 (072011)
Date Collected: 07/20/11 09:13
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 02:40	1
Acetonitrile	40	U	40		ug/L			07/24/11 02:40	1
Acrolein	20	U	20		ug/L			07/24/11 02:40	1
Acrylonitrile	20	U	20		ug/L			07/24/11 02:40	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 02:40	1
Benzene	1.0	U	1.0		ug/L			07/24/11 02:40	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 02:40	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
2-Butanone	10	U	10		ug/L			07/24/11 02:40	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 02:40	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 02:40	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:40	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 02:40	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 02:40	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 02:40	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:40	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 02:40	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 02:40	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 02:40	1
2-Hexanone	10	U	10		ug/L			07/24/11 02:40	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 02:40	1
Isobutanol	40	U	40		ug/L			07/24/11 02:40	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 02:40	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 02:40	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 02:40	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 02:40	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 02:40	1
Propionitrile	20	U	20		ug/L			07/24/11 02:40	1
Styrene	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 02:40	1
Toluene	1.0	U	1.0		ug/L			07/24/11 02:40	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 02:40	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 02:40	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 02:40	1

Client Sample ID: MW-F5 (072011)

Lab Sample ID: 680-70633-4

Date Collected: 07/20/11 09:13
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 02:40	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 02:40	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 02:40	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 02:40	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 02:40	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 02:40	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 02:40	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 02:40	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*07/24/11 02:40*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*07/24/11 02:40*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 02:40*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**4.9**		0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Acenaphthylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Acetophenone	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Acetylaminofluorene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
alpha,alpha-Dimethyl phenethylamine	9.7	U	9.7		ug/L		07/22/11 15:26	08/03/11 17:50	1
4-Aminobiphenyl	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
Aniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
Anthracene	0.19	U *	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/03/11 17:50	1
Benzo[a]anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Benzo[a]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Benzo[b]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Benzo[g,h,i]perylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Benzo[k]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Benzyl alcohol	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Bis(2-chloroethoxy)methane	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Bis(2-chloroethyl)ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
bis (2-chloroisopropyl) ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Bis(2-ethylhexyl) phthalate	**22**	**B ***	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
4-Bromophenyl phenyl ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Butyl benzyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
4-Chloroaniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
4-Chloro-3-methylphenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Chloronaphthalene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Chlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
4-Chlorophenyl phenyl ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Chrysene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Diallate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Dibenz(a,h)anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Dibenzofuran	0.97	U *	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,4-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1

Client Sample ID: MW-F5 (072011)
Date Collected: 07/20/11 09:13
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-4
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,2-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
3,3'-Dichlorobenzidine	19	U	19		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,4-Dichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,6-Dichlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Diethyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Dimethoate	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
7,12-Dimethylbenz(a)anthracene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
3,3'-Dimethylbenzidine	19	U	19		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,4-Dimethylphenol	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
Dimethyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Di-n-butyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,3-Dinitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,4-Dinitrophenol	9.7	U	9.7		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,4-Dinitrotoluene	0.97	U *	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,6-Dinitrotoluene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Di-n-octyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Dinoseb	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,4-Dioxane	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
Disulfoton	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Ethyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
Ethyl Parathion	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
Famphur	0.97	U *	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Fluorene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Hexachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Hexachlorobutadiene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Hexachlorocyclopentadiene	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
Hexachloroethane	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Hexachlorophene	480	U *	480		ug/L		07/22/11 15:26	08/03/11 17:50	1
Hexachloropropene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Isophorone	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Isosafrole	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Methapyrilene	190	U	190		ug/L		07/22/11 15:26	08/03/11 17:50	1
3-Methylcholanthrene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Methyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Methylnaphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Methyl parathion	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
3 & 4 Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
Naphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,4-Naphthoquinone	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
1-Naphthylamine	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Naphthylamine	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
4-Nitroaniline	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Nitroaniline	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
3-Nitroaniline	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
Nitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1

Client Sample ID: MW-F5 (072011)

Date Collected: 07/20/11 09:13
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-4

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Nitrophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
4-Nitroquinoline-1-oxide	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitro-o-toluidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosodiethylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosodimethylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosodi-n-butylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosodi-n-propylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosodiphenylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosomethylethylamine	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosomorpholine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosopiperidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
N-Nitrosopyrrolidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
o,o',o''-Triethylphosphorothioate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
p-Dimethylamino azobenzene	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
Pentachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Pentachloronitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Pentachlorophenol	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
Phenacetin	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Phenanthrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Phenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Phorate	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Picoline	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 17:50	1
p-Phenylene diamine	190	U	190		ug/L		07/22/11 15:26	08/03/11 17:50	1
Pronamide	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 17:50	1
Pyridine	4.8	U	4.8		ug/L		07/22/11 15:26	08/03/11 17:50	1
Safrole, Total	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Sulfotepp	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,2,4,5-Tetrachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,3,4,6-Tetrachlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
Thionazin	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2-Toluidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,2,4-Trichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,4,6-Trichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
2,4,5-Trichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1
1,3,5-Trinitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/03/11 17:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*40*		*27 - 130*	*07/22/11 15:26*	*08/03/11 17:50*	*1*
Nitrobenzene-d5 (Surr)	*45*		*32 - 130*	*07/22/11 15:26*	*08/03/11 17:50*	*1*
Terphenyl-d14 (Surr)	*56*		*36 - 130*	*07/22/11 15:26*	*08/03/11 17:50*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*30 - 130*	*07/22/11 15:26*	*08/03/11 17:50*	*1*
2-Fluorophenol (Surr)	*41*		*25 - 130*	*07/22/11 15:26*	*08/03/11 17:50*	*1*
2-Fluorobiphenyl	*41*		*34 - 130*	*07/22/11 15:26*	*08/03/11 17:50*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F3R (072011)

Lab Sample ID: 680-70633-5

Date Collected: 07/20/11 10:27
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 05:06	1
Acetonitrile	40	U	40		ug/L			07/24/11 05:06	1
Acrolein	20	U	20		ug/L			07/24/11 05:06	1
Acrylonitrile	20	U	20		ug/L			07/24/11 05:06	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 05:06	1
Benzene	1.0	U	1.0		ug/L			07/24/11 05:06	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 05:06	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
2-Butanone	10	U	10		ug/L			07/24/11 05:06	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 05:06	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 05:06	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:06	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 05:06	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 05:06	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 05:06	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:06	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 05:06	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 05:06	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 05:06	1
2-Hexanone	10	U	10		ug/L			07/24/11 05:06	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 05:06	1
Isobutanol	40	U	40		ug/L			07/24/11 05:06	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 05:06	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 05:06	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 05:06	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 05:06	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 05:06	1
Propionitrile	20	U	20		ug/L			07/24/11 05:06	1
Styrene	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 05:06	1
Toluene	1.0	U	1.0		ug/L			07/24/11 05:06	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 05:06	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 05:06	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 05:06	1

Client Sample ID: MW-F3R (072011)

Lab Sample ID: 680-70633-5

Date Collected: 07/20/11 10:27
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 05:06	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 05:06	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 05:06	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 05:06	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 05:06	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 05:06	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 05:06	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 05:06	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*07/24/11 05:06*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/24/11 05:06*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*07/24/11 05:06*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.43**		0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Acenaphthylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Acetophenone	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Acetylaminofluorene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
alpha,alpha-Dimethyl phenethylamine	9.5	U	9.5		ug/L		07/22/11 15:26	08/03/11 18:16	1
4-Aminobiphenyl	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
Aniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
Anthracene	0.19	U *	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Aramite, Total	1.4	U	1.4		ug/L		07/22/11 15:26	08/03/11 18:16	1
Benzo[a]anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Benzo[a]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Benzo[b]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Benzo[g,h,i]perylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Benzo[k]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Benzyl alcohol	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Bis(2-chloroethoxy)methane	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Bis(2-chloroethyl)ether	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
bis (2-chloroisopropyl) ether	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Bis(2-ethylhexyl) phthalate	**2.5**	**B ***	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
4-Bromophenyl phenyl ether	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Butyl benzyl phthalate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
4-Chloroaniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
4-Chloro-3-methylphenol	0.95	U *	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Chloronaphthalene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Chlorophenol	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
4-Chlorophenyl phenyl ether	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Chrysene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Diallate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Dibenz(a,h)anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Dibenzofuran	0.95	U *	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,4-Dichlorobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1

Client Sample ID: MW-F3R (072011)
Date Collected: 07/20/11 10:27
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-5
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,2-Dichlorobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
3,3'-Dichlorobenzidine	19	U	19		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,4-Dichlorophenol	0.95	U *	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,6-Dichlorophenol	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Diethyl phthalate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Dimethoate	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
7,12-Dimethylbenz(a)anthracene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
3,3'-Dimethylbenzidine	19	U	19		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,4-Dimethylphenol	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
Dimethyl phthalate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Di-n-butyl phthalate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,3-Dinitrobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
4,6-Dinitro-2-methylphenol	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,4-Dinitrophenol	9.5	U	9.5		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,4-Dinitrotoluene	0.95	U *	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,6-Dinitrotoluene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Di-n-octyl phthalate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Dinoseb	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,4-Dioxane	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
Disulfoton	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Ethyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
Ethyl Parathion	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
Famphur	0.95	U *	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Fluorene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Hexachlorobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Hexachlorobutadiene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Hexachlorocyclopentadiene	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
Hexachloroethane	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Hexachlorophene	470	U *	470		ug/L		07/22/11 15:26	08/03/11 18:16	1
Hexachloropropene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Isophorone	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Isosafrole	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Methapyrilene	190	U	190		ug/L		07/22/11 15:26	08/03/11 18:16	1
3-Methylcholanthrene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Methyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Methylnaphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Methyl parathion	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
3 & 4 Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
Naphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,4-Naphthoquinone	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
1-Naphthylamine	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Naphthylamine	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
4-Nitroaniline	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Nitroaniline	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
3-Nitroaniline	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
Nitrobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1

Client Sample ID: MW-F3R (072011)

Date Collected: 07/20/11 10:27
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-5

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Nitrophenol	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
4-Nitroquinoline-1-oxide	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitro-o-toluidine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosodiethylamine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosodimethylamine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosodi-n-butylamine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosodi-n-propylamine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosodiphenylamine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosomethylethylamine	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosomorpholine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosopiperidine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
N-Nitrosopyrrolidine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
o,o',o''-Triethylphosphorothioate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
p-Dimethylamino azobenzene	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
Pentachlorobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Pentachloronitrobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Pentachlorophenol	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
Phenacetin	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Phenanthrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Phenol	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Phorate	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Picoline	1.9	U	1.9		ug/L		07/22/11 15:26	08/03/11 18:16	1
p-Phenylene diamine	190	U	190		ug/L		07/22/11 15:26	08/03/11 18:16	1
Pronamide	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/03/11 18:16	1
Pyridine	4.7	U	4.7		ug/L		07/22/11 15:26	08/03/11 18:16	1
Safrole, Total	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Sulfotepp	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,2,4,5-Tetrachlorobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,3,4,6-Tetrachlorophenol	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
Thionazin	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2-Toluidine	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,2,4-Trichlorobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,4,6-Trichlorophenol	0.95	U *	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
2,4,5-Trichlorophenol	0.95	U *	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1
1,3,5-Trinitrobenzene	0.95	U	0.95		ug/L		07/22/11 15:26	08/03/11 18:16	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*45*		*27 - 130*	*07/22/11 15:26*	*08/03/11 18:16*	*1*
Nitrobenzene-d5 (Surr)	*47*		*32 - 130*	*07/22/11 15:26*	*08/03/11 18:16*	*1*
Terphenyl-d14 (Surr)	*61*		*36 - 130*	*07/22/11 15:26*	*08/03/11 18:16*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*30 - 130*	*07/22/11 15:26*	*08/03/11 18:16*	*1*
2-Fluorophenol (Surr)	*43*		*25 - 130*	*07/22/11 15:26*	*08/03/11 18:16*	*1*
2-Fluorobiphenyl	*44*		*34 - 130*	*07/22/11 15:26*	*08/03/11 18:16*	*1*

Client Sample ID: MW-F16 (072011)

Lab Sample ID: 680-70633-6

Date Collected: 07/20/11 13:12

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 03:01	1
Acetonitrile	40	U	40		ug/L			07/24/11 03:01	1
Acrolein	20	U	20		ug/L			07/24/11 03:01	1
Acrylonitrile	20	U	20		ug/L			07/24/11 03:01	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 03:01	1
Benzene	1.0	U	1.0		ug/L			07/24/11 03:01	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 03:01	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
2-Butanone	10	U	10		ug/L			07/24/11 03:01	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 03:01	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 03:01	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:01	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 03:01	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 03:01	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 03:01	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:01	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 03:01	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 03:01	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 03:01	1
2-Hexanone	10	U	10		ug/L			07/24/11 03:01	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 03:01	1
Isobutanol	40	U	40		ug/L			07/24/11 03:01	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 03:01	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 03:01	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 03:01	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 03:01	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 03:01	1
Propionitrile	20	U	20		ug/L			07/24/11 03:01	1
Styrene	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 03:01	1
Toluene	1.0	U	1.0		ug/L			07/24/11 03:01	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 03:01	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 03:01	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 03:01	1

Client Sample ID: MW-F16 (072011)

Date Collected: 07/20/11 13:12
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 03:01	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 03:01	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 03:01	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 03:01	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 03:01	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 03:01	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 03:01	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 03:01	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*07/24/11 03:01*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/24/11 03:01*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*07/24/11 03:01*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Acetophenone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/03/11 18:42	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/03/11 18:42	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Bis(2-ethylhexyl) phthalate	**23**	**B ***	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
4-Chloro-3-methylphenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Diallate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Dibenzofuran	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1

Client Sample ID: MW-F16 (072011)
Date Collected: 07/20/11 13:12
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-6
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,4-Dichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,4-Dinitrotoluene	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Disulfoton	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Famphur	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Hexachloroethane	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/03/11 18:42	1
Hexachloropropene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Isophorone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Isosafrole	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/03/11 18:42	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Methyl parathion	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Nitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1

Client Sample ID: MW-F16 (072011)
Date Collected: 07/20/11 13:12
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-6
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Phenacetin	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Phenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Phorate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/03/11 18:42	1
Pronamide	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 18:42	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 18:42	1
Safrole, Total	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Sulfotepp	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
Thionazin	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2-Toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,4,6-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
2,4,5-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 18:42	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*42*		*27 - 130*	*07/22/11 15:26*	*08/03/11 18:42*	*1*
Nitrobenzene-d5 (Surr)	*49*		*32 - 130*	*07/22/11 15:26*	*08/03/11 18:42*	*1*
Terphenyl-d14 (Surr)	*60*		*36 - 130*	*07/22/11 15:26*	*08/03/11 18:42*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*30 - 130*	*07/22/11 15:26*	*08/03/11 18:42*	*1*
2-Fluorophenol (Surr)	*46*		*25 - 130*	*07/22/11 15:26*	*08/03/11 18:42*	*1*
2-Fluorobiphenyl	*42*		*34 - 130*	*07/22/11 15:26*	*08/03/11 18:42*	*1*

Client Sample ID: MW-25 (072011)

Lab Sample ID: 680-70633-7

Date Collected: 07/20/11 14:38

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 05:27	1
Acetonitrile	40	U	40		ug/L			07/24/11 05:27	1
Acrolein	20	U	20		ug/L			07/24/11 05:27	1
Acrylonitrile	20	U	20		ug/L			07/24/11 05:27	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 05:27	1
Benzene	1.0	U	1.0		ug/L			07/24/11 05:27	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 05:27	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
2-Butanone	10	U	10		ug/L			07/24/11 05:27	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 05:27	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 05:27	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:27	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 05:27	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 05:27	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 05:27	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:27	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 05:27	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 05:27	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 05:27	1
2-Hexanone	10	U	10		ug/L			07/24/11 05:27	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 05:27	1
Isobutanol	40	U	40		ug/L			07/24/11 05:27	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 05:27	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 05:27	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 05:27	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 05:27	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 05:27	1
Propionitrile	20	U	20		ug/L			07/24/11 05:27	1
Styrene	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 05:27	1
Toluene	1.0	U	1.0		ug/L			07/24/11 05:27	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 05:27	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 05:27	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 05:27	1

Client Sample ID: MW-25 (072011)

Date Collected: 07/20/11 14:38
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 05:27	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 05:27	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 05:27	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 05:27	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 05:27	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 05:27	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 05:27	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 05:27	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*07/24/11 05:27*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/24/11 05:27*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 05:27*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Acetophenone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/22/11 15:26	08/03/11 19:07	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/03/11 19:07	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Bis(2-ethylhexyl) phthalate	**20**	**B ***	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
4-Chloro-3-methylphenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Diallate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Dibenzofuran	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1

Client Sample ID: MW-25 (072011)
Date Collected: 07/20/11 14:38
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-7
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,4-Dichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,4-Dinitrophenol	10	U	10		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,4-Dinitrotoluene	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Disulfoton	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Famphur	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Hexachloroethane	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/03/11 19:07	1
Hexachloropropene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Isophorone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Isosafrole	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/03/11 19:07	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Methyl parathion	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Nitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1

Client Sample ID: MW-25 (072011)

Date Collected: 07/20/11 14:38
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-7

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Phenacetin	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Phenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Phorate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/03/11 19:07	1
Pronamide	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:07	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Safrole, Total	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Sulfotepp	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
Thionazin	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2-Toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,4,6-Trichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
2,4,5-Trichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 19:07	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*33*		*27 - 130*	*07/22/11 15:26*	*08/03/11 19:07*	*1*
Nitrobenzene-d5 (Surr)	*39*		*32 - 130*	*07/22/11 15:26*	*08/03/11 19:07*	*1*
Terphenyl-d14 (Surr)	*56*		*36 - 130*	*07/22/11 15:26*	*08/03/11 19:07*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*30 - 130*	*07/22/11 15:26*	*08/03/11 19:07*	*1*
2-Fluorophenol (Surr)	*35*		*25 - 130*	*07/22/11 15:26*	*08/03/11 19:07*	*1*
2-Fluorobiphenyl	*32*	*X*	*34 - 130*	*07/22/11 15:26*	*08/03/11 19:07*	*1*

Client Sample ID: MWD-25 (072011)

Lab Sample ID: 680-70633-8

Date Collected: 07/20/11 15:47

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 05:48	1
Acetonitrile	40	U	40		ug/L			07/24/11 05:48	1
Acrolein	20	U	20		ug/L			07/24/11 05:48	1
Acrylonitrile	20	U	20		ug/L			07/24/11 05:48	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 05:48	1
Benzene	1.0	U	1.0		ug/L			07/24/11 05:48	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 05:48	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
2-Butanone	10	U	10		ug/L			07/24/11 05:48	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 05:48	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 05:48	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:48	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 05:48	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 05:48	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 05:48	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:48	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 05:48	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 05:48	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 05:48	1
2-Hexanone	10	U	10		ug/L			07/24/11 05:48	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 05:48	1
Isobutanol	40	U	40		ug/L			07/24/11 05:48	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 05:48	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 05:48	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 05:48	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 05:48	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 05:48	1
Propionitrile	20	U	20		ug/L			07/24/11 05:48	1
Styrene	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 05:48	1
Toluene	1.0	U	1.0		ug/L			07/24/11 05:48	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 05:48	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 05:48	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 05:48	1

Client Sample ID: MWD-25 (072011)

Lab Sample ID: 680-70633-8

Date Collected: 07/20/11 15:47
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 05:48	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 05:48	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 05:48	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 05:48	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 05:48	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 05:48	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 05:48	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 05:48	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*07/24/11 05:48*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/24/11 05:48*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*07/24/11 05:48*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Acetophenone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/03/11 19:33	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/03/11 19:33	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Bis(2-ethylhexyl) phthalate	**18**	**B ***	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
4-Chloro-3-methylphenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Diallate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Dibenzofuran	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1

Client Sample ID: MWD-25 (072011)
Date Collected: 07/20/11 15:47
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-8
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,4-Dichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,4-Dinitrotoluene	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Disulfoton	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Famphur	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Hexachloroethane	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/03/11 19:33	1
Hexachloropropene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Isophorone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Isosafrole	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/03/11 19:33	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Methyl parathion	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Nitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1

Client Sample ID: MWD-25 (072011)

Lab Sample ID: 680-70633-8

Date Collected: 07/20/11 15:47
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Phenacetin	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Phenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Phorate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/03/11 19:33	1
Pronamide	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:33	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 19:33	1
Safrole, Total	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Sulfotepp	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
Thionazin	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2-Toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,4,6-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
2,4,5-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:33	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*33*		*27 - 130*	*07/22/11 15:26*	*08/03/11 19:33*	*1*
Nitrobenzene-d5 (Surr)	*35*		*32 - 130*	*07/22/11 15:26*	*08/03/11 19:33*	*1*
Terphenyl-d14 (Surr)	*53*		*36 - 130*	*07/22/11 15:26*	*08/03/11 19:33*	*1*
2,4,6-Tribromophenol (Surr)	*46*		*30 - 130*	*07/22/11 15:26*	*08/03/11 19:33*	*1*
2-Fluorophenol (Surr)	*33*		*25 - 130*	*07/22/11 15:26*	*08/03/11 19:33*	*1*
2-Fluorobiphenyl	*31*	*X*	*34 - 130*	*07/22/11 15:26*	*08/03/11 19:33*	*1*

Client Sample ID: MW-F2 (071911)

Lab Sample ID: 680-70633-9

Date Collected: 07/19/11 16:45

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 01:38	1
Acetonitrile	40	U	40		ug/L			07/24/11 01:38	1
Acrolein	20	U	20		ug/L			07/24/11 01:38	1
Acrylonitrile	20	U	20		ug/L			07/24/11 01:38	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 01:38	1
Benzene	1.0	U	1.0		ug/L			07/24/11 01:38	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 01:38	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
2-Butanone	10	U	10		ug/L			07/24/11 01:38	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 01:38	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 01:38	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:38	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 01:38	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 01:38	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 01:38	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:38	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 01:38	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 01:38	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 01:38	1
2-Hexanone	10	U	10		ug/L			07/24/11 01:38	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 01:38	1
Isobutanol	40	U	40		ug/L			07/24/11 01:38	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 01:38	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 01:38	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 01:38	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 01:38	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 01:38	1
Propionitrile	20	U	20		ug/L			07/24/11 01:38	1
Styrene	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 01:38	1
Toluene	1.0	U	1.0		ug/L			07/24/11 01:38	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 01:38	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 01:38	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 01:38	1

Client Sample ID: MW-F2 (071911)

Lab Sample ID: 680-70633-9

Date Collected: 07/19/11 16:45
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 01:38	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 01:38	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 01:38	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 01:38	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 01:38	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 01:38	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 01:38	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 01:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*07/24/11 01:38*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/24/11 01:38*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*07/24/11 01:38*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Acetophenone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/03/11 19:59	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Bis(2-ethylhexyl) phthalate	**18**	**B ***	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
4-Chloro-3-methylphenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Diallate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Dibenzofuran	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1

Client Sample ID: MW-F2 (071911)
Date Collected: 07/19/11 16:45
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-9
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,4-Dichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,4-Dinitrotoluene	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
Disulfoton	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
Famphur	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
Hexachloroethane	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Hexachlorophene	490	U *	490		ug/L		07/22/11 15:26	08/03/11 19:59	1
Hexachloropropene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Isophorone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Isosafrole	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/03/11 19:59	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Methyl parathion	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
Nitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1

Client Sample ID: MW-F2 (071911)

Lab Sample ID: 680-70633-9

Date Collected: 07/19/11 16:45
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
Phenacetin	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Phenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Phorate	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 19:59	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/03/11 19:59	1
Pronamide	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 19:59	1
Pyridine	4.9	U	4.9		ug/L		07/22/11 15:26	08/03/11 19:59	1
Safrole, Total	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Sulfotepp	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
Thionazin	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2-Toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,4,6-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
2,4,5-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/03/11 19:59	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*41*		*27 - 130*	*07/22/11 15:26*	*08/03/11 19:59*	*1*
Nitrobenzene-d5 (Surr)	*44*		*32 - 130*	*07/22/11 15:26*	*08/03/11 19:59*	*1*
Terphenyl-d14 (Surr)	*58*		*36 - 130*	*07/22/11 15:26*	*08/03/11 19:59*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*30 - 130*	*07/22/11 15:26*	*08/03/11 19:59*	*1*
2-Fluorophenol (Surr)	*39*		*25 - 130*	*07/22/11 15:26*	*08/03/11 19:59*	*1*
2-Fluorobiphenyl	*39*		*34 - 130*	*07/22/11 15:26*	*08/03/11 19:59*	*1*

Client Sample ID: MW-F19 (071911)

Lab Sample ID: 680-70633-10

Date Collected: 07/19/11 13:05
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 01:59	1
Acetonitrile	40	U	40		ug/L			07/24/11 01:59	1
Acrolein	20	U	20		ug/L			07/24/11 01:59	1
Acrylonitrile	20	U	20		ug/L			07/24/11 01:59	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 01:59	1
Benzene	1.0	U	1.0		ug/L			07/24/11 01:59	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 01:59	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
2-Butanone	10	U	10		ug/L			07/24/11 01:59	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 01:59	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 01:59	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:59	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 01:59	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 01:59	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 01:59	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:59	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 01:59	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 01:59	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 01:59	1
2-Hexanone	10	U	10		ug/L			07/24/11 01:59	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 01:59	1
Isobutanol	40	U	40		ug/L			07/24/11 01:59	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 01:59	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 01:59	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 01:59	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 01:59	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 01:59	1
Propionitrile	20	U	20		ug/L			07/24/11 01:59	1
Styrene	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 01:59	1
Toluene	1.0	U	1.0		ug/L			07/24/11 01:59	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 01:59	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 01:59	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 01:59	1

Client Sample ID: MW-F19 (071911)

Lab Sample ID: 680-70633-10

Date Collected: 07/19/11 13:05
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 01:59	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 01:59	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 01:59	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 01:59	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 01:59	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 01:59	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 01:59	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 01:59	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*07/24/11 01:59*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/24/11 01:59*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*07/24/11 01:59*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Acetophenone	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Acetylaminofluorene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
alpha,alpha-Dimethyl phenethylamine	9.8	U	9.8		ug/L		07/22/11 15:26	08/09/11 16:38	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/09/11 16:38	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Benzyl alcohol	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Bis(2-chloroethoxy)methane	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Bis(2-chloroethyl)ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
bis (2-chloroisopropyl) ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Bis(2-ethylhexyl) phthalate	**19**	**B ***	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
4-Bromophenyl phenyl ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Butyl benzyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
4-Chloro-3-methylphenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Chloronaphthalene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Chlorophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
4-Chlorophenyl phenyl ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Diallate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Dibenzofuran	0.98	U *	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,4-Dichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1

Client Sample ID: MW-F19 (071911)
Date Collected: 07/19/11 13:05
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-10
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,2-Dichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,4-Dichlorophenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,6-Dichlorophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Diethyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
7,12-Dimethylbenz(a)anthracene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
Dimethyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Di-n-butyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,3-Dinitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,4-Dinitrophenol	9.8	U	9.8		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,4-Dinitrotoluene	0.98	U *	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,6-Dinitrotoluene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Di-n-octyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
Disulfoton	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
Famphur	0.98	U *	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Hexachlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Hexachlorobutadiene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
Hexachloroethane	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Hexachlorophene	490	U *	490		ug/L		07/22/11 15:26	08/09/11 16:38	1
Hexachloropropene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Isophorone	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Isosafrole	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/09/11 16:38	1
3-Methylcholanthrene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Methyl parathion	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,4-Naphthoquinone	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Nitroaniline	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
Nitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1

Client Sample ID: MW-F19 (071911)
Date Collected: 07/19/11 13:05
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-10
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Nitrophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitro-o-toluidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosodiethylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosodimethylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosodi-n-butylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosodi-n-propylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosodiphenylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosomorpholine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosopiperidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
N-Nitrosopyrrolidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
o,o',o''-Triethylphosphorothioate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
Pentachlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Pentachloronitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
Phenacetin	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Phenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Phorate	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/09/11 16:38	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/09/11 16:38	1
Pronamide	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/09/11 16:38	1
Pyridine	4.9	U	4.9		ug/L		07/22/11 15:26	08/09/11 16:38	1
Safrole, Total	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Sulfotepp	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,2,4,5-Tetrachlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,3,4,6-Tetrachlorophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
Thionazin	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2-Toluidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,2,4-Trichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,4,6-Trichlorophenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
2,4,5-Trichlorophenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1
1,3,5-Trinitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/09/11 16:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*44*		*27 - 130*	*07/22/11 15:26*	*08/09/11 16:38*	*1*
Nitrobenzene-d5 (Surr)	*47*		*32 - 130*	*07/22/11 15:26*	*08/09/11 16:38*	*1*
Terphenyl-d14 (Surr)	*54*		*36 - 130*	*07/22/11 15:26*	*08/09/11 16:38*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*30 - 130*	*07/22/11 15:26*	*08/09/11 16:38*	*1*
2-Fluorophenol (Surr)	*47*		*25 - 130*	*07/22/11 15:26*	*08/09/11 16:38*	*1*
2-Fluorobiphenyl	*45*		*34 - 130*	*07/22/11 15:26*	*08/09/11 16:38*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F1 (071911)

Lab Sample ID: 680-70633-11

Date Collected: 07/19/11 15:25
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 02:20	1
Acetonitrile	40	U	40		ug/L			07/24/11 02:20	1
Acrolein	20	U	20		ug/L			07/24/11 02:20	1
Acrylonitrile	20	U	20		ug/L			07/24/11 02:20	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 02:20	1
Benzene	1.0	U	1.0		ug/L			07/24/11 02:20	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 02:20	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
2-Butanone	10	U	10		ug/L			07/24/11 02:20	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 02:20	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 02:20	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:20	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 02:20	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 02:20	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 02:20	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:20	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 02:20	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 02:20	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 02:20	1
2-Hexanone	10	U	10		ug/L			07/24/11 02:20	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 02:20	1
Isobutanol	40	U	40		ug/L			07/24/11 02:20	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 02:20	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 02:20	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 02:20	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 02:20	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 02:20	1
Propionitrile	20	U	20		ug/L			07/24/11 02:20	1
Styrene	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 02:20	1
Toluene	1.0	U	1.0		ug/L			07/24/11 02:20	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 02:20	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 02:20	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 02:20	1

Client Sample ID: MW-F1 (071911)

Lab Sample ID: 680-70633-11

Date Collected: 07/19/11 15:25
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 02:20	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 02:20	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 02:20	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 02:20	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 02:20	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 02:20	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 02:20	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 02:20	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*07/24/11 02:20*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/24/11 02:20*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 02:20*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Acetophenone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 15:43	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 15:43	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Bis(2-ethylhexyl) phthalate	**22**	**B ***	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
4-Chloro-3-methylphenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Diallate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Dibenzofuran	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1

Client Sample ID: MW-F1 (071911)
Date Collected: 07/19/11 15:25
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-11
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,4-Dichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,4-Dinitrotoluene	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Disulfoton	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Famphur	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Hexachloroethane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/08/11 15:43	1
Hexachloropropene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Isophorone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Isosafrole	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/08/11 15:43	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Methyl parathion	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Nitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1

Client Sample ID: MW-F1 (071911)

Lab Sample ID: 680-70633-11

Date Collected: 07/19/11 15:25
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Phenacetin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Phenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Phorate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/08/11 15:43	1
Pronamide	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 15:43	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 15:43	1
Safrole, Total	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Sulfotepp	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
Thionazin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2-Toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,4,6-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
2,4,5-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 15:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*30*		*27 - 130*	*07/22/11 15:26*	*08/08/11 15:43*	*1*
Nitrobenzene-d5 (Surr)	*31*	*X*	*32 - 130*	*07/22/11 15:26*	*08/08/11 15:43*	*1*
Terphenyl-d14 (Surr)	*37*		*36 - 130*	*07/22/11 15:26*	*08/08/11 15:43*	*1*
2,4,6-Tribromophenol (Surr)	*33*		*30 - 130*	*07/22/11 15:26*	*08/08/11 15:43*	*1*
2-Fluorophenol (Surr)	*30*		*25 - 130*	*07/22/11 15:26*	*08/08/11 15:43*	*1*
2-Fluorobiphenyl	*29*	*X*	*34 - 130*	*07/22/11 15:26*	*08/08/11 15:43*	*1*

Client Sample ID: TB01 (072011)

Lab Sample ID: 680-70633-12

Date Collected: 07/20/11 12:00
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 03:22	1
Acetonitrile	40	U	40		ug/L			07/24/11 03:22	1
Acrolein	20	U	20		ug/L			07/24/11 03:22	1
Acrylonitrile	20	U	20		ug/L			07/24/11 03:22	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 03:22	1
Benzene	1.0	U	1.0		ug/L			07/24/11 03:22	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 03:22	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
2-Butanone	10	U	10		ug/L			07/24/11 03:22	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 03:22	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 03:22	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:22	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 03:22	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 03:22	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 03:22	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:22	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 03:22	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 03:22	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 03:22	1
2-Hexanone	10	U	10		ug/L			07/24/11 03:22	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 03:22	1
Isobutanol	40	U	40		ug/L			07/24/11 03:22	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 03:22	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 03:22	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 03:22	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 03:22	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 03:22	1
Propionitrile	20	U	20		ug/L			07/24/11 03:22	1
Styrene	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 03:22	1
Toluene	1.0	U	1.0		ug/L			07/24/11 03:22	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 03:22	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 03:22	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 03:22	1

Client Sample ID: TB01 (072011)

Lab Sample ID: 680-70633-12

Date Collected: 07/20/11 12:00

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 03:22	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 03:22	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 03:22	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 03:22	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 03:22	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 03:22	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 03:22	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 03:22	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*07/24/11 03:22*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*07/24/11 03:22*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 03:22*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-24 (072011)

Lab Sample ID: 680-70633-13

Date Collected: 07/20/11 08:25
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 14:03	1
Acetonitrile	40	U	40		ug/L			07/26/11 14:03	1
Acrolein	20	U	20		ug/L			07/26/11 14:03	1
Acrylonitrile	20	U	20		ug/L			07/26/11 14:03	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 14:03	1
Benzene	1.0	U	1.0		ug/L			07/26/11 14:03	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 14:03	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
2-Butanone	10	U	10		ug/L			07/26/11 14:03	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 14:03	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 14:03	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:03	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 14:03	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 14:03	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 14:03	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:03	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 14:03	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 14:03	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 14:03	1
2-Hexanone	10	U	10		ug/L			07/26/11 14:03	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 14:03	1
Isobutanol	40	U	40		ug/L			07/26/11 14:03	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 14:03	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 14:03	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 14:03	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 14:03	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 14:03	1
Propionitrile	20	U	20		ug/L			07/26/11 14:03	1
Styrene	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 14:03	1
Toluene	1.0	U	1.0		ug/L			07/26/11 14:03	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 14:03	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 14:03	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 14:03	1

Client Sample ID: MW-24 (072011)

Date Collected: 07/20/11 08:25
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U *	1.0		ug/L			07/26/11 14:03	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 14:03	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 14:03	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 14:03	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 14:03	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 14:03	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 14:03	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/26/11 14:03	1
o-Xylene	1.0	U	1.0		ug/L			07/26/11 14:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/26/11 14:03*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*07/26/11 14:03*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/26/11 14:03*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Acetophenone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 16:10	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 16:10	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Bis(2-ethylhexyl) phthalate	**30**	**B ***	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
4-Chloro-3-methylphenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Diallate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Dibenzofuran	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1

Client Sample ID: MW-24 (072011)
Date Collected: 07/20/11 08:25
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-13
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,4-Dichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,4-Dinitrotoluene	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Disulfoton	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Famphur	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Hexachloroethane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/08/11 16:10	1
Hexachloropropene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Isophorone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Isosafrole	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/08/11 16:10	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Methyl parathion	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Nitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1

Client Sample ID: MW-24 (072011)

Date Collected: 07/20/11 08:25
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-13

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Phenacetin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Phenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Phorate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/08/11 16:10	1
Pronamide	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:10	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:10	1
Safrole, Total	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Sulfotepp	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
Thionazin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2-Toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,4,6-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
2,4,5-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 16:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*43*		*27 - 130*	*07/22/11 15:26*	*08/08/11 16:10*	*1*
Nitrobenzene-d5 (Surr)	*49*		*32 - 130*	*07/22/11 15:26*	*08/08/11 16:10*	*1*
Terphenyl-d14 (Surr)	*49*		*36 - 130*	*07/22/11 15:26*	*08/08/11 16:10*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*30 - 130*	*07/22/11 15:26*	*08/08/11 16:10*	*1*
2-Fluorophenol (Surr)	*45*		*25 - 130*	*07/22/11 15:26*	*08/08/11 16:10*	*1*
2-Fluorobiphenyl	*42*		*34 - 130*	*07/22/11 15:26*	*08/08/11 16:10*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MWD-24 (072011)
Date Collected: 07/20/11 09:40
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/27/11 17:17	1
Acetonitrile	40	U	40		ug/L			07/27/11 17:17	1
Acrolein	20	U	20		ug/L			07/27/11 17:17	1
Acrylonitrile	20	U	20		ug/L			07/27/11 17:17	1
Allyl chloride	1.0	U	1.0		ug/L			07/27/11 17:17	1
Benzene	1.0	U	1.0		ug/L			07/27/11 17:17	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
Bromoform	1.0	U *	1.0		ug/L			07/27/11 17:17	1
Bromomethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
2-Butanone	10	U	10		ug/L			07/27/11 17:17	1
Carbon disulfide	2.0	U	2.0		ug/L			07/27/11 17:17	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/27/11 17:17	1
Chlorobenzene	1.0	U	1.0		ug/L			07/27/11 17:17	1
Chloroethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
Chloroform	1.0	U	1.0		ug/L			07/27/11 17:17	1
Chloromethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
Chloroprene	1.0	U	1.0		ug/L			07/27/11 17:17	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/27/11 17:17	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
Dibromomethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 17:17	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,4-Dioxane	50	U	50		ug/L			07/27/11 17:17	1
Ethylbenzene	1.0	U	1.0		ug/L			07/27/11 17:17	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/27/11 17:17	1
2-Hexanone	10	U	10		ug/L			07/27/11 17:17	1
Iodomethane	5.0	U	5.0		ug/L			07/27/11 17:17	1
Isobutanol	40	U	40		ug/L			07/27/11 17:17	1
Methacrylonitrile	20	U	20		ug/L			07/27/11 17:17	1
Methylene Chloride	5.0	U	5.0		ug/L			07/27/11 17:17	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/27/11 17:17	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/27/11 17:17	1
Pentachloroethane	5.0	U	5.0		ug/L			07/27/11 17:17	1
Propionitrile	20	U	20		ug/L			07/27/11 17:17	1
Styrene	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/27/11 17:17	1
Toluene	1.0	U	1.0		ug/L			07/27/11 17:17	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/27/11 17:17	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/27/11 17:17	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/27/11 17:17	1

Client Sample ID: MWD-24 (072011)

Date Collected: 07/20/11 09:40
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
Trichloroethene	1.0	U	1.0		ug/L			07/27/11 17:17	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/27/11 17:17	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/27/11 17:17	1
Vinyl acetate	2.0	U	2.0		ug/L			07/27/11 17:17	1
Vinyl chloride	1.0	U	1.0		ug/L			07/27/11 17:17	1
Xylenes, Total	2.0	U	2.0		ug/L			07/27/11 17:17	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/27/11 17:17	1
o-Xylene	1.0	U	1.0		ug/L			07/27/11 17:17	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*07/27/11 17:17*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/27/11 17:17*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/27/11 17:17*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Acetophenone	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/22/11 15:26	08/08/11 16:36	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 16:36	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Bis(2-ethylhexyl) phthalate	**28**	**B ***	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
4-Chloro-3-methylphenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Diallate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Dibenzofuran	1.0	U *	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1

Client Sample ID: MWD-24 (072011)

Date Collected: 07/20/11 09:40
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-14
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,4-Dichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,4-Dinitrophenol	10	U	10		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,4-Dinitrotoluene	1.0	U *	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Disulfoton	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Famphur	1.0	U *	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Hexachloroethane	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/08/11 16:36	1
Hexachloropropene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Isophorone	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Isosafrole	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/08/11 16:36	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Methyl parathion	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Nitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1

Client Sample ID: MWD-24 (072011)

Date Collected: 07/20/11 09:40
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-14

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Phenacetin	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Phenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Phorate	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/08/11 16:36	1
Pronamide	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 16:36	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Safrole, Total	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Sulfotepp	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
Thionazin	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2-Toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,4,6-Trichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
2,4,5-Trichlorophenol	1.0	U *	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/08/11 16:36	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*45*		*27 - 130*	*07/22/11 15:26*	*08/08/11 16:36*	*1*
Nitrobenzene-d5 (Surr)	*47*		*32 - 130*	*07/22/11 15:26*	*08/08/11 16:36*	*1*
Terphenyl-d14 (Surr)	*52*		*36 - 130*	*07/22/11 15:26*	*08/08/11 16:36*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*30 - 130*	*07/22/11 15:26*	*08/08/11 16:36*	*1*
2-Fluorophenol (Surr)	*47*		*25 - 130*	*07/22/11 15:26*	*08/08/11 16:36*	*1*
2-Fluorobiphenyl	*42*		*34 - 130*	*07/22/11 15:26*	*08/08/11 16:36*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-23 (072011)
Date Collected: 07/20/11 17:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 14:49	1
Acetonitrile	40	U	40		ug/L			07/26/11 14:49	1
Acrolein	20	U	20		ug/L			07/26/11 14:49	1
Acrylonitrile	20	U	20		ug/L			07/26/11 14:49	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 14:49	1
Benzene	1.0	U	1.0		ug/L			07/26/11 14:49	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 14:49	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
2-Butanone	10	U	10		ug/L			07/26/11 14:49	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 14:49	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 14:49	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:49	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 14:49	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 14:49	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 14:49	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:49	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 14:49	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 14:49	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 14:49	1
2-Hexanone	10	U	10		ug/L			07/26/11 14:49	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 14:49	1
Isobutanol	40	U	40		ug/L			07/26/11 14:49	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 14:49	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 14:49	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 14:49	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 14:49	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 14:49	1
Propionitrile	20	U	20		ug/L			07/26/11 14:49	1
Styrene	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 14:49	1
Toluene	1.0	U	1.0		ug/L			07/26/11 14:49	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 14:49	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 14:49	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 14:49	1

Client Sample ID: MW-23 (072011)

Lab Sample ID: 680-70633-15

Date Collected: 07/20/11 17:00
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U *	1.0		ug/L			07/26/11 14:49	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 14:49	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 14:49	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 14:49	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 14:49	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 14:49	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 14:49	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/26/11 14:49	1
o-Xylene	1.0	U	1.0		ug/L			07/26/11 14:49	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*07/26/11 14:49*	*1*
Dibromofluoromethane	*113*		*70 - 130*		*07/26/11 14:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/26/11 14:49*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Acetophenone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 17:02	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Bis(2-ethylhexyl) phthalate	**25**	**B ***	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
4-Chloro-3-methylphenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Diallate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Dibenzofuran	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1

Client Sample ID: MW-23 (072011)
Date Collected: 07/20/11 17:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-15
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,4-Dichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,4-Dinitrotoluene	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
Disulfoton	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
Famphur	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
Hexachloroethane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Hexachlorophene	490	U *	490		ug/L		07/22/11 15:26	08/08/11 17:02	1
Hexachloropropene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Isophorone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Isosafrole	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/08/11 17:02	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Methyl parathion	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
Nitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1

Client Sample ID: MW-23 (072011)
Date Collected: 07/20/11 17:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-15
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
Phenacetin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Phenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Phorate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:02	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/08/11 17:02	1
Pronamide	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:02	1
Pyridine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:02	1
Safrole, Total	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Sulfotepp	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
Thionazin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2-Toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,4,6-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
2,4,5-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*47*		*27 - 130*	*07/22/11 15:26*	*08/08/11 17:02*	*1*
Nitrobenzene-d5 (Surr)	*48*		*32 - 130*	*07/22/11 15:26*	*08/08/11 17:02*	*1*
Terphenyl-d14 (Surr)	*47*		*36 - 130*	*07/22/11 15:26*	*08/08/11 17:02*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*30 - 130*	*07/22/11 15:26*	*08/08/11 17:02*	*1*
2-Fluorophenol (Surr)	*47*		*25 - 130*	*07/22/11 15:26*	*08/08/11 17:02*	*1*
2-Fluorobiphenyl	*42*		*34 - 130*	*07/22/11 15:26*	*08/08/11 17:02*	*1*

Client Sample ID: MW-F13 (072111)

Lab Sample ID: 680-70633-16

Date Collected: 07/21/11 07:48

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 03:43	1
Acetonitrile	40	U	40		ug/L			07/24/11 03:43	1
Acrolein	20	U	20		ug/L			07/24/11 03:43	1
Acrylonitrile	20	U	20		ug/L			07/24/11 03:43	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 03:43	1
Benzene	1.0	U	1.0		ug/L			07/24/11 03:43	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 03:43	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
2-Butanone	10	U	10		ug/L			07/24/11 03:43	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 03:43	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 03:43	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:43	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 03:43	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 03:43	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 03:43	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:43	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 03:43	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 03:43	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 03:43	1
2-Hexanone	10	U	10		ug/L			07/24/11 03:43	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 03:43	1
Isobutanol	40	U	40		ug/L			07/24/11 03:43	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 03:43	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 03:43	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 03:43	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 03:43	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 03:43	1
Propionitrile	20	U	20		ug/L			07/24/11 03:43	1
Styrene	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 03:43	1
Toluene	1.0	U	1.0		ug/L			07/24/11 03:43	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 03:43	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 03:43	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 03:43	1

Client Sample ID: MW-F13 (072111)

Lab Sample ID: 680-70633-16

Date Collected: 07/21/11 07:48
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 03:43	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 03:43	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 03:43	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 03:43	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 03:43	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 03:43	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 03:43	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 03:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*07/24/11 03:43*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*07/24/11 03:43*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 03:43*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Acetophenone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 17:29	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 17:29	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Bis(2-ethylhexyl) phthalate	**16**	**B ***	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
4-Chloro-3-methylphenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Diallate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Dibenzofuran	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1

Client Sample ID: MW-F13 (072111)
Date Collected: 07/21/11 07:48
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-16
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,4-Dichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,4-Dinitrotoluene	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Disulfoton	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Famphur	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Hexachloroethane	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Hexachlorophene	500	U *	500		ug/L		07/22/11 15:26	08/08/11 17:29	1
Hexachloropropene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Isophorone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Isosafrole	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/08/11 17:29	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Methyl parathion	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Nitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1

Client Sample ID: MW-F13 (072111)
Date Collected: 07/21/11 07:48
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-16
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Phenacetin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Phenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Phorate	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/08/11 17:29	1
Pronamide	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 17:29	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/08/11 17:29	1
Safrole, Total	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Sulfotepp	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
Thionazin	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2-Toluidine	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,4,6-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
2,4,5-Trichlorophenol	0.99	U *	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/22/11 15:26	08/08/11 17:29	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*55*		*27 - 130*	*07/22/11 15:26*	*08/08/11 17:29*	*1*
Nitrobenzene-d5 (Surr)	*59*		*32 - 130*	*07/22/11 15:26*	*08/08/11 17:29*	*1*
Terphenyl-d14 (Surr)	*82*		*36 - 130*	*07/22/11 15:26*	*08/08/11 17:29*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*30 - 130*	*07/22/11 15:26*	*08/08/11 17:29*	*1*
2-Fluorophenol (Surr)	*52*		*25 - 130*	*07/22/11 15:26*	*08/08/11 17:29*	*1*
2-Fluorobiphenyl	*61*		*34 - 130*	*07/22/11 15:26*	*08/08/11 17:29*	*1*

Method: 8315A - Carbonyl Compounds (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	50	U	50		ug/L		07/22/11 10:05	07/22/11 14:00	1

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F14 (072111)

Lab Sample ID: 680-70633-17

Date Collected: 07/21/11 09:17
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 04:04	1
Acetonitrile	40	U	40		ug/L			07/24/11 04:04	1
Acrolein	20	U	20		ug/L			07/24/11 04:04	1
Acrylonitrile	20	U	20		ug/L			07/24/11 04:04	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 04:04	1
Benzene	**3.1**		1.0		ug/L			07/24/11 04:04	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 04:04	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
2-Butanone	10	U	10		ug/L			07/24/11 04:04	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 04:04	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 04:04	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:04	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 04:04	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 04:04	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 04:04	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:04	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 04:04	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 04:04	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 04:04	1
2-Hexanone	10	U	10		ug/L			07/24/11 04:04	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 04:04	1
Isobutanol	40	U	40		ug/L			07/24/11 04:04	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 04:04	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 04:04	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 04:04	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 04:04	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 04:04	1
Propionitrile	20	U	20		ug/L			07/24/11 04:04	1
Styrene	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 04:04	1
Toluene	1.0	U	1.0		ug/L			07/24/11 04:04	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 04:04	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 04:04	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 04:04	1

Client Sample ID: MW-F14 (072111)

Lab Sample ID: 680-70633-17

Date Collected: 07/21/11 09:17
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 04:04	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 04:04	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 04:04	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 04:04	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 04:04	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 04:04	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 04:04	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 04:04	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*07/24/11 04:04*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*07/24/11 04:04*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/24/11 04:04*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Acenaphthylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Acetophenone	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Acetylaminofluorene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
alpha,alpha-Dimethyl phenethylamine	9.7	U	9.7		ug/L		07/22/11 15:26	08/08/11 17:55	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Aniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Anthracene	0.19	U *	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 17:55	1
Benzo[a]anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Benzo[a]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Benzo[b]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Benzo[g,h,i]perylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Benzo[k]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Benzyl alcohol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Bis(2-chloroethoxy)methane	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Bis(2-chloroethyl)ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
bis (2-chloroisopropyl) ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Bis(2-ethylhexyl) phthalate	**16**	**B ***	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
4-Bromophenyl phenyl ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Butyl benzyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
4-Chloroaniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
4-Chloro-3-methylphenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Chloronaphthalene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Chlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
4-Chlorophenyl phenyl ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Chrysene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Diallate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Dibenz(a,h)anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Dibenzofuran	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,4-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1

Client Sample ID: MW-F14 (072111)
Date Collected: 07/21/11 09:17
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-17
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,2-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
3,3'-Dichlorobenzidine	19	U	19		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,4-Dichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,6-Dichlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Diethyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Dimethoate	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
7,12-Dimethylbenz(a)anthracene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
3,3'-Dimethylbenzidine	19	U	19		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,4-Dimethylphenol	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Dimethyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Di-n-butyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,3-Dinitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,4-Dinitrophenol	9.7	U	9.7		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,4-Dinitrotoluene	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,6-Dinitrotoluene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Di-n-octyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Dinoseb	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,4-Dioxane	**18**		1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Disulfoton	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Ethyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Ethyl Parathion	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Famphur	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Fluorene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Hexachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Hexachlorobutadiene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Hexachlorocyclopentadiene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Hexachloroethane	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Hexachlorophene	490	U *	490		ug/L		07/22/11 15:26	08/08/11 17:55	1
Hexachloropropene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Isophorone	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Isosafrole	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Methapyrilene	190	U	190		ug/L		07/22/11 15:26	08/08/11 17:55	1
3-Methylcholanthrene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Methyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Methylnaphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Methyl parathion	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
3 & 4 Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Naphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,4-Naphthoquinone	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Nitroaniline	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Nitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1

Client Sample ID: MW-F14 (072111)
Date Collected: 07/21/11 09:17
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-17
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Nitrophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
4-Nitroquinoline-1-oxide	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitro-o-toluidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosodiethylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosodimethylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosodi-n-butylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosodi-n-propylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosodiphenylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosomethylethylamine	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosomorpholine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosopiperidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
N-Nitrosopyrrolidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
o,o',o''-Triethylphosphorothioate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Pentachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Pentachloronitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Phenacetin	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Phenanthrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Phenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Phorate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Picoline	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
p-Phenylene diamine	190	U	190		ug/L		07/22/11 15:26	08/08/11 17:55	1
Pronamide	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 17:55	1
Pyridine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 17:55	1
Safrole, Total	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Sulfotepp	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,2,4,5-Tetrachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,3,4,6-Tetrachlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
Thionazin	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2-Toluidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,2,4-Trichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,4,6-Trichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
2,4,5-Trichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1
1,3,5-Trinitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 17:55	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*44*		*27 - 130*	*07/22/11 15:26*	*08/08/11 17:55*	*1*
Nitrobenzene-d5 (Surr)	*59*		*32 - 130*	*07/22/11 15:26*	*08/08/11 17:55*	*1*
Terphenyl-d14 (Surr)	*82*		*36 - 130*	*07/22/11 15:26*	*08/08/11 17:55*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*30 - 130*	*07/22/11 15:26*	*08/08/11 17:55*	*1*
2-Fluorophenol (Surr)	*55*		*25 - 130*	*07/22/11 15:26*	*08/08/11 17:55*	*1*
2-Fluorobiphenyl	*50*		*34 - 130*	*07/22/11 15:26*	*08/08/11 17:55*	*1*

Client Sample ID: MW-F21 (072111)

Lab Sample ID: 680-70633-18

Date Collected: 07/21/11 10:47

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/24/11 04:24	1
Acetonitrile	40	U	40		ug/L			07/24/11 04:24	1
Acrolein	20	U	20		ug/L			07/24/11 04:24	1
Acrylonitrile	20	U	20		ug/L			07/24/11 04:24	1
Allyl chloride	1.0	U	1.0		ug/L			07/24/11 04:24	1
Benzene	**14**		1.0		ug/L			07/24/11 04:24	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
Bromoform	1.0	U	1.0		ug/L			07/24/11 04:24	1
Bromomethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
2-Butanone	10	U	10		ug/L			07/24/11 04:24	1
Carbon disulfide	2.0	U	2.0		ug/L			07/24/11 04:24	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/24/11 04:24	1
Chlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:24	1
Chloroethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
Chloroform	1.0	U	1.0		ug/L			07/24/11 04:24	1
Chloromethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
Chloroprene	1.0	U	1.0		ug/L			07/24/11 04:24	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 04:24	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
Dibromomethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:24	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,4-Dioxane	50	U	50		ug/L			07/24/11 04:24	1
Ethylbenzene	1.0	U	1.0		ug/L			07/24/11 04:24	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/24/11 04:24	1
2-Hexanone	10	U	10		ug/L			07/24/11 04:24	1
Iodomethane	5.0	U	5.0		ug/L			07/24/11 04:24	1
Isobutanol	40	U	40		ug/L			07/24/11 04:24	1
Methacrylonitrile	20	U	20		ug/L			07/24/11 04:24	1
Methylene Chloride	5.0	U	5.0		ug/L			07/24/11 04:24	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/24/11 04:24	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/24/11 04:24	1
Pentachloroethane	5.0	U	5.0		ug/L			07/24/11 04:24	1
Propionitrile	20	U	20		ug/L			07/24/11 04:24	1
Styrene	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/24/11 04:24	1
Toluene	1.0	U	1.0		ug/L			07/24/11 04:24	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/24/11 04:24	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/24/11 04:24	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/24/11 04:24	1

Client Sample ID: MW-F21 (072111)

Lab Sample ID: 680-70633-18

Date Collected: 07/21/11 10:47

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
Trichloroethene	1.0	U	1.0		ug/L			07/24/11 04:24	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/24/11 04:24	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/24/11 04:24	1
Vinyl acetate	2.0	U	2.0		ug/L			07/24/11 04:24	1
Vinyl chloride	1.0	U	1.0		ug/L			07/24/11 04:24	1
Xylenes, Total	2.0	U	2.0		ug/L			07/24/11 04:24	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/24/11 04:24	1
o-Xylene	1.0	U	1.0		ug/L			07/24/11 04:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*07/24/11 04:24*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/24/11 04:24*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*07/24/11 04:24*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Acenaphthylene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Acetophenone	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Acetylaminofluorene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
alpha,alpha-Dimethyl phenethylamine	480	U	480		ug/L		07/22/11 15:26	08/10/11 15:13	50
4-Aminobiphenyl	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
Aniline	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
Anthracene	9.6	U *	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Aramite, Total	72	U	72		ug/L		07/22/11 15:26	08/10/11 15:13	50
Benzo[a]anthracene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Benzo[a]pyrene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Benzo[b]fluoranthene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Benzo[g,h,i]perylene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Benzo[k]fluoranthene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Benzyl alcohol	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Bis(2-chloroethoxy)methane	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Bis(2-chloroethyl)ether	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
bis (2-chloroisopropyl) ether	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Bis(2-ethylhexyl) phthalate	96	U *	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
4-Bromophenyl phenyl ether	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Butyl benzyl phthalate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
4-Chloroaniline	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
4-Chloro-3-methylphenol	48	U *	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Chloronaphthalene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Chlorophenol	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
4-Chlorophenyl phenyl ether	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Chrysene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Diallate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Dibenz(a,h)anthracene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Dibenzofuran	48	U *	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,4-Dichlorobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50

Client Sample ID: MW-F21 (072111)

Date Collected: 07/21/11 10:47
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-18

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,2-Dichlorobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
3,3'-Dichlorobenzidine	960	U	960		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,4-Dichlorophenol	48	U *	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,6-Dichlorophenol	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Diethyl phthalate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Dimethoate	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
7,12-Dimethylbenz(a)anthracene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
3,3'-Dimethylbenzidine	960	U	960		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,4-Dimethylphenol	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
Dimethyl phthalate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Di-n-butyl phthalate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,3-Dinitrobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
4,6-Dinitro-2-methylphenol	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,4-Dinitrophenol	480	U	480		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,4-Dinitrotoluene	48	U *	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,6-Dinitrotoluene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Di-n-octyl phthalate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Dinoseb	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,4-Dioxane	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
Disulfoton	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Ethyl methanesulfonate	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
Ethyl Parathion	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
Famphur	48	U *	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Fluoranthene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Fluorene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Hexachlorobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Hexachlorobutadiene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Hexachlorocyclopentadiene	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
Hexachloroethane	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Hexachlorophene	24000	U *	24000		ug/L		07/22/11 15:26	08/10/11 15:13	50
Hexachloropropene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Indeno[1,2,3-cd]pyrene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Isophorone	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Isosafrole	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Methapyrilene	9600	U	9600		ug/L		07/22/11 15:26	08/10/11 15:13	50
3-Methylcholanthrene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Methyl methanesulfonate	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Methylnaphthalene	**15**		9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Methyl parathion	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Methylphenol	96	U *	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
3 & 4 Methylphenol	96	U *	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
Naphthalene	**430**		9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,4-Naphthoquinone	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
1-Naphthylamine	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Naphthylamine	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
4-Nitroaniline	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Nitroaniline	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
3-Nitroaniline	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
Nitrobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50

Client Sample ID: MW-F21 (072111)

Date Collected: 07/21/11 10:47
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-18

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Nitrophenol	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
4-Nitroquinoline-1-oxide	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitro-o-toluidine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosodiethylamine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosodimethylamine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosodi-n-butylamine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosodi-n-propylamine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosodiphenylamine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosomethylethylamine	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosomorpholine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosopiperidine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
N-Nitrosopyrrolidine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
o,o',o''-Triethylphosphorothioate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
p-Dimethylamino azobenzene	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
Pentachlorobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Pentachloronitrobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Pentachlorophenol	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
Phenacetin	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Phenanthrene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Phenol	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Phorate	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Picoline	96	U	96		ug/L		07/22/11 15:26	08/10/11 15:13	50
p-Phenylene diamine	9600	U	9600		ug/L		07/22/11 15:26	08/10/11 15:13	50
Pronamide	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Pyrene	9.6	U	9.6		ug/L		07/22/11 15:26	08/10/11 15:13	50
Pyridine	240	U	240		ug/L		07/22/11 15:26	08/10/11 15:13	50
Safrole, Total	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Sulfotepp	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,2,4,5-Tetrachlorobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,3,4,6-Tetrachlorophenol	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
Thionazin	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2-Toluidine	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,2,4-Trichlorobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,4,6-Trichlorophenol	48	U *	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
2,4,5-Trichlorophenol	48	U *	48		ug/L		07/22/11 15:26	08/10/11 15:13	50
1,3,5-Trinitrobenzene	48	U	48		ug/L		07/22/11 15:26	08/10/11 15:13	50

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*07/22/11 15:26*	*08/10/11 15:13*	*50*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*07/22/11 15:26*	*08/10/11 15:13*	*50*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*07/22/11 15:26*	*08/10/11 15:13*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*07/22/11 15:26*	*08/10/11 15:13*	*50*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*07/22/11 15:26*	*08/10/11 15:13*	*50*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*07/22/11 15:26*	*08/10/11 15:13*	*50*

Method: 8315A - Carbonyl Compounds (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	50	U	50		ug/L		07/22/11 10:05	07/22/11 14:12	1

Client Sample ID: DUP-02 (072111)

Lab Sample ID: 680-70633-19

Date Collected: 07/21/11 12:00

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 13:40	1
Acetonitrile	40	U	40		ug/L			07/28/11 13:40	1
Acrolein	20	U	20		ug/L			07/28/11 13:40	1
Acrylonitrile	20	U	20		ug/L			07/28/11 13:40	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 13:40	1
Benzene	**16**		1.0		ug/L			07/28/11 13:40	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 13:40	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
2-Butanone	10	U	10		ug/L			07/28/11 13:40	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 13:40	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 13:40	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:40	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 13:40	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 13:40	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 13:40	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:40	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 13:40	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 13:40	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 13:40	1
2-Hexanone	10	U	10		ug/L			07/28/11 13:40	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 13:40	1
Isobutanol	40	U	40		ug/L			07/28/11 13:40	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 13:40	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 13:40	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 13:40	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 13:40	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 13:40	1
Propionitrile	20	U	20		ug/L			07/28/11 13:40	1
Styrene	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 13:40	1
Toluene	1.0	U	1.0		ug/L			07/28/11 13:40	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 13:40	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 13:40	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 13:40	1

Client Sample ID: DUP-02 (072111)

Lab Sample ID: 680-70633-19

Date Collected: 07/21/11 12:00
Matrix: Water
Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 13:40	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 13:40	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 13:40	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 13:40	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 13:40	1
Xylenes, Total	**2.2**		2.0		ug/L			07/28/11 13:40	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/28/11 13:40	1
o-Xylene	1.0	U	1.0		ug/L			07/28/11 13:40	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/28/11 13:40*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/28/11 13:40*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/28/11 13:40*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**6.2**		1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Acenaphthylene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Acetophenone	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Acetylaminofluorene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
alpha,alpha-Dimethyl phenethylamine	95	U	95		ug/L		07/22/11 15:26	08/08/11 18:47	10
4-Aminobiphenyl	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
Aniline	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
Anthracene	1.9	U *	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Aramite, Total	14	U	14		ug/L		07/22/11 15:26	08/08/11 18:47	10
Benzo[a]anthracene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Benzo[a]pyrene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Benzo[b]fluoranthene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Benzo[g,h,i]perylene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Benzo[k]fluoranthene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Benzyl alcohol	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Bis(2-chloroethoxy)methane	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Bis(2-chloroethyl)ether	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
bis (2-chloroisopropyl) ether	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Bis(2-ethylhexyl) phthalate	19	U *	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
4-Bromophenyl phenyl ether	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Butyl benzyl phthalate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
4-Chloroaniline	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
4-Chloro-3-methylphenol	9.5	U *	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Chloronaphthalene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Chlorophenol	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
4-Chlorophenyl phenyl ether	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Chrysene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Diallate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Dibenz(a,h)anthracene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Dibenzofuran	9.5	U *	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,4-Dichlorobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10

Client Sample ID: DUP-02 (072111)

Date Collected: 07/21/11 12:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-19

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,2-Dichlorobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
3,3'-Dichlorobenzidine	190	U	190		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,4-Dichlorophenol	9.5	U *	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,6-Dichlorophenol	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Diethyl phthalate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Dimethoate	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
7,12-Dimethylbenz(a)anthracene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
3,3'-Dimethylbenzidine	190	U	190		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,4-Dimethylphenol	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
Dimethyl phthalate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Di-n-butyl phthalate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,3-Dinitrobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
4,6-Dinitro-2-methylphenol	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,4-Dinitrophenol	95	U	95		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,4-Dinitrotoluene	9.5	U *	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,6-Dinitrotoluene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Di-n-octyl phthalate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Dinoseb	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,4-Dioxane	**21**		19		ug/L		07/22/11 15:26	08/08/11 18:47	10
Disulfoton	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Ethyl methanesulfonate	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
Ethyl Parathion	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
Famphur	9.5	U *	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Fluoranthene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Fluorene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Hexachlorobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Hexachlorobutadiene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Hexachlorocyclopentadiene	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
Hexachloroethane	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Hexachlorophene	4800	U *	4800		ug/L		07/22/11 15:26	08/08/11 18:47	10
Hexachloropropene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Indeno[1,2,3-cd]pyrene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Isophorone	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Isosafrole	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Methapyrilene	1900	U	1900		ug/L		07/22/11 15:26	08/08/11 18:47	10
3-Methylcholanthrene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Methyl methanesulfonate	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Methylnaphthalene	**23**		1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Methyl parathion	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Methylphenol	19	U *	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
3 & 4 Methylphenol	19	U *	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
Naphthalene	**400**		1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,4-Naphthoquinone	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
1-Naphthylamine	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Naphthylamine	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
4-Nitroaniline	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Nitroaniline	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
3-Nitroaniline	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
Nitrobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10

Client Sample ID: DUP-02 (072111)

Date Collected: 07/21/11 12:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-19

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Nitrophenol	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
4-Nitroquinoline-1-oxide	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitro-o-toluidine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosodiethylamine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosodimethylamine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosodi-n-butylamine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosodi-n-propylamine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosodiphenylamine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosomethylethylamine	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosomorpholine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosopiperidine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
N-Nitrosopyrrolidine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
o,o',o''-Triethylphosphorothioate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
p-Dimethylamino azobenzene	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
Pentachlorobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Pentachloronitrobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Pentachlorophenol	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
Phenacetin	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Phenanthrene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Phenol	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Phorate	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Picoline	19	U	19		ug/L		07/22/11 15:26	08/08/11 18:47	10
p-Phenylene diamine	1900	U	1900		ug/L		07/22/11 15:26	08/08/11 18:47	10
Pronamide	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Pyrene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 18:47	10
Pyridine	48	U	48		ug/L		07/22/11 15:26	08/08/11 18:47	10
Safrole, Total	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Sulfotepp	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,2,4,5-Tetrachlorobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,3,4,6-Tetrachlorophenol	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
Thionazin	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2-Toluidine	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,2,4-Trichlorobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,4,6-Trichlorophenol	9.5	U *	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
2,4,5-Trichlorophenol	9.5	U *	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10
1,3,5-Trinitrobenzene	9.5	U	9.5		ug/L		07/22/11 15:26	08/08/11 18:47	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*	*07/22/11 15:26*	*08/08/11 18:47*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*	*07/22/11 15:26*	*08/08/11 18:47*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*	*07/22/11 15:26*	*08/08/11 18:47*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*	*07/22/11 15:26*	*08/08/11 18:47*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*	*07/22/11 15:26*	*08/08/11 18:47*	*10*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*	*07/22/11 15:26*	*08/08/11 18:47*	*10*

Client Sample ID: MWD-23 (072011)

Lab Sample ID: 680-70633-20

Date Collected: 07/20/11 17:35

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 14:26	1
Acetonitrile	40	U	40		ug/L			07/26/11 14:26	1
Acrolein	20	U	20		ug/L			07/26/11 14:26	1
Acrylonitrile	20	U	20		ug/L			07/26/11 14:26	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 14:26	1
Benzene	1.0	U	1.0		ug/L			07/26/11 14:26	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 14:26	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
2-Butanone	10	U	10		ug/L			07/26/11 14:26	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 14:26	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 14:26	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:26	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 14:26	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 14:26	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 14:26	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 14:26	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 14:26	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 14:26	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 14:26	1
2-Hexanone	10	U	10		ug/L			07/26/11 14:26	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 14:26	1
Isobutanol	40	U	40		ug/L			07/26/11 14:26	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 14:26	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 14:26	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 14:26	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 14:26	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 14:26	1
Propionitrile	20	U	20		ug/L			07/26/11 14:26	1
Styrene	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 14:26	1
Toluene	1.0	U	1.0		ug/L			07/26/11 14:26	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 14:26	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 14:26	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 14:26	1

Client Sample ID: MWD-23 (072011)

Date Collected: 07/20/11 17:35
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-20

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U *	1.0		ug/L			07/26/11 14:26	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 14:26	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 14:26	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 14:26	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 14:26	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 14:26	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 14:26	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/26/11 14:26	1
o-Xylene	1.0	U	1.0		ug/L			07/26/11 14:26	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*07/26/11 14:26*	*1*
Dibromofluoromethane	*112*		*70 - 130*		*07/26/11 14:26*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/26/11 14:26*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Acenaphthylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Acetophenone	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Acetylaminofluorene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
alpha,alpha-Dimethyl phenethylamine	9.7	U	9.7		ug/L		07/22/11 15:26	08/08/11 19:13	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Aniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Anthracene	0.19	U *	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 19:13	1
Benzo[a]anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Benzo[a]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Benzo[b]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Benzo[g,h,i]perylene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Benzo[k]fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Benzyl alcohol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Bis(2-chloroethoxy)methane	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Bis(2-chloroethyl)ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
bis (2-chloroisopropyl) ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Bis(2-ethylhexyl) phthalate	**19**	**B ***	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
4-Bromophenyl phenyl ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Butyl benzyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
4-Chloroaniline	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
4-Chloro-3-methylphenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Chloronaphthalene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Chlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
4-Chlorophenyl phenyl ether	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Chrysene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Diallate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Dibenz(a,h)anthracene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Dibenzofuran	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,4-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1

Client Sample ID: MWD-23 (072011)
Date Collected: 07/20/11 17:35
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-20
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,2-Dichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
3,3'-Dichlorobenzidine	19	U	19		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,4-Dichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,6-Dichlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Diethyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Dimethoate	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
7,12-Dimethylbenz(a)anthracene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
3,3'-Dimethylbenzidine	19	U	19		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,4-Dimethylphenol	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Dimethyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Di-n-butyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,3-Dinitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,4-Dinitrophenol	9.7	U	9.7		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,4-Dinitrotoluene	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,6-Dinitrotoluene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Di-n-octyl phthalate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Dinoseb	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,4-Dioxane	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Disulfoton	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Ethyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Ethyl Parathion	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Famphur	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Fluoranthene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Fluorene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Hexachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Hexachlorobutadiene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Hexachlorocyclopentadiene	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Hexachloroethane	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Hexachlorophene	490	U *	490		ug/L		07/22/11 15:26	08/08/11 19:13	1
Hexachloropropene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Isophorone	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Isosafrole	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Methapyrilene	190	U	190		ug/L		07/22/11 15:26	08/08/11 19:13	1
3-Methylcholanthrene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Methyl methanesulfonate	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Methylnaphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Methyl parathion	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
3 & 4 Methylphenol	1.9	U *	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Naphthalene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,4-Naphthoquinone	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Nitroaniline	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Nitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1

Client Sample ID: MWD-23 (072011)

Date Collected: 07/20/11 17:35
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-20

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Nitrophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
4-Nitroquinoline-1-oxide	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitro-o-toluidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosodiethylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosodimethylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosodi-n-butylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosodi-n-propylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosodiphenylamine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosomethylethylamine	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosomorpholine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosopiperidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
N-Nitrosopyrrolidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
o,o',o''-Triethylphosphorothioate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Pentachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Pentachloronitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Phenacetin	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Phenanthrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Phenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Phorate	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Picoline	1.9	U	1.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
p-Phenylene diamine	190	U	190		ug/L		07/22/11 15:26	08/08/11 19:13	1
Pronamide	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Pyrene	0.19	U	0.19		ug/L		07/22/11 15:26	08/08/11 19:13	1
Pyridine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:13	1
Safrole, Total	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Sulfotepp	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,2,4,5-Tetrachlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,3,4,6-Tetrachlorophenol	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
Thionazin	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2-Toluidine	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,2,4-Trichlorobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,4,6-Trichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
2,4,5-Trichlorophenol	0.97	U *	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1
1,3,5-Trinitrobenzene	0.97	U	0.97		ug/L		07/22/11 15:26	08/08/11 19:13	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*60*		*27 - 130*	*07/22/11 15:26*	*08/08/11 19:13*	*1*
Nitrobenzene-d5 (Surr)	*72*		*32 - 130*	*07/22/11 15:26*	*08/08/11 19:13*	*1*
Terphenyl-d14 (Surr)	*73*		*36 - 130*	*07/22/11 15:26*	*08/08/11 19:13*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*30 - 130*	*07/22/11 15:26*	*08/08/11 19:13*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 130*	*07/22/11 15:26*	*08/08/11 19:13*	*1*
2-Fluorobiphenyl	*70*		*34 - 130*	*07/22/11 15:26*	*08/08/11 19:13*	*1*

Client Sample ID: MW-F8 (072111)

Lab Sample ID: 680-70633-21

Date Collected: 07/21/11 08:20

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/27/11 05:29	1
Acetonitrile	40	U	40		ug/L			07/27/11 05:29	1
Acrolein	20	U	20		ug/L			07/27/11 05:29	1
Acrylonitrile	20	U	20		ug/L			07/27/11 05:29	1
Allyl chloride	1.0	U	1.0		ug/L			07/27/11 05:29	1
Benzene	1.0	U	1.0		ug/L			07/27/11 05:29	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
Bromoform	1.0	U	1.0		ug/L			07/27/11 05:29	1
Bromomethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
2-Butanone	10	U	10		ug/L			07/27/11 05:29	1
Carbon disulfide	2.0	U	2.0		ug/L			07/27/11 05:29	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/27/11 05:29	1
Chlorobenzene	1.0	U	1.0		ug/L			07/27/11 05:29	1
Chloroethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
Chloroform	1.0	U	1.0		ug/L			07/27/11 05:29	1
Chloromethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
Chloroprene	1.0	U	1.0		ug/L			07/27/11 05:29	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/27/11 05:29	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
Dibromomethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 05:29	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,4-Dioxane	50	U	50		ug/L			07/27/11 05:29	1
Ethylbenzene	1.0	U	1.0		ug/L			07/27/11 05:29	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/27/11 05:29	1
2-Hexanone	10	U	10		ug/L			07/27/11 05:29	1
Iodomethane	5.0	U	5.0		ug/L			07/27/11 05:29	1
Isobutanol	40	U	40		ug/L			07/27/11 05:29	1
Methacrylonitrile	20	U	20		ug/L			07/27/11 05:29	1
Methylene Chloride	5.0	U	5.0		ug/L			07/27/11 05:29	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/27/11 05:29	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/27/11 05:29	1
Pentachloroethane	5.0	U	5.0		ug/L			07/27/11 05:29	1
Propionitrile	20	U	20		ug/L			07/27/11 05:29	1
Styrene	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/27/11 05:29	1
Toluene	1.0	U	1.0		ug/L			07/27/11 05:29	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/27/11 05:29	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/27/11 05:29	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/27/11 05:29	1

Client Sample ID: MW-F8 (072111)

Date Collected: 07/21/11 08:20
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
Trichloroethene	1.0	U	1.0		ug/L			07/27/11 05:29	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/27/11 05:29	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/27/11 05:29	1
Vinyl acetate	2.0	U	2.0		ug/L			07/27/11 05:29	1
Vinyl chloride	1.0	U	1.0		ug/L			07/27/11 05:29	1
Xylenes, Total	2.0	U	2.0		ug/L			07/27/11 05:29	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/27/11 05:29	1
o-Xylene	1.0	U	1.0		ug/L			07/27/11 05:29	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*07/27/11 05:29*	*1*
Dibromofluoromethane	*108*		*70 - 130*		*07/27/11 05:29*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/27/11 05:29*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Acetophenone	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Acetylaminofluorene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
alpha,alpha-Dimethyl phenethylamine	9.8	U	9.8		ug/L		07/22/11 15:26	08/08/11 19:40	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
Anthracene	0.20	U *	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/08/11 19:40	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Benzyl alcohol	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Bis(2-chloroethoxy)methane	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Bis(2-chloroethyl)ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
bis (2-chloroisopropyl) ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Bis(2-ethylhexyl) phthalate	**20**	**B ***	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
4-Bromophenyl phenyl ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Butyl benzyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
4-Chloro-3-methylphenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Chloronaphthalene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Chlorophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
4-Chlorophenyl phenyl ether	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Diallate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Dibenzofuran	0.98	U *	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,4-Dichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1

Client Sample ID: MW-F8 (072111)

Date Collected: 07/21/11 08:20
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-21
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,2-Dichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,4-Dichlorophenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,6-Dichlorophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Diethyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
7,12-Dimethylbenz(a)anthracene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
Dimethyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Di-n-butyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,3-Dinitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,4-Dinitrophenol	9.8	U	9.8		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,4-Dinitrotoluene	0.98	U *	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,6-Dinitrotoluene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Di-n-octyl phthalate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
Disulfoton	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
Famphur	0.98	U *	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Hexachlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Hexachlorobutadiene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
Hexachloroethane	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Hexachlorophene	490	U *	490		ug/L		07/22/11 15:26	08/08/11 19:40	1
Hexachloropropene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Isophorone	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Isosafrole	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/08/11 19:40	1
3-Methylcholanthrene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Methyl parathion	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
3 & 4 Methylphenol	2.0	U *	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,4-Naphthoquinone	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Nitroaniline	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
Nitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1

Client Sample ID: MW-F8 (072111)
Date Collected: 07/21/11 08:20
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-21
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Nitrophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitro-o-toluidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosodiethylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosodimethylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosodi-n-butylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosodi-n-propylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosodiphenylamine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosomorpholine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosopiperidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
N-Nitrosopyrrolidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
o,o',o''-Triethylphosphorothioate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
Pentachlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Pentachloronitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
Phenacetin	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Phenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Phorate	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/08/11 19:40	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/08/11 19:40	1
Pronamide	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/08/11 19:40	1
Pyridine	4.9	U	4.9		ug/L		07/22/11 15:26	08/08/11 19:40	1
Safrole, Total	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Sulfotepp	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,2,4,5-Tetrachlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,3,4,6-Tetrachlorophenol	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
Thionazin	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2-Toluidine	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,2,4-Trichlorobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,4,6-Trichlorophenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
2,4,5-Trichlorophenol	0.98	U *	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1
1,3,5-Trinitrobenzene	0.98	U	0.98		ug/L		07/22/11 15:26	08/08/11 19:40	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*62*		*27 - 130*	*07/22/11 15:26*	*08/08/11 19:40*	*1*
Nitrobenzene-d5 (Surr)	*72*		*32 - 130*	*07/22/11 15:26*	*08/08/11 19:40*	*1*
Terphenyl-d14 (Surr)	*76*		*36 - 130*	*07/22/11 15:26*	*08/08/11 19:40*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*30 - 130*	*07/22/11 15:26*	*08/08/11 19:40*	*1*
2-Fluorophenol (Surr)	*67*		*25 - 130*	*07/22/11 15:26*	*08/08/11 19:40*	*1*
2-Fluorobiphenyl	*71*		*34 - 130*	*07/22/11 15:26*	*08/08/11 19:40*	*1*

Method: 8315A - Carbonyl Compounds (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	50	U	50		ug/L		07/22/11 10:05	07/22/11 14:24	1

Client Sample ID: MW-F9 (072111)

Lab Sample ID: 680-70633-22

Date Collected: 07/21/11 10:15

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/25/11 04:01	1
Acetonitrile	40	U	40		ug/L			07/25/11 04:01	1
Acrolein	20	U	20		ug/L			07/25/11 04:01	1
Acrylonitrile	20	U	20		ug/L			07/25/11 04:01	1
Allyl chloride	1.0	U	1.0		ug/L			07/25/11 04:01	1
Benzene	1.0	U	1.0		ug/L			07/25/11 04:01	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
Bromoform	1.0	U	1.0		ug/L			07/25/11 04:01	1
Bromomethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
2-Butanone	10	U	10		ug/L			07/25/11 04:01	1
Carbon disulfide	2.0	U	2.0		ug/L			07/25/11 04:01	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/25/11 04:01	1
Chlorobenzene	1.0	U	1.0		ug/L			07/25/11 04:01	1
Chloroethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
Chloroform	1.0	U	1.0		ug/L			07/25/11 04:01	1
Chloromethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
Chloroprene	1.0	U	1.0		ug/L			07/25/11 04:01	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/25/11 04:01	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
Dibromomethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/25/11 04:01	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,4-Dioxane	50	U	50		ug/L			07/25/11 04:01	1
Ethylbenzene	1.0	U	1.0		ug/L			07/25/11 04:01	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/25/11 04:01	1
2-Hexanone	10	U	10		ug/L			07/25/11 04:01	1
Iodomethane	5.0	U	5.0		ug/L			07/25/11 04:01	1
Isobutanol	40	U	40		ug/L			07/25/11 04:01	1
Methacrylonitrile	20	U	20		ug/L			07/25/11 04:01	1
Methylene Chloride	5.0	U	5.0		ug/L			07/25/11 04:01	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/25/11 04:01	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/25/11 04:01	1
Pentachloroethane	5.0	U	5.0		ug/L			07/25/11 04:01	1
Propionitrile	20	U	20		ug/L			07/25/11 04:01	1
Styrene	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/25/11 04:01	1
Toluene	1.0	U	1.0		ug/L			07/25/11 04:01	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/25/11 04:01	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/25/11 04:01	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/25/11 04:01	1

Client Sample ID: MW-F9 (072111)

Lab Sample ID: 680-70633-22

Date Collected: 07/21/11 10:15
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
Trichloroethene	1.0	U	1.0		ug/L			07/25/11 04:01	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/25/11 04:01	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/25/11 04:01	1
Vinyl acetate	2.0	U	2.0		ug/L			07/25/11 04:01	1
Vinyl chloride	1.0	U	1.0		ug/L			07/25/11 04:01	1
Xylenes, Total	2.0	U	2.0		ug/L			07/25/11 04:01	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/25/11 04:01	1
o-Xylene	1.0	U	1.0		ug/L			07/25/11 04:01	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*07/25/11 04:01*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/25/11 04:01*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/25/11 04:01*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Acenaphthylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Acetophenone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
alpha,alpha-Dimethyl phenethylamine	10	U *	10		ug/L		07/23/11 13:18	08/09/11 19:43	1
4-Aminobiphenyl	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Aniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Aramite, Total	1.5	U *	1.5		ug/L		07/23/11 13:18	08/09/11 19:43	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Bis(2-ethylhexyl) phthalate	**3.8**	**B ***	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Chrysene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Diallate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Dibenzofuran	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1

Client Sample ID: MW-F9 (072111)

Date Collected: 07/21/11 10:15
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-22
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Dimethoate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
3,3'-Dimethylbenzidine	20	U *	20		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,4-Dinitrophenol	10	U	10		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Dinoseb	2.0	U *	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Disulfoton	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Famphur	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Fluorene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Hexachloroethane	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Hexachlorophene	500	U *	500		ug/L		07/23/11 13:18	08/09/11 19:43	1
Hexachloropropene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Isophorone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Isosafrole	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Methapyrilene	200	U *	200		ug/L		07/23/11 13:18	08/09/11 19:43	1
3-Methylcholanthrene	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Methyl parathion	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Naphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Nitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1

Client Sample ID: MW-F9 (072111)

Date Collected: 07/21/11 10:15
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-22

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitro-o-toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
p-Dimethylamino azobenzene	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Phenacetin	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Phenanthrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Phenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Phorate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Picoline	2.0	U *	2.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
p-Phenylene diamine	200	U *	200		ug/L		07/23/11 13:18	08/09/11 19:43	1
Pronamide	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 19:43	1
Pyridine	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Safrole, Total	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Sulfotepp	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
Thionazin	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2-Toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 19:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*55*		*27 - 130*	*07/23/11 13:18*	*08/09/11 19:43*	*1*
Nitrobenzene-d5 (Surr)	*65*		*32 - 130*	*07/23/11 13:18*	*08/09/11 19:43*	*1*
Terphenyl-d14 (Surr)	*91*		*36 - 130*	*07/23/11 13:18*	*08/09/11 19:43*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*30 - 130*	*07/23/11 13:18*	*08/09/11 19:43*	*1*
2-Fluorophenol (Surr)	*59*		*25 - 130*	*07/23/11 13:18*	*08/09/11 19:43*	*1*
2-Fluorobiphenyl	*65*		*34 - 130*	*07/23/11 13:18*	*08/09/11 19:43*	*1*

Method: 8315A - Carbonyl Compounds (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	50	U	50		ug/L		07/22/11 10:05	07/22/11 14:36	1

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-22 (072111)
Date Collected: 07/21/11 12:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-23
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 14:10	1
Acetonitrile	40	U	40		ug/L			07/28/11 14:10	1
Acrolein	20	U	20		ug/L			07/28/11 14:10	1
Acrylonitrile	20	U	20		ug/L			07/28/11 14:10	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 14:10	1
Benzene	1.0	U	1.0		ug/L			07/28/11 14:10	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 14:10	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
2-Butanone	10	U	10		ug/L			07/28/11 14:10	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 14:10	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 14:10	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:10	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 14:10	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 14:10	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 14:10	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:10	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 14:10	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 14:10	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 14:10	1
2-Hexanone	10	U	10		ug/L			07/28/11 14:10	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 14:10	1
Isobutanol	40	U	40		ug/L			07/28/11 14:10	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 14:10	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 14:10	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 14:10	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 14:10	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 14:10	1
Propionitrile	20	U	20		ug/L			07/28/11 14:10	1
Styrene	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 14:10	1
Toluene	1.0	U	1.0		ug/L			07/28/11 14:10	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 14:10	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 14:10	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 14:10	1

Client Sample ID: MW-22 (072111)

Date Collected: 07/21/11 12:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-23
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 14:10	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 14:10	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 14:10	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 14:10	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 14:10	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 14:10	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/28/11 14:10	1
o-Xylene	1.0	U	1.0		ug/L			07/28/11 14:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*07/28/11 14:10*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/28/11 14:10*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/28/11 14:10*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Acenaphthylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Acetophenone	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
alpha,alpha-Dimethyl phenethylamine	10	U *	10		ug/L		07/23/11 13:18	08/10/11 16:05	1
4-Aminobiphenyl	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Aniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Aramite, Total	1.5	U *	1.5		ug/L		07/23/11 13:18	08/10/11 16:05	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Bis(2-ethylhexyl) phthalate	**3.4**	*** B**	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Chrysene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Diallate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Dibenzofuran	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1

Client Sample ID: MW-22 (072111)

Date Collected: 07/21/11 12:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-23
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Dimethoate	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
3,3'-Dimethylbenzidine	20	U *	20		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,4-Dinitrophenol	10	U	10		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Dinoseb	2.0	U *	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Disulfoton	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Famphur	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Fluorene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Hexachloroethane	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Hexachlorophene	500	U *	500		ug/L		07/23/11 13:18	08/10/11 16:05	1
Hexachloropropene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Isophorone	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Isosafrole	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Methapyrilene	200	U *	200		ug/L		07/23/11 13:18	08/10/11 16:05	1
3-Methylcholanthrene	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Methyl parathion	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Naphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Nitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1

Client Sample ID: MW-22 (072111)
Date Collected: 07/21/11 12:00
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-23
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitro-o-toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
p-Dimethylamino azobenzene	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Phenacetin	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Phenanthrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Phenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Phorate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Picoline	2.0	U *	2.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
p-Phenylene diamine	200	U *	200		ug/L		07/23/11 13:18	08/10/11 16:05	1
Pronamide	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:05	1
Pyridine	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Safrole, Total	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Sulfotepp	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
Thionazin	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2-Toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*59*		*27 - 130*	*07/23/11 13:18*	*08/10/11 16:05*	*1*
Nitrobenzene-d5 (Surr)	*61*		*32 - 130*	*07/23/11 13:18*	*08/10/11 16:05*	*1*
Terphenyl-d14 (Surr)	*78*		*36 - 130*	*07/23/11 13:18*	*08/10/11 16:05*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*30 - 130*	*07/23/11 13:18*	*08/10/11 16:05*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 130*	*07/23/11 13:18*	*08/10/11 16:05*	*1*
2-Fluorobiphenyl	*63*		*34 - 130*	*07/23/11 13:18*	*08/10/11 16:05*	*1*

Client Sample ID: MWD-22 (072111)

Lab Sample ID: 680-70633-24

Date Collected: 07/21/11 13:25

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 14:39	1
Acetonitrile	40	U	40		ug/L			07/28/11 14:39	1
Acrolein	20	U	20		ug/L			07/28/11 14:39	1
Acrylonitrile	20	U	20		ug/L			07/28/11 14:39	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 14:39	1
Benzene	1.0	U	1.0		ug/L			07/28/11 14:39	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 14:39	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
2-Butanone	10	U	10		ug/L			07/28/11 14:39	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 14:39	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 14:39	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:39	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 14:39	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 14:39	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 14:39	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:39	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 14:39	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 14:39	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 14:39	1
2-Hexanone	10	U	10		ug/L			07/28/11 14:39	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 14:39	1
Isobutanol	40	U	40		ug/L			07/28/11 14:39	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 14:39	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 14:39	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 14:39	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 14:39	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 14:39	1
Propionitrile	20	U	20		ug/L			07/28/11 14:39	1
Styrene	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 14:39	1
Toluene	1.0	U	1.0		ug/L			07/28/11 14:39	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 14:39	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 14:39	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 14:39	1

Client Sample ID: MWD-22 (072111)

Date Collected: 07/21/11 13:25
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-24
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 14:39	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 14:39	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 14:39	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 14:39	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 14:39	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 14:39	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/28/11 14:39	1
o-Xylene	1.0	U	1.0		ug/L			07/28/11 14:39	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*07/28/11 14:39*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/28/11 14:39*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/28/11 14:39*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Acenaphthylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Acetophenone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
alpha,alpha-Dimethyl phenethylamine	10	U *	10		ug/L		07/23/11 13:18	08/09/11 20:35	1
4-Aminobiphenyl	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Aniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Aramite, Total	1.5	U *	1.5		ug/L		07/23/11 13:18	08/09/11 20:35	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Bis(2-ethylhexyl) phthalate	**4.3**	**B ***	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Chrysene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Diallate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Dibenzofuran	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1

Client Sample ID: MWD-22 (072111)
Date Collected: 07/21/11 13:25
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-24
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Dimethoate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
3,3'-Dimethylbenzidine	20	U *	20		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,4-Dinitrophenol	10	U	10		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Dinoseb	2.0	U *	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Disulfoton	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Famphur	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Fluorene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Hexachloroethane	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Hexachlorophene	500	U *	500		ug/L		07/23/11 13:18	08/09/11 20:35	1
Hexachloropropene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Isophorone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Isosafrole	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Methapyrilene	200	U *	200		ug/L		07/23/11 13:18	08/09/11 20:35	1
3-Methylcholanthrene	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Methyl parathion	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Naphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Nitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1

Client Sample ID: MWD-22 (072111)

Lab Sample ID: 680-70633-24

Date Collected: 07/21/11 13:25
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitro-o-toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
p-Dimethylamino azobenzene	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Phenacetin	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Phenanthrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Phenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Phorate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Picoline	2.0	U *	2.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
p-Phenylene diamine	200	U *	200		ug/L		07/23/11 13:18	08/09/11 20:35	1
Pronamide	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 20:35	1
Pyridine	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Safrole, Total	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Sulfotepp	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
Thionazin	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2-Toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 20:35	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*53*		*27 - 130*	*07/23/11 13:18*	*08/09/11 20:35*	*1*
Nitrobenzene-d5 (Surr)	*62*		*32 - 130*	*07/23/11 13:18*	*08/09/11 20:35*	*1*
Terphenyl-d14 (Surr)	*85*		*36 - 130*	*07/23/11 13:18*	*08/09/11 20:35*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*30 - 130*	*07/23/11 13:18*	*08/09/11 20:35*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 130*	*07/23/11 13:18*	*08/09/11 20:35*	*1*
2-Fluorobiphenyl	*64*		*34 - 130*	*07/23/11 13:18*	*08/09/11 20:35*	*1*

Client Sample ID: MW-29 (072111)

Lab Sample ID: 680-70633-25

Date Collected: 07/21/11 12:57

Matrix: Water

Date Received: 07/21/11 15:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 15:09	1
Acetonitrile	40	U	40		ug/L			07/28/11 15:09	1
Acrolein	20	U	20		ug/L			07/28/11 15:09	1
Acrylonitrile	20	U	20		ug/L			07/28/11 15:09	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 15:09	1
Benzene	1.0	U	1.0		ug/L			07/28/11 15:09	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 15:09	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
2-Butanone	10	U	10		ug/L			07/28/11 15:09	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 15:09	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 15:09	1
Chlorobenzene	**1.1**		1.0		ug/L			07/28/11 15:09	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 15:09	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 15:09	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 15:09	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:09	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 15:09	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 15:09	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 15:09	1
2-Hexanone	10	U	10		ug/L			07/28/11 15:09	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 15:09	1
Isobutanol	40	U	40		ug/L			07/28/11 15:09	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 15:09	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 15:09	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 15:09	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 15:09	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 15:09	1
Propionitrile	20	U	20		ug/L			07/28/11 15:09	1
Styrene	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 15:09	1
Toluene	1.0	U	1.0		ug/L			07/28/11 15:09	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 15:09	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 15:09	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 15:09	1

Client Sample ID: MW-29 (072111)

Date Collected: 07/21/11 12:57
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-25
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 15:09	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 15:09	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 15:09	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 15:09	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 15:09	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 15:09	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/28/11 15:09	1
o-Xylene	1.0	U	1.0		ug/L			07/28/11 15:09	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*07/28/11 15:09*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/28/11 15:09*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/28/11 15:09*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Acenaphthylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Acetophenone	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
alpha,alpha-Dimethyl phenethylamine	9.9	U *	9.9		ug/L		07/23/11 13:18	08/09/11 21:01	1
4-Aminobiphenyl	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Aniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Aramite, Total	1.5	U *	1.5		ug/L		07/23/11 13:18	08/09/11 21:01	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Bis(2-ethylhexyl) phthalate	**3.7**	**B ***	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Chrysene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Diallate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Dibenzofuran	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1

Client Sample ID: MW-29 (072111)
Date Collected: 07/21/11 12:57
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-25
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Dimethoate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
3,3'-Dimethylbenzidine	20	U *	20		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Dinoseb	2.0	U *	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Disulfoton	0.99	U *	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Famphur	0.99	U *	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Fluorene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Hexachloroethane	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Hexachlorophene	500	U *	500		ug/L		07/23/11 13:18	08/09/11 21:01	1
Hexachloropropene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Isophorone	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Isosafrole	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Methapyrilene	200	U *	200		ug/L		07/23/11 13:18	08/09/11 21:01	1
3-Methylcholanthrene	0.99	U *	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Methyl parathion	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Naphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
1-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Nitrobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1

Client Sample ID: MW-29 (072111)
Date Collected: 07/21/11 12:57
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-25
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitro-o-toluidine	0.99	U *	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
p-Dimethylamino azobenzene	5.0	U *	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Phenacetin	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Phenanthrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Phenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Phorate	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Picoline	2.0	U *	2.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
p-Phenylene diamine	200	U *	200		ug/L		07/23/11 13:18	08/09/11 21:01	1
Pronamide	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 21:01	1
Pyridine	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 21:01	1
Safrole, Total	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Sulfotepp	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
Thionazin	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2-Toluidine	0.99	U *	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/23/11 13:18	08/09/11 21:01	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*57*		*27 - 130*	*07/23/11 13:18*	*08/09/11 21:01*	*1*
Nitrobenzene-d5 (Surr)	*62*		*32 - 130*	*07/23/11 13:18*	*08/09/11 21:01*	*1*
Terphenyl-d14 (Surr)	*96*		*36 - 130*	*07/23/11 13:18*	*08/09/11 21:01*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*30 - 130*	*07/23/11 13:18*	*08/09/11 21:01*	*1*
2-Fluorophenol (Surr)	*56*		*25 - 130*	*07/23/11 13:18*	*08/09/11 21:01*	*1*
2-Fluorobiphenyl	*71*		*34 - 130*	*07/23/11 13:18*	*08/09/11 21:01*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MWD-29 (072111)
Date Collected: 07/21/11 14:05
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-26
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 15:38	1
Acetonitrile	40	U	40		ug/L			07/28/11 15:38	1
Acrolein	20	U	20		ug/L			07/28/11 15:38	1
Acrylonitrile	20	U	20		ug/L			07/28/11 15:38	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 15:38	1
Benzene	1.0	U	1.0		ug/L			07/28/11 15:38	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 15:38	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
2-Butanone	10	U	10		ug/L			07/28/11 15:38	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 15:38	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 15:38	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:38	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 15:38	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 15:38	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 15:38	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:38	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 15:38	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 15:38	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 15:38	1
2-Hexanone	10	U	10		ug/L			07/28/11 15:38	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 15:38	1
Isobutanol	40	U	40		ug/L			07/28/11 15:38	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 15:38	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 15:38	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 15:38	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 15:38	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 15:38	1
Propionitrile	20	U	20		ug/L			07/28/11 15:38	1
Styrene	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 15:38	1
Toluene	1.0	U	1.0		ug/L			07/28/11 15:38	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 15:38	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 15:38	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 15:38	1

Client Sample ID: MWD-29 (072111)

Lab Sample ID: 680-70633-26

Date Collected: 07/21/11 14:05
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 15:38	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 15:38	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 15:38	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 15:38	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 15:38	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 15:38	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/28/11 15:38	1
o-Xylene	1.0	U	1.0		ug/L			07/28/11 15:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*07/28/11 15:38*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/28/11 15:38*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/28/11 15:38*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Acenaphthylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Acetophenone	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
alpha,alpha-Dimethyl phenethylamine	10	U *	10		ug/L		07/23/11 13:18	08/10/11 16:31	1
4-Aminobiphenyl	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Aniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Aramite, Total	1.5	U *	1.5		ug/L		07/23/11 13:18	08/10/11 16:31	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Bis(2-ethylhexyl) phthalate	**2.7**	*** B**	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Chrysene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Diallate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Dibenzofuran	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1

Client Sample ID: MWD-29 (072111)

Date Collected: 07/21/11 14:05
Date Received: 07/21/11 15:25

Lab Sample ID: 680-70633-26
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Dimethoate	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
3,3'-Dimethylbenzidine	20	U *	20		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,4-Dinitrophenol	10	U	10		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Dinoseb	2.0	U *	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Disulfoton	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Famphur	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Fluorene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Hexachloroethane	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Hexachlorophene	500	U *	500		ug/L		07/23/11 13:18	08/10/11 16:31	1
Hexachloropropene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Isophorone	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Isosafrole	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Methapyrilene	200	U *	200		ug/L		07/23/11 13:18	08/10/11 16:31	1
3-Methylcholanthrene	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Methyl parathion	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Naphthalene	**0.22**		0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Naphthylamine	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Nitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1

Client Sample ID: MWD-29 (072111)

Lab Sample ID: 680-70633-26

Date Collected: 07/21/11 14:05
Date Received: 07/21/11 15:25

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitro-o-toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
p-Dimethylamino azobenzene	5.0	U *	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Phenacetin	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Phenanthrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Phenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Phorate	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Picoline	2.0	U *	2.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
p-Phenylene diamine	200	U *	200		ug/L		07/23/11 13:18	08/10/11 16:31	1
Pronamide	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/10/11 16:31	1
Pyridine	5.0	U	5.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Safrole, Total	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Sulfotepp	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
Thionazin	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2-Toluidine	1.0	U *	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/10/11 16:31	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*60*		*27 - 130*	*07/23/11 13:18*	*08/10/11 16:31*	*1*
Nitrobenzene-d5 (Surr)	*62*		*32 - 130*	*07/23/11 13:18*	*08/10/11 16:31*	*1*
Terphenyl-d14 (Surr)	*84*		*36 - 130*	*07/23/11 13:18*	*08/10/11 16:31*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*30 - 130*	*07/23/11 13:18*	*08/10/11 16:31*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 130*	*07/23/11 13:18*	*08/10/11 16:31*	*1*
2-Fluorobiphenyl	*66*		*34 - 130*	*07/23/11 13:18*	*08/10/11 16:31*	*1*

Surrogate Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
680-70633-1	MW-F12 (071911)	91	100	106
680-70633-1 MS	MW-F12 (071911)	106	100	105
680-70633-1 MSD	MW-F12 (071911)	101	99	98
680-70633-2	MW-F11 (071911)	91	100	106
680-70633-3	MW-F6 (072011)	88	96	107
680-70633-4	MW-F5 (072011)	89	99	106
680-70633-5	MW-F3R (072011)	90	98	108
680-70633-6	MW-F16 (072011)	91	98	110
680-70633-7	MW-25 (072011)	89	100	106
680-70633-8	MWD-25 (072011)	91	100	107
680-70633-9	MW-F2 (071911)	90	98	108
680-70633-10	MW-F19 (071911)	90	98	108
680-70633-11	MW-F1 (071911)	88	100	106
680-70633-12	TB01 (072011)	89	99	106
680-70633-13	MW-24 (072011)	101	111	101
680-70633-14	MWD-24 (072011)	102	103	102
680-70633-15	MW-23 (072011)	98	113	100
680-70633-16	MW-F13 (072111)	90	96	106
680-70633-17	MW-F14 (072111)	89	99	106
680-70633-18	MW-F21 (072111)	89	104	107
680-70633-19	DUP-02 (072111)	100	101	102
680-70633-20	MWD-23 (072011)	102	112	100
680-70633-21	MW-F8 (072111)	103	108	101
680-70633-22	MW-F9 (072111)	91	98	106
680-70633-23	MW-22 (072111)	103	101	101
680-70633-24	MWD-22 (072111)	103	104	99
680-70633-25	MW-29 (072111)	104	103	101
680-70633-26	MWD-29 (072111)	102	101	101
LCS 680-209886/5	Lab Control Sample	106	101	104
LCS 680-209908/13	Lab Control Sample	104	92	102
LCS 680-210132/16	Lab Control Sample	107	116	98
LCS 680-210192/5	Lab Control Sample	107	114	99
LCS 680-210251/9	Lab Control Sample	104	102	104
LCS 680-210497/4	Lab Control Sample	100	100	98
LCSD 680-209886/6	Lab Control Sample Dup	104	97	103
LCSD 680-209908/14	Lab Control Sample Dup	109	94	103
LCSD 680-210132/17	Lab Control Sample Dup	107	116	96
LCSD 680-210192/6	Lab Control Sample Dup	105	115	97
LCSD 680-210251/10	Lab Control Sample Dup	101	103	102
LCSD 680-210497/5	Lab Control Sample Dup	98	101	98
MB 680-209886/8	Method Blank	91	98	107
MB 680-209908/16	Method Blank	90	100	106
MB 680-210132/19	Method Blank	103	115	101
MB 680-210192/8	Method Blank	101	101	104
MB 680-210251/12	Method Blank	103	101	101

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	NBZ	TPH	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(27-130)	(32-130)	(36-130)	(30-130)	(25-130)	(34-130)
680-70633-1	MW-F12 (071911)	0 D	0 D	0 D	0 D	0 D	0 D
680-70633-1 MS	MW-F12 (071911)	0 D	0 D	0 D	0 D	0 D	0 D
680-70633-1 MSD	MW-F12 (071911)	0 D	0 D	0 D	0 D	0 D	0 D
680-70633-2	MW-F11 (071911)	0 D	0 D	0 D	0 D	0 D	0 D
680-70633-3	MW-F6 (072011)	40	47	61	58	42	44
680-70633-4	MW-F5 (072011)	40	45	56	57	41	41
680-70633-5	MW-F3R (072011)	45	47	61	65	43	44
680-70633-6	MW-F16 (072011)	42	49	60	59	46	42
680-70633-7	MW-25 (072011)	33	39	56	51	35	32 X
680-70633-8	MWD-25 (072011)	33	35	53	46	33	31 X
680-70633-9	MW-F2 (071911)	41	44	58	60	39	39
680-70633-10	MW-F19 (071911)	44	47	54	53	47	45
680-70633-11	MW-F1 (071911)	30	31 X	37	33	30	29 X
680-70633-13	MW-24 (072011)	43	49	49	45	45	42
680-70633-14	MWD-24 (072011)	45	47	52	49	47	42
680-70633-15	MW-23 (072011)	47	48	47	51	47	42
680-70633-16	MW-F13 (072111)	55	59	82	77	52	61
680-70633-17	MW-F14 (072111)	44	59	82	61	55	50
680-70633-18	MW-F21 (072111)	0 D	0 D	0 D	0 D	0 D	0 D
680-70633-19	DUP-02 (072111)	0 D	0 D	0 D	0 D	0 D	0 D
680-70633-20	MWD-23 (072011)	60	72	73	85	66	70
680-70633-21	MW-F8 (072111)	62	72	76	80	67	71
680-70633-22	MW-F9 (072111)	55	65	91	61	59	65
680-70633-23	MW-22 (072111)	59	61	78	71	58	63
680-70633-24	MWD-22 (072111)	53	62	85	65	58	64
680-70633-25	MW-29 (072111)	57	62	96	71	56	71
680-70633-26	MWD-29 (072111)	60	62	84	79	58	66
LCS 680-209662/22-A	Lab Control Sample	55	57	67	66	55	56
LCS 680-209662/25-A	Lab Control Sample	49	52	64	62	47	49
LCS 680-209813/7-A	Lab Control Sample	76	83	113	82	77	91
LCS 680-209813/9-A	Lab Control Sample	63	68	115	82	64	76
LCSD 680-209813/10-A	Lab Control Sample Dup	71	80	127	80	74	84
LCSD 680-209813/8-A	Lab Control Sample Dup	68	79	115	77	69	87
MB 680-209662/21-A	Method Blank	55	57	68	62	54	56
MB 680-209813/6-A	Method Blank	61	78	111	62	65	86

Surrogate Legend

PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-209886/8
Matrix: Water
Analysis Batch: 209886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/23/11 23:33	1
Acetonitrile	40	U	40		ug/L			07/23/11 23:33	1
Acrolein	20	U	20		ug/L			07/23/11 23:33	1
Acrylonitrile	20	U	20		ug/L			07/23/11 23:33	1
Allyl chloride	1.0	U	1.0		ug/L			07/23/11 23:33	1
Benzene	1.0	U	1.0		ug/L			07/23/11 23:33	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
Bromoform	1.0	U	1.0		ug/L			07/23/11 23:33	1
Bromomethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
2-Butanone	10	U	10		ug/L			07/23/11 23:33	1
Carbon disulfide	2.0	U	2.0		ug/L			07/23/11 23:33	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/23/11 23:33	1
Chlorobenzene	1.0	U	1.0		ug/L			07/23/11 23:33	1
Chloroethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
Chloroform	1.0	U	1.0		ug/L			07/23/11 23:33	1
Chloromethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
Chloroprene	1.0	U	1.0		ug/L			07/23/11 23:33	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/23/11 23:33	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
Dibromomethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/23/11 23:33	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,4-Dioxane	50	U	50		ug/L			07/23/11 23:33	1
Ethylbenzene	1.0	U	1.0		ug/L			07/23/11 23:33	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/23/11 23:33	1
2-Hexanone	10	U	10		ug/L			07/23/11 23:33	1
Iodomethane	5.0	U	5.0		ug/L			07/23/11 23:33	1
Isobutanol	40	U	40		ug/L			07/23/11 23:33	1
Methacrylonitrile	20	U	20		ug/L			07/23/11 23:33	1
Methylene Chloride	5.0	U	5.0		ug/L			07/23/11 23:33	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/23/11 23:33	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/23/11 23:33	1
Pentachloroethane	5.0	U	5.0		ug/L			07/23/11 23:33	1
Propionitrile	20	U	20		ug/L			07/23/11 23:33	1
Styrene	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/23/11 23:33	1
Toluene	1.0	U	1.0		ug/L			07/23/11 23:33	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/23/11 23:33	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/23/11 23:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-209886/8
Matrix: Water
Analysis Batch: 209886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
Trichloroethene	1.0	U	1.0		ug/L			07/23/11 23:33	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/23/11 23:33	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/23/11 23:33	1
Vinyl acetate	2.0	U	2.0		ug/L			07/23/11 23:33	1
Vinyl chloride	1.0	U	1.0		ug/L			07/23/11 23:33	1
Xylenes, Total	2.0	U	2.0		ug/L			07/23/11 23:33	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/23/11 23:33	1
o-Xylene	1.0	U	1.0		ug/L			07/23/11 23:33	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*07/23/11 23:33*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/23/11 23:33*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*07/23/11 23:33*	*1*

Lab Sample ID: LCS 680-209886/5
Matrix: Water
Analysis Batch: 209886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	95.7		ug/L		96	26 - 180
Benzene	50.0	52.0		ug/L		104	70 - 130
Bromodichloromethane	50.0	52.6		ug/L		105	70 - 130
Bromoform	50.0	47.3		ug/L		95	70 - 130
Bromomethane	50.0	32.1		ug/L		64	23 - 165
2-Butanone	100	97.6		ug/L		98	49 - 172
Carbon disulfide	50.0	51.2		ug/L		102	54 - 132
Carbon tetrachloride	50.0	49.7		ug/L		99	70 - 130
Chlorobenzene	50.0	51.8		ug/L		104	70 - 130
Chloroethane	50.0	56.7		ug/L		113	56 - 152
Chloroform	50.0	52.6		ug/L		105	70 - 130
Chloromethane	50.0	47.8		ug/L		96	70 - 130
cis-1,3-Dichloropropene	50.0	53.7		ug/L		107	70 - 130
Dibromochloromethane	50.0	49.0		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.4		ug/L		93	70 - 130
1,2-Dibromoethane	50.0	50.1		ug/L		100	70 - 130
Dibromomethane	50.0	50.1		ug/L		100	70 - 130
1,2-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 130
1,3-Dichlorobenzene	50.0	44.0		ug/L		88	70 - 130
1,4-Dichlorobenzene	50.0	45.0		ug/L		90	70 - 130
Dichlorodifluoromethane	50.0	53.1		ug/L		106	44 - 146
1,1-Dichloroethane	50.0	53.7		ug/L		107	70 - 130
1,2-Dichloroethane	50.0	50.9		ug/L		102	70 - 130
1,1-Dichloroethene	50.0	48.8		ug/L		98	66 - 131
1,2-Dichloropropane	50.0	52.1		ug/L		104	70 - 130
Ethylbenzene	50.0	54.0		ug/L		108	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-209886/5
Matrix: Water
Analysis Batch: 209886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Hexanone	100	106		ug/L		106	42 - 185
Methylene Chloride	50.0	50.1		ug/L		100	67 - 130
4-Methyl-2-pentanone	100	101		ug/L		101	70 - 130
Styrene	50.0	45.4		ug/L		91	70 - 130
1,1,1,2-Tetrachloroethane	50.0	44.1		ug/L		88	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/L		105	70 - 130
Tetrachloroethene	50.0	51.5		ug/L		103	70 - 130
Toluene	50.0	54.5		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	54.0		ug/L		108	70 - 130
trans-1,3-Dichloropropene	50.0	47.5		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	50.0	47.5		ug/L		95	65 - 130
1,1,1-Trichloroethane	50.0	52.7		ug/L		105	70 - 130
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
Trichloroethene	50.0	51.7		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	48.2		ug/L		96	55 - 156
1,2,3-Trichloropropane	50.0	52.1		ug/L		104	70 - 130
Vinyl acetate	100	110		ug/L		110	60 - 176
Vinyl chloride	50.0	47.9		ug/L		96	67 - 134
Xylenes, Total	150	136		ug/L		91	70 - 130
m-Xylene & p-Xylene	100	90.5		ug/L		90	70 - 130
o-Xylene	50.0	45.4		ug/L		91	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 680-209886/6
Matrix: Water
Analysis Batch: 209886

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	93.6		ug/L		94	26 - 180	2	50
Benzene	50.0	51.4		ug/L		103	70 - 130	1	30
Bromodichloromethane	50.0	51.2		ug/L		102	70 - 130	3	30
Bromoform	50.0	46.0		ug/L		92	70 - 130	3	30
Bromomethane	50.0	42.0		ug/L		84	23 - 165	27	50
2-Butanone	100	94.3		ug/L		94	49 - 172	3	30
Carbon disulfide	50.0	47.7		ug/L		95	54 - 132	7	30
Carbon tetrachloride	50.0	49.1		ug/L		98	70 - 130	1	30
Chlorobenzene	50.0	49.7		ug/L		99	70 - 130	4	30
Chloroethane	50.0	54.1		ug/L		108	56 - 152	5	40
Chloroform	50.0	51.0		ug/L		102	70 - 130	3	30
Chloromethane	50.0	47.2		ug/L		94	70 - 130	1	30
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	70 - 130	1	30
Dibromochloromethane	50.0	47.7		ug/L		95	70 - 130	3	50
1,2-Dibromo-3-Chloropropane	50.0	45.5		ug/L		91	70 - 130	2	50
1,2-Dibromoethane	50.0	50.0		ug/L		100	70 - 130	0	30
Dibromomethane	50.0	50.0		ug/L		100	70 - 130	0	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-209886/6
Matrix: Water
Analysis Batch: 209886

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	50.0	43.1		ug/L		86	70 - 130	5	30
1,3-Dichlorobenzene	50.0	42.9		ug/L		86	70 - 130	3	30
1,4-Dichlorobenzene	50.0	44.0		ug/L		88	70 - 130	2	30
Dichlorodifluoromethane	50.0	50.6		ug/L		101	44 - 146	5	50
1,1-Dichloroethane	50.0	51.9		ug/L		104	70 - 130	3	30
1,2-Dichloroethane	50.0	50.9		ug/L		102	70 - 130	0	30
1,1-Dichloroethene	50.0	48.4		ug/L		97	66 - 131	1	30
1,2-Dichloropropane	50.0	51.0		ug/L		102	70 - 130	2	30
Ethylbenzene	50.0	52.3		ug/L		105	70 - 130	3	30
2-Hexanone	100	104		ug/L		104	42 - 185	2	30
Methylene Chloride	50.0	48.3		ug/L		97	67 - 130	4	30
4-Methyl-2-pentanone	100	101		ug/L		101	70 - 130	1	30
Styrene	50.0	43.4		ug/L		87	70 - 130	4	30
1,1,1,2-Tetrachloroethane	50.0	43.0		ug/L		86	70 - 130	3	30
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 130	2	30
Tetrachloroethene	50.0	48.2		ug/L		96	70 - 130	7	30
Toluene	50.0	52.6		ug/L		105	70 - 130	4	30
trans-1,2-Dichloroethene	50.0	51.9		ug/L		104	70 - 130	4	30
trans-1,3-Dichloropropene	50.0	47.8		ug/L		96	70 - 130	1	50
1,2,4-Trichlorobenzene	50.0	46.2		ug/L		92	65 - 130	3	30
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 130	3	30
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130	2	30
Trichloroethene	50.0	50.7		ug/L		101	70 - 130	2	30
Trichlorofluoromethane	50.0	46.7		ug/L		93	55 - 156	3	30
1,2,3-Trichloropropane	50.0	51.3		ug/L		103	70 - 130	2	30
Vinyl acetate	100	107		ug/L		107	60 - 176	3	30
Vinyl chloride	50.0	46.7		ug/L		93	67 - 134	3	30
Xylenes, Total	150	130		ug/L		87	70 - 130	4	30
m-Xylene & p-Xylene	100	86.6		ug/L		87	70 - 130	4	30
o-Xylene	50.0	43.6		ug/L		87	70 - 130	4	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 680-209908/16
Matrix: Water
Analysis Batch: 209908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/25/11 03:19	1
Acetonitrile	40	U	40		ug/L			07/25/11 03:19	1
Acrolein	20	U	20		ug/L			07/25/11 03:19	1
Acrylonitrile	20	U	20		ug/L			07/25/11 03:19	1
Allyl chloride	1.0	U	1.0		ug/L			07/25/11 03:19	1
Benzene	1.0	U	1.0		ug/L			07/25/11 03:19	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
Bromoform	1.0	U	1.0		ug/L			07/25/11 03:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-209908/16
Matrix: Water
Analysis Batch: 209908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
2-Butanone	10	U	10		ug/L			07/25/11 03:19	1
Carbon disulfide	2.0	U	2.0		ug/L			07/25/11 03:19	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/25/11 03:19	1
Chlorobenzene	1.0	U	1.0		ug/L			07/25/11 03:19	1
Chloroethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
Chloroform	1.0	U	1.0		ug/L			07/25/11 03:19	1
Chloromethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
Chloroprene	1.0	U	1.0		ug/L			07/25/11 03:19	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/25/11 03:19	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
Dibromomethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/25/11 03:19	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,4-Dioxane	50	U	50		ug/L			07/25/11 03:19	1
Ethylbenzene	1.0	U	1.0		ug/L			07/25/11 03:19	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/25/11 03:19	1
2-Hexanone	10	U	10		ug/L			07/25/11 03:19	1
Iodomethane	5.0	U	5.0		ug/L			07/25/11 03:19	1
Isobutanol	40	U	40		ug/L			07/25/11 03:19	1
Methacrylonitrile	20	U	20		ug/L			07/25/11 03:19	1
Methylene Chloride	5.0	U	5.0		ug/L			07/25/11 03:19	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/25/11 03:19	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/25/11 03:19	1
Pentachloroethane	5.0	U	5.0		ug/L			07/25/11 03:19	1
Propionitrile	20	U	20		ug/L			07/25/11 03:19	1
Styrene	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/25/11 03:19	1
Toluene	1.0	U	1.0		ug/L			07/25/11 03:19	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/25/11 03:19	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/25/11 03:19	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
Trichloroethene	1.0	U	1.0		ug/L			07/25/11 03:19	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/25/11 03:19	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/25/11 03:19	1
Vinyl acetate	2.0	U	2.0		ug/L			07/25/11 03:19	1
Vinyl chloride	1.0	U	1.0		ug/L			07/25/11 03:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-209908/16 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 209908

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	2.0	U	2.0		ug/L			07/25/11 03:19	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/25/11 03:19	1
o-Xylene	1.0	U	1.0		ug/L			07/25/11 03:19	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*07/25/11 03:19*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/25/11 03:19*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/25/11 03:19*	*1*

Lab Sample ID: LCS 680-209908/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 209908

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	100		ug/L		100	26 - 180
Benzene	50.0	48.7		ug/L		97	70 - 130
Bromodichloromethane	50.0	46.8		ug/L		94	70 - 130
Bromoform	50.0	44.9		ug/L		90	70 - 130
Bromomethane	50.0	39.4		ug/L		79	23 - 165
2-Butanone	100	99.7		ug/L		100	49 - 172
Carbon disulfide	50.0	45.1		ug/L		90	54 - 132
Carbon tetrachloride	50.0	44.9		ug/L		90	70 - 130
Chlorobenzene	50.0	49.9		ug/L		100	70 - 130
Chloroethane	50.0	54.4		ug/L		109	56 - 152
Chloroform	50.0	45.6		ug/L		91	70 - 130
Chloromethane	50.0	40.1		ug/L		80	70 - 130
cis-1,3-Dichloropropene	50.0	51.5		ug/L		103	70 - 130
Dibromochloromethane	50.0	44.8		ug/L		90	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.3		ug/L		93	70 - 130
1,2-Dibromoethane	50.0	47.6		ug/L		95	70 - 130
Dibromomethane	50.0	49.5		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	43.8		ug/L		88	70 - 130
1,3-Dichlorobenzene	50.0	42.5		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	43.7		ug/L		87	70 - 130
Dichlorodifluoromethane	50.0	41.0		ug/L		82	44 - 146
1,1-Dichloroethane	50.0	47.1		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	49.4		ug/L		99	70 - 130
1,1-Dichloroethene	50.0	42.1		ug/L		84	66 - 131
1,2-Dichloropropane	50.0	51.1		ug/L		102	70 - 130
1,4-Dioxane	500	543		ug/L		109	50 - 150
Ethylbenzene	50.0	53.2		ug/L		106	70 - 130
2-Hexanone	100	108		ug/L		108	42 - 185
Methylene Chloride	50.0	43.0		ug/L		86	67 - 130
4-Methyl-2-pentanone	100	105		ug/L		105	70 - 130
Styrene	50.0	44.3		ug/L		89	70 - 130
1,1,1,2-Tetrachloroethane	50.0	42.4		ug/L		85	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.3		ug/L		105	70 - 130
Tetrachloroethene	50.0	48.3		ug/L		97	70 - 130
Toluene	50.0	52.8		ug/L		106	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-209908/13
Matrix: Water
Analysis Batch: 209908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
trans-1,2-Dichloroethene	50.0	45.5		ug/L		91	70 - 130
trans-1,3-Dichloropropene	50.0	45.6		ug/L		91	70 - 130
1,2,4-Trichlorobenzene	50.0	43.7		ug/L		87	65 - 130
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	70 - 130
Trichloroethene	50.0	45.5		ug/L		91	70 - 130
Trichlorofluoromethane	50.0	44.3		ug/L		89	55 - 156
1,2,3-Trichloropropane	50.0	52.1		ug/L		104	70 - 130
Vinyl acetate	100	115		ug/L		115	60 - 176
Vinyl chloride	50.0	43.5		ug/L		87	67 - 134
Xylenes, Total	150	129		ug/L		86	70 - 130
m-Xylene & p-Xylene	100	85.8		ug/L		86	70 - 130
o-Xylene	50.0	43.1		ug/L		86	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*92*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 680-209908/14
Matrix: Water
Analysis Batch: 209908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	104		ug/L		104	26 - 180	4	50
Benzene	50.0	48.7		ug/L		97	70 - 130	0	30
Bromodichloromethane	50.0	48.8		ug/L		98	70 - 130	4	30
Bromoform	50.0	46.5		ug/L		93	70 - 130	3	30
Bromomethane	50.0	42.4		ug/L		85	23 - 165	7	50
2-Butanone	100	103		ug/L		103	49 - 172	3	30
Carbon disulfide	50.0	45.8		ug/L		92	54 - 132	2	30
Carbon tetrachloride	50.0	45.6		ug/L		91	70 - 130	1	30
Chlorobenzene	50.0	51.1		ug/L		102	70 - 130	2	30
Chloroethane	50.0	54.0		ug/L		108	56 - 152	1	40
Chloroform	50.0	48.8		ug/L		98	70 - 130	7	30
Chloromethane	50.0	40.2		ug/L		80	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	52.8		ug/L		106	70 - 130	2	30
Dibromochloromethane	50.0	45.8		ug/L		92	70 - 130	2	50
1,2-Dibromo-3-Chloropropane	50.0	48.3		ug/L		97	70 - 130	4	50
1,2-Dibromoethane	50.0	50.7		ug/L		101	70 - 130	6	30
Dibromomethane	50.0	50.4		ug/L		101	70 - 130	2	30
1,2-Dichlorobenzene	50.0	44.4		ug/L		89	70 - 130	1	30
1,3-Dichlorobenzene	50.0	43.8		ug/L		88	70 - 130	3	30
1,4-Dichlorobenzene	50.0	45.4		ug/L		91	70 - 130	4	30
Dichlorodifluoromethane	50.0	42.1		ug/L		84	44 - 146	2	50
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130	2	30
1,2-Dichloroethane	50.0	48.9		ug/L		98	70 - 130	1	30
1,1-Dichloroethene	50.0	43.0		ug/L		86	66 - 131	2	30
1,2-Dichloropropane	50.0	50.2		ug/L		100	70 - 130	2	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-209908/14
Matrix: Water
Analysis Batch: 209908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	500	50	U *	ug/L		0	50 - 150	200	50
Ethylbenzene	50.0	54.2		ug/L		108	70 - 130	2	30
2-Hexanone	100	110		ug/L		110	42 - 185	2	30
Methylene Chloride	50.0	44.3		ug/L		89	67 - 130	3	30
4-Methyl-2-pentanone	100	105		ug/L		105	70 - 130	0	30
Styrene	50.0	45.4		ug/L		91	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	44.1		ug/L		88	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	53.4		ug/L		107	70 - 130	2	30
Tetrachloroethene	50.0	50.2		ug/L		100	70 - 130	4	30
Toluene	50.0	53.1		ug/L		106	70 - 130	0	30
trans-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 130	5	30
trans-1,3-Dichloropropene	50.0	46.0		ug/L		92	70 - 130	1	50
1,2,4-Trichlorobenzene	50.0	46.1		ug/L		92	65 - 130	5	30
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	70 - 130	2	30
1,1,2-Trichloroethane	50.0	52.1		ug/L		104	70 - 130	1	30
Trichloroethene	50.0	48.4		ug/L		97	70 - 130	6	30
Trichlorofluoromethane	50.0	44.6		ug/L		89	55 - 156	1	30
1,2,3-Trichloropropane	50.0	53.3		ug/L		107	70 - 130	2	30
Vinyl acetate	100	117		ug/L		117	60 - 176	1	30
Vinyl chloride	50.0	43.9		ug/L		88	67 - 134	1	30
Xylenes, Total	150	132		ug/L		88	70 - 130	2	30
m-Xylene & p-Xylene	100	88.2		ug/L		88	70 - 130	3	30
o-Xylene	50.0	43.8		ug/L		88	70 - 130	2	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: 680-70633-1 MS
Matrix: Water
Analysis Batch: 209908

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	25	U	100	116		ug/L		104	26 - 180
Benzene	1.0	U	50.0	49.2		ug/L		98	70 - 130
Bromodichloromethane	1.0	U	50.0	48.1		ug/L		96	70 - 130
Bromoform	1.0	U	50.0	44.2		ug/L		88	70 - 130
Bromomethane	1.0	U	50.0	33.4		ug/L		67	23 - 165
2-Butanone	10	U	100	101		ug/L		101	49 - 172
Carbon disulfide	2.0	U	50.0	49.9		ug/L		100	54 - 132
Carbon tetrachloride	1.0	U	50.0	47.6		ug/L		95	70 - 130
Chlorobenzene	1.0	U	50.0	51.8		ug/L		104	70 - 130
Chloroethane	1.0	U	50.0	53.6		ug/L		107	56 - 152
Chloroform	1.0	U	50.0	49.6		ug/L		99	70 - 130
Chloromethane	1.0	U	50.0	39.1		ug/L		78	70 - 130
cis-1,3-Dichloropropene	1.0	U	50.0	51.3		ug/L		103	70 - 130
Dibromochloromethane	1.0	U	50.0	44.6		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	1.0	U	50.0	47.7		ug/L		95	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70633-1 MS
Matrix: Water
Analysis Batch: 209908

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dibromoethane	1.0	U	50.0	49.2		ug/L		98	70 - 130
Dibromomethane	1.0	U	50.0	47.6		ug/L		95	70 - 130
1,2-Dichlorobenzene	1.0	U	50.0	44.8		ug/L		90	70 - 130
1,3-Dichlorobenzene	1.0	U	50.0	44.8		ug/L		90	70 - 130
1,4-Dichlorobenzene	1.0	U	50.0	46.3		ug/L		93	70 - 130
Dichlorodifluoromethane	1.0	U	50.0	37.2		ug/L		74	44 - 146
1,1-Dichloroethane	1.0	U	50.0	50.6		ug/L		101	70 - 130
1,2-Dichloroethane	1.0	U	50.0	47.6		ug/L		95	70 - 130
1,1-Dichloroethene	1.0	U	50.0	45.3		ug/L		91	66 - 131
1,2-Dichloropropane	1.0	U	50.0	48.3		ug/L		97	70 - 130
Ethylbenzene	1.0	U	50.0	55.2		ug/L		110	70 - 130
2-Hexanone	10	U	100	109		ug/L		109	42 - 185
Methylene Chloride	5.0	U	50.0	46.3		ug/L		93	67 - 130
4-Methyl-2-pentanone	10	U	100	104		ug/L		104	70 - 130
Styrene	1.0	U	50.0	45.9		ug/L		92	70 - 130
1,1,1,2-Tetrachloroethane	1.0	U	50.0	43.6		ug/L		87	70 - 130
1,1,2,2-Tetrachloroethane	1.0	U	50.0	52.6		ug/L		105	70 - 130
Tetrachloroethene	1.0	U	50.0	51.6		ug/L		103	70 - 130
Toluene	1.0	U	50.0	54.1		ug/L		108	70 - 130
trans-1,2-Dichloroethene	1.0	U	50.0	49.5		ug/L		99	70 - 130
trans-1,3-Dichloropropene	1.0	U	50.0	44.0		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	1.0	U	50.0	46.9		ug/L		94	65 - 130
1,1,1-Trichloroethane	1.0	U	50.0	50.7		ug/L		101	70 - 130
1,1,2-Trichloroethane	1.0	U	50.0	50.2		ug/L		100	70 - 130
Trichloroethene	1.0	U	50.0	48.5		ug/L		97	70 - 130
Trichlorofluoromethane	1.0	U	50.0	45.7		ug/L		91	55 - 156
1,2,3-Trichloropropane	1.0	U	50.0	50.6		ug/L		101	70 - 130
Vinyl acetate	2.0	U	100	86.3		ug/L		86	60 - 176
Vinyl chloride	1.0	U	50.0	43.4		ug/L		87	67 - 134
Xylenes, Total	2.0	U	150	135		ug/L		90	70 - 130
m-Xylene & p-Xylene	2.0	U	100	90.9		ug/L		91	70 - 130
o-Xylene	1.0	U	50.0	44.5		ug/L		89	70 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: 680-70633-1 MSD
Matrix: Water
Analysis Batch: 209908

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	25	U	100	111		ug/L		99	26 - 180	5	50
Benzene	1.0	U	50.0	46.0		ug/L		92	70 - 130	7	30
Bromodichloromethane	1.0	U	50.0	45.4		ug/L		91	70 - 130	6	30
Bromoform	1.0	U	50.0	42.9		ug/L		86	70 - 130	3	30
Bromomethane	1.0	U	50.0	41.5		ug/L		83	23 - 165	22	50
2-Butanone	10	U	100	94.4		ug/L		94	49 - 172	7	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70633-1 MSD
Matrix: Water
Analysis Batch: 209908

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Carbon disulfide	2.0	U	50.0	47.9		ug/L		96	54 - 132	4	30
Carbon tetrachloride	1.0	U	50.0	45.0		ug/L		90	70 - 130	6	30
Chlorobenzene	1.0	U	50.0	48.8		ug/L		98	70 - 130	6	30
Chloroethane	1.0	U	50.0	47.5		ug/L		95	56 - 152	12	40
Chloroform	1.0	U	50.0	47.0		ug/L		94	70 - 130	5	30
Chloromethane	1.0	U	50.0	36.0		ug/L		72	70 - 130	8	30
cis-1,3-Dichloropropene	1.0	U	50.0	47.7		ug/L		95	70 - 130	7	30
Dibromochloromethane	1.0	U	50.0	43.0		ug/L		86	70 - 130	4	50
1,2-Dibromo-3-Chloropropane	1.0	U	50.0	44.1		ug/L		88	70 - 130	8	50
1,2-Dibromoethane	1.0	U	50.0	46.9		ug/L		94	70 - 130	5	30
Dibromomethane	1.0	U	50.0	45.6		ug/L		91	70 - 130	4	30
1,2-Dichlorobenzene	1.0	U	50.0	42.5		ug/L		85	70 - 130	5	30
1,3-Dichlorobenzene	1.0	U	50.0	41.7		ug/L		83	70 - 130	7	30
1,4-Dichlorobenzene	1.0	U	50.0	42.9		ug/L		86	70 - 130	8	30
Dichlorodifluoromethane	1.0	U	50.0	34.5		ug/L		69	44 - 146	8	50
1,1-Dichloroethane	1.0	U	50.0	48.4		ug/L		97	70 - 130	5	30
1,2-Dichloroethane	1.0	U	50.0	44.2		ug/L		88	70 - 130	7	30
1,1-Dichloroethene	1.0	U	50.0	43.8		ug/L		88	66 - 131	3	30
1,2-Dichloropropane	1.0	U	50.0	46.3		ug/L		93	70 - 130	4	30
Ethylbenzene	1.0	U	50.0	51.7		ug/L		103	70 - 130	6	30
2-Hexanone	10	U	100	101		ug/L		101	42 - 185	8	30
Methylene Chloride	5.0	U	50.0	45.3		ug/L		91	67 - 130	2	30
4-Methyl-2-pentanone	10	U	100	95.5		ug/L		95	70 - 130	8	30
Styrene	1.0	U	50.0	43.2		ug/L		86	70 - 130	6	30
1,1,1,2-Tetrachloroethane	1.0	U	50.0	42.0		ug/L		84	70 - 130	4	30
1,1,2,2-Tetrachloroethane	1.0	U	50.0	49.3		ug/L		99	70 - 130	6	30
Tetrachloroethene	1.0	U	50.0	49.9		ug/L		100	70 - 130	3	30
Toluene	1.0	U	50.0	50.3		ug/L		101	70 - 130	7	30
trans-1,2-Dichloroethene	1.0	U	50.0	47.2		ug/L		94	70 - 130	5	30
trans-1,3-Dichloropropene	1.0	U	50.0	41.1		ug/L		82	70 - 130	7	50
1,2,4-Trichlorobenzene	1.0	U	50.0	44.1		ug/L		88	65 - 130	6	30
1,1,1-Trichloroethane	1.0	U	50.0	48.1		ug/L		96	70 - 130	5	30
1,1,2-Trichloroethane	1.0	U	50.0	47.9		ug/L		96	70 - 130	5	30
Trichloroethene	1.0	U	50.0	46.0		ug/L		92	70 - 130	5	30
Trichlorofluoromethane	1.0	U	50.0	42.1		ug/L		84	55 - 156	8	30
1,2,3-Trichloropropane	1.0	U	50.0	48.2		ug/L		96	70 - 130	5	30
Vinyl acetate	2.0	U	100	81.8		ug/L		82	60 - 176	5	30
Vinyl chloride	1.0	U	50.0	40.2		ug/L		80	67 - 134	8	30
Xylenes, Total	2.0	U	150	127		ug/L		85	70 - 130	6	30
m-Xylene & p-Xylene	2.0	U	100	85.1		ug/L		85	70 - 130	7	30
o-Xylene	1.0	U	50.0	42.3		ug/L		85	70 - 130	5	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210132/19
Matrix: Water
Analysis Batch: 210132

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 11:44	1
Acetonitrile	40	U	40		ug/L			07/26/11 11:44	1
Acrolein	20	U	20		ug/L			07/26/11 11:44	1
Acrylonitrile	20	U	20		ug/L			07/26/11 11:44	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 11:44	1
Benzene	1.0	U	1.0		ug/L			07/26/11 11:44	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 11:44	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
2-Butanone	10	U	10		ug/L			07/26/11 11:44	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 11:44	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 11:44	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 11:44	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 11:44	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 11:44	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 11:44	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 11:44	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 11:44	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 11:44	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 11:44	1
2-Hexanone	10	U	10		ug/L			07/26/11 11:44	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 11:44	1
Isobutanol	40	U	40		ug/L			07/26/11 11:44	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 11:44	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 11:44	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 11:44	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 11:44	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 11:44	1
Propionitrile	20	U	20		ug/L			07/26/11 11:44	1
Styrene	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 11:44	1
Toluene	1.0	U	1.0		ug/L			07/26/11 11:44	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 11:44	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 11:44	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210132/19
Matrix: Water
Analysis Batch: 210132

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 11:44	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 11:44	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 11:44	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 11:44	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 11:44	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 11:44	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/26/11 11:44	1
o-Xylene	1.0	U	1.0		ug/L			07/26/11 11:44	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*07/26/11 11:44*	*1*
Dibromofluoromethane	*115*		*70 - 130*		*07/26/11 11:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/26/11 11:44*	*1*

Lab Sample ID: LCS 680-210132/16
Matrix: Water
Analysis Batch: 210132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	96.8		ug/L		97	26 - 180
Benzene	50.0	47.6		ug/L		95	70 - 130
Bromodichloromethane	50.0	47.1		ug/L		94	70 - 130
Bromoform	50.0	52.6		ug/L		105	70 - 130
Bromomethane	50.0	45.8		ug/L		92	23 - 165
2-Butanone	100	93.5		ug/L		94	49 - 172
Carbon disulfide	50.0	55.2		ug/L		110	54 - 132
Carbon tetrachloride	50.0	44.9		ug/L		90	70 - 130
Chlorobenzene	50.0	52.9		ug/L		106	70 - 130
Chloroethane	50.0	37.9		ug/L		76	56 - 152
Chloroform	50.0	55.9		ug/L		112	70 - 130
Chloromethane	50.0	42.8		ug/L		86	70 - 130
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	70 - 130
Dibromochloromethane	50.0	53.6		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.0		ug/L		106	70 - 130
1,2-Dibromoethane	50.0	53.7		ug/L		107	70 - 130
Dibromomethane	50.0	45.3		ug/L		91	70 - 130
1,2-Dichlorobenzene	50.0	60.1		ug/L		120	70 - 130
1,3-Dichlorobenzene	50.0	57.8		ug/L		116	70 - 130
1,4-Dichlorobenzene	50.0	59.6		ug/L		119	70 - 130
Dichlorodifluoromethane	50.0	47.7		ug/L		95	44 - 146
1,1-Dichloroethane	50.0	52.1		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	41.0		ug/L		82	70 - 130
1,1-Dichloroethene	50.0	55.1		ug/L		110	66 - 131
1,2-Dichloropropane	50.0	45.2		ug/L		90	70 - 130
1,4-Dioxane	500	529		ug/L		106	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210132/16
Matrix: Water
Analysis Batch: 210132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Ethylbenzene	50.0	53.0		ug/L		106	70 - 130
2-Hexanone	100	97.5		ug/L		97	42 - 185
Methylene Chloride	50.0	57.1		ug/L		114	67 - 130
4-Methyl-2-pentanone	100	85.3		ug/L		85	70 - 130
Styrene	50.0	44.7		ug/L		89	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.1		ug/L		108	70 - 130
Tetrachloroethene	50.0	59.2		ug/L		118	70 - 130
Toluene	50.0	49.4		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	54.3		ug/L		109	70 - 130
trans-1,3-Dichloropropene	50.0	44.6		ug/L		89	70 - 130
1,2,4-Trichlorobenzene	50.0	66.7	*	ug/L		133	65 - 130
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	70 - 130
1,1,2-Trichloroethane	50.0	47.6		ug/L		95	70 - 130
Trichloroethene	50.0	53.3		ug/L		107	70 - 130
Trichlorofluoromethane	50.0	40.2		ug/L		80	55 - 156
1,2,3-Trichloropropane	50.0	56.5		ug/L		113	70 - 130
Vinyl acetate	100	143		ug/L		143	60 - 176
Vinyl chloride	50.0	42.6		ug/L		85	67 - 134
Xylenes, Total	150	132		ug/L		88	70 - 130
m-Xylene & p-Xylene	100	86.5		ug/L		87	70 - 130
o-Xylene	50.0	45.4		ug/L		91	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*70 - 130*
Dibromofluoromethane	*116*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 680-210132/17
Matrix: Water
Analysis Batch: 210132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	92.4		ug/L		92	26 - 180	5	50
Benzene	50.0	46.2		ug/L		92	70 - 130	3	30
Bromodichloromethane	50.0	46.3		ug/L		93	70 - 130	2	30
Bromoform	50.0	52.4		ug/L		105	70 - 130	0	30
Bromomethane	50.0	45.2		ug/L		90	23 - 165	1	50
2-Butanone	100	95.5		ug/L		95	49 - 172	2	30
Carbon disulfide	50.0	56.3		ug/L		113	54 - 132	2	30
Carbon tetrachloride	50.0	43.6		ug/L		87	70 - 130	3	30
Chlorobenzene	50.0	52.4		ug/L		105	70 - 130	1	30
Chloroethane	50.0	36.6		ug/L		73	56 - 152	3	40
Chloroform	50.0	55.5		ug/L		111	70 - 130	1	30
Chloromethane	50.0	42.7		ug/L		85	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	48.7		ug/L		97	70 - 130	2	30
Dibromochloromethane	50.0	52.2		ug/L		104	70 - 130	3	50
1,2-Dibromo-3-Chloropropane	50.0	53.4		ug/L		107	70 - 130	1	50
1,2-Dibromoethane	50.0	54.1		ug/L		108	70 - 130	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210132/17
Matrix: Water
Analysis Batch: 210132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Dibromomethane	50.0	46.0		ug/L		92	70 - 130	2	30
1,2-Dichlorobenzene	50.0	60.1		ug/L		120	70 - 130	0	30
1,3-Dichlorobenzene	50.0	58.5		ug/L		117	70 - 130	1	30
1,4-Dichlorobenzene	50.0	58.3		ug/L		117	70 - 130	2	30
Dichlorodifluoromethane	50.0	46.1		ug/L		92	44 - 146	3	50
1,1-Dichloroethane	50.0	51.1		ug/L		102	70 - 130	2	30
1,2-Dichloroethane	50.0	41.8		ug/L		84	70 - 130	2	30
1,1-Dichloroethene	50.0	55.9		ug/L		112	66 - 131	1	30
1,2-Dichloropropane	50.0	44.9		ug/L		90	70 - 130	1	30
1,4-Dioxane	500	499		ug/L		100	50 - 150	6	50
Ethylbenzene	50.0	51.8		ug/L		104	70 - 130	2	30
2-Hexanone	100	95.8		ug/L		96	42 - 185	2	30
Methylene Chloride	50.0	58.7		ug/L		117	67 - 130	3	30
4-Methyl-2-pentanone	100	83.1		ug/L		83	70 - 130	3	30
Styrene	50.0	44.4		ug/L		89	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	50.3		ug/L		101	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	53.0		ug/L		106	70 - 130	2	30
Tetrachloroethene	50.0	57.5		ug/L		115	70 - 130	3	30
Toluene	50.0	47.7		ug/L		95	70 - 130	3	30
trans-1,2-Dichloroethene	50.0	54.3		ug/L		109	70 - 130	0	30
trans-1,3-Dichloropropene	50.0	44.9		ug/L		90	70 - 130	1	50
1,2,4-Trichlorobenzene	50.0	69.5	*	ug/L		139	65 - 130	4	30
1,1,1-Trichloroethane	50.0	46.9		ug/L		94	70 - 130	5	30
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	70 - 130	1	30
Trichloroethene	50.0	51.8		ug/L		104	70 - 130	3	30
Trichlorofluoromethane	50.0	38.2		ug/L		76	55 - 156	5	30
1,2,3-Trichloropropane	50.0	56.7		ug/L		113	70 - 130	0	30
Vinyl acetate	100	142		ug/L		142	60 - 176	1	30
Vinyl chloride	50.0	42.6		ug/L		85	67 - 134	0	30
Xylenes, Total	150	132		ug/L		88	70 - 130	0	30
m-Xylene & p-Xylene	100	86.4		ug/L		86	70 - 130	0	30
o-Xylene	50.0	45.2		ug/L		90	70 - 130	0	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*70 - 130*
Dibromofluoromethane	*116*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 680-210192/8
Matrix: Water
Analysis Batch: 210192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 23:20	1
Acetonitrile	40	U	40		ug/L			07/26/11 23:20	1
Acrolein	20	U	20		ug/L			07/26/11 23:20	1
Acrylonitrile	20	U	20		ug/L			07/26/11 23:20	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 23:20	1
Benzene	1.0	U	1.0		ug/L			07/26/11 23:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210192/8
Matrix: Water
Analysis Batch: 210192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 23:20	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
2-Butanone	10	U	10		ug/L			07/26/11 23:20	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 23:20	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 23:20	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 23:20	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 23:20	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 23:20	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 23:20	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 23:20	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 23:20	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 23:20	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 23:20	1
2-Hexanone	10	U	10		ug/L			07/26/11 23:20	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 23:20	1
Isobutanol	40	U	40		ug/L			07/26/11 23:20	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 23:20	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 23:20	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 23:20	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 23:20	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 23:20	1
Propionitrile	20	U	20		ug/L			07/26/11 23:20	1
Styrene	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 23:20	1
Toluene	1.0	U	1.0		ug/L			07/26/11 23:20	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 23:20	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 23:20	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 23:20	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 23:20	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 23:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210192/8
Matrix: Water
Analysis Batch: 210192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 23:20	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 23:20	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 23:20	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/26/11 23:20	1
o-Xylene	1.0	U	1.0		ug/L			07/26/11 23:20	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/26/11 23:20*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/26/11 23:20*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/26/11 23:20*	*1*

Lab Sample ID: LCS 680-210192/5
Matrix: Water
Analysis Batch: 210192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	89.9		ug/L		90	26 - 180
Benzene	50.0	48.1		ug/L		96	70 - 130
Bromodichloromethane	50.0	49.6		ug/L		99	70 - 130
Bromoform	50.0	53.1		ug/L		106	70 - 130
Bromomethane	50.0	42.5		ug/L		85	23 - 165
2-Butanone	100	96.4		ug/L		96	49 - 172
Carbon disulfide	50.0	54.1		ug/L		108	54 - 132
Carbon tetrachloride	50.0	46.4		ug/L		93	70 - 130
Chlorobenzene	50.0	53.0		ug/L		106	70 - 130
Chloroethane	50.0	38.7		ug/L		77	56 - 152
Chloroform	50.0	55.4		ug/L		111	70 - 130
Chloromethane	50.0	41.3		ug/L		83	70 - 130
cis-1,3-Dichloropropene	50.0	50.7		ug/L		101	70 - 130
Dibromochloromethane	50.0	54.3		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.6		ug/L		95	70 - 130
1,2-Dibromoethane	50.0	54.0		ug/L		108	70 - 130
Dibromomethane	50.0	46.6		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	57.3		ug/L		115	70 - 130
1,3-Dichlorobenzene	50.0	57.6		ug/L		115	70 - 130
1,4-Dichlorobenzene	50.0	57.3		ug/L		115	70 - 130
Dichlorodifluoromethane	50.0	45.2		ug/L		90	44 - 146
1,1-Dichloroethane	50.0	52.5		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	42.0		ug/L		84	70 - 130
1,1-Dichloroethene	50.0	55.1		ug/L		110	66 - 131
1,2-Dichloropropane	50.0	46.8		ug/L		94	70 - 130
1,4-Dioxane	500	590		ug/L		118	50 - 150
Ethylbenzene	50.0	53.2		ug/L		106	70 - 130
2-Hexanone	100	96.4		ug/L		96	42 - 185
Methylene Chloride	50.0	54.4		ug/L		109	67 - 130
4-Methyl-2-pentanone	100	84.2		ug/L		84	70 - 130
Styrene	50.0	44.2		ug/L		88	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/L		106	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210192/5
Matrix: Water
Analysis Batch: 210192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tetrachloroethene	50.0	59.2		ug/L		118	70 - 130
Toluene	50.0	49.2		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	55.0		ug/L		110	70 - 130
trans-1,3-Dichloropropene	50.0	45.8		ug/L		92	70 - 130
1,2,4-Trichlorobenzene	50.0	63.4		ug/L		127	65 - 130
1,1,1-Trichloroethane	50.0	50.0		ug/L		100	70 - 130
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	70 - 130
Trichloroethene	50.0	52.6		ug/L		105	70 - 130
Trichlorofluoromethane	50.0	42.3		ug/L		85	55 - 156
1,2,3-Trichloropropane	50.0	55.1		ug/L		110	70 - 130
Vinyl acetate	100	148		ug/L		148	60 - 176
Vinyl chloride	50.0	43.1		ug/L		86	67 - 134
Xylenes, Total	150	133		ug/L		89	70 - 130
m-Xylene & p-Xylene	100	88.0		ug/L		88	70 - 130
o-Xylene	50.0	45.3		ug/L		91	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*70 - 130*
Dibromofluoromethane	*114*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 680-210192/6
Matrix: Water
Analysis Batch: 210192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	95.2		ug/L		95	26 - 180	6	50
Benzene	50.0	47.4		ug/L		95	70 - 130	1	30
Bromodichloromethane	50.0	48.6		ug/L		97	70 - 130	2	30
Bromoform	50.0	53.3		ug/L		107	70 - 130	0	30
Bromomethane	50.0	46.1		ug/L		92	23 - 165	8	50
2-Butanone	100	96.6		ug/L		97	49 - 172	0	30
Carbon disulfide	50.0	52.6		ug/L		105	54 - 132	3	30
Carbon tetrachloride	50.0	45.1		ug/L		90	70 - 130	3	30
Chlorobenzene	50.0	52.4		ug/L		105	70 - 130	1	30
Chloroethane	50.0	35.7		ug/L		71	56 - 152	8	40
Chloroform	50.0	55.0		ug/L		110	70 - 130	1	30
Chloromethane	50.0	40.5		ug/L		81	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	50.0		ug/L		100	70 - 130	1	30
Dibromochloromethane	50.0	54.3		ug/L		109	70 - 130	0	50
1,2-Dibromo-3-Chloropropane	50.0	51.9		ug/L		104	70 - 130	9	50
1,2-Dibromoethane	50.0	53.9		ug/L		108	70 - 130	0	30
Dibromomethane	50.0	46.6		ug/L		93	70 - 130	0	30
1,2-Dichlorobenzene	50.0	60.2		ug/L		120	70 - 130	5	30
1,3-Dichlorobenzene	50.0	58.6		ug/L		117	70 - 130	2	30
1,4-Dichlorobenzene	50.0	59.5		ug/L		119	70 - 130	4	30
Dichlorodifluoromethane	50.0	43.6		ug/L		87	44 - 146	4	50
1,1-Dichloroethane	50.0	51.9		ug/L		104	70 - 130	1	30
1,2-Dichloroethane	50.0	42.6		ug/L		85	70 - 130	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210192/6
Matrix: Water
Analysis Batch: 210192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	54.3		ug/L		109	66 - 131	1	30
1,2-Dichloropropane	50.0	45.0		ug/L		90	70 - 130	4	30
1,4-Dioxane	500	457		ug/L		91	50 - 150	25	50
Ethylbenzene	50.0	52.7		ug/L		105	70 - 130	1	30
2-Hexanone	100	97.1		ug/L		97	42 - 185	1	30
Methylene Chloride	50.0	55.0		ug/L		110	67 - 130	1	30
4-Methyl-2-pentanone	100	86.0		ug/L		86	70 - 130	2	30
Styrene	50.0	43.3		ug/L		87	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	52.2		ug/L		104	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/L		108	70 - 130	2	30
Tetrachloroethene	50.0	57.5		ug/L		115	70 - 130	3	30
Toluene	50.0	48.1		ug/L		96	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	45.9		ug/L		92	70 - 130	0	50
1,2,4-Trichlorobenzene	50.0	61.1		ug/L		122	65 - 130	4	30
1,1,1-Trichloroethane	50.0	48.7		ug/L		97	70 - 130	3	30
1,1,2-Trichloroethane	50.0	48.5		ug/L		97	70 - 130	1	30
Trichloroethene	50.0	52.0		ug/L		104	70 - 130	1	30
Trichlorofluoromethane	50.0	39.9		ug/L		80	55 - 156	6	30
1,2,3-Trichloropropane	50.0	59.0		ug/L		118	70 - 130	7	30
Vinyl acetate	100	151		ug/L		151	60 - 176	2	30
Vinyl chloride	50.0	40.6		ug/L		81	67 - 134	6	30
Xylenes, Total	150	131		ug/L		87	70 - 130	2	30
m-Xylene & p-Xylene	100	86.4		ug/L		86	70 - 130	2	30
o-Xylene	50.0	44.2		ug/L		88	70 - 130	2	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
Dibromofluoromethane	*115*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 680-210251/12
Matrix: Water
Analysis Batch: 210251

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/27/11 12:39	1
Acetonitrile	40	U	40		ug/L			07/27/11 12:39	1
Acrolein	20	U	20		ug/L			07/27/11 12:39	1
Acrylonitrile	20	U	20		ug/L			07/27/11 12:39	1
Allyl chloride	1.0	U	1.0		ug/L			07/27/11 12:39	1
Benzene	1.0	U	1.0		ug/L			07/27/11 12:39	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
Bromoform	1.0	U	1.0		ug/L			07/27/11 12:39	1
Bromomethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
2-Butanone	10	U	10		ug/L			07/27/11 12:39	1
Carbon disulfide	2.0	U	2.0		ug/L			07/27/11 12:39	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/27/11 12:39	1
Chlorobenzene	1.0	U	1.0		ug/L			07/27/11 12:39	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210251/12
Matrix: Water
Analysis Batch: 210251

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
Chloroform	1.0	U	1.0		ug/L			07/27/11 12:39	1
Chloromethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
Chloroprene	1.0	U	1.0		ug/L			07/27/11 12:39	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/27/11 12:39	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
Dibromomethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/27/11 12:39	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,4-Dioxane	50	U	50		ug/L			07/27/11 12:39	1
Ethylbenzene	1.0	U	1.0		ug/L			07/27/11 12:39	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/27/11 12:39	1
2-Hexanone	10	U	10		ug/L			07/27/11 12:39	1
Iodomethane	5.0	U	5.0		ug/L			07/27/11 12:39	1
Isobutanol	40	U	40		ug/L			07/27/11 12:39	1
Methacrylonitrile	20	U	20		ug/L			07/27/11 12:39	1
Methylene Chloride	5.0	U	5.0		ug/L			07/27/11 12:39	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/27/11 12:39	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/27/11 12:39	1
Pentachloroethane	5.0	U	5.0		ug/L			07/27/11 12:39	1
Propionitrile	20	U	20		ug/L			07/27/11 12:39	1
Styrene	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/27/11 12:39	1
Toluene	1.0	U	1.0		ug/L			07/27/11 12:39	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/27/11 12:39	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/27/11 12:39	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
Trichloroethene	1.0	U	1.0		ug/L			07/27/11 12:39	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/27/11 12:39	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/27/11 12:39	1
Vinyl acetate	2.0	U	2.0		ug/L			07/27/11 12:39	1
Vinyl chloride	1.0	U	1.0		ug/L			07/27/11 12:39	1
Xylenes, Total	2.0	U	2.0		ug/L			07/27/11 12:39	1
m-Xylene & p-Xylene	2.0	U	2.0		ug/L			07/27/11 12:39	1
o-Xylene	1.0	U	1.0		ug/L			07/27/11 12:39	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210251/12
Matrix: Water
Analysis Batch: 210251

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		07/27/11 12:39	1
Dibromofluoromethane	101		70 - 130		07/27/11 12:39	1
Toluene-d8 (Surr)	101		70 - 130		07/27/11 12:39	1

Lab Sample ID: LCS 680-210251/9
Matrix: Water
Analysis Batch: 210251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	111		ug/L		111	26 - 180
Benzene	50.0	48.8		ug/L		98	70 - 130
Bromodichloromethane	50.0	42.0		ug/L		84	70 - 130
Bromoform	50.0	34.5	*	ug/L		69	70 - 130
Bromomethane	50.0	32.3		ug/L		65	23 - 165
2-Butanone	100	110		ug/L		110	49 - 172
Carbon disulfide	50.0	51.6		ug/L		103	54 - 132
Carbon tetrachloride	50.0	37.4		ug/L		75	70 - 130
Chlorobenzene	50.0	53.1		ug/L		106	70 - 130
Chloroethane	50.0	49.7		ug/L		99	56 - 152
Chloroform	50.0	46.4		ug/L		93	70 - 130
Chloromethane	50.0	59.5		ug/L		119	70 - 130
cis-1,3-Dichloropropene	50.0	47.0		ug/L		94	70 - 130
Dibromochloromethane	50.0	38.1		ug/L		76	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.3		ug/L		95	70 - 130
1,2-Dibromoethane	50.0	53.4		ug/L		107	70 - 130
Dibromomethane	50.0	50.6		ug/L		101	70 - 130
1,2-Dichlorobenzene	50.0	55.0		ug/L		110	70 - 130
1,3-Dichlorobenzene	50.0	55.1		ug/L		110	70 - 130
1,4-Dichlorobenzene	50.0	55.4		ug/L		111	70 - 130
Dichlorodifluoromethane	50.0	51.1		ug/L		102	44 - 146
1,1-Dichloroethane	50.0	47.4		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130
1,1-Dichloroethene	50.0	46.4		ug/L		93	66 - 131
1,2-Dichloropropane	50.0	49.7		ug/L		99	70 - 130
1,4-Dioxane	500	603		ug/L		121	50 - 150
Ethylbenzene	50.0	51.0		ug/L		102	70 - 130
2-Hexanone	100	104		ug/L		104	42 - 185
Methylene Chloride	50.0	51.3		ug/L		103	67 - 130
4-Methyl-2-pentanone	100	104		ug/L		104	70 - 130
Styrene	50.0	53.7		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	50.0	45.3		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	50.0	53.0		ug/L		106	70 - 130
Tetrachloroethene	50.0	52.6		ug/L		105	70 - 130
Toluene	50.0	49.5		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	44.9		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	50.0	55.9		ug/L		112	65 - 130
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	70 - 130
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210251/9
Matrix: Water
Analysis Batch: 210251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Trichloroethene	50.0	51.3		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	51.0		ug/L		102	55 - 156
1,2,3-Trichloropropane	50.0	52.2		ug/L		104	70 - 130
Vinyl acetate	100	76.8		ug/L		77	60 - 176
Vinyl chloride	50.0	51.2		ug/L		102	67 - 134
Xylenes, Total	150	153		ug/L		102	70 - 130
m-Xylene & p-Xylene	100	102		ug/L		102	70 - 130
o-Xylene	50.0	51.0		ug/L		102	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 680-210251/10
Matrix: Water
Analysis Batch: 210251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	109		ug/L		109	26 - 180	2	50
Benzene	50.0	47.2		ug/L		94	70 - 130	3	30
Bromodichloromethane	50.0	41.9		ug/L		84	70 - 130	0	30
Bromoform	50.0	35.1		ug/L		70	70 - 130	2	30
Bromomethane	50.0	33.5		ug/L		67	23 - 165	4	50
2-Butanone	100	105		ug/L		105	49 - 172	4	30
Carbon disulfide	50.0	53.2		ug/L		106	54 - 132	3	30
Carbon tetrachloride	50.0	38.6		ug/L		77	70 - 130	3	30
Chlorobenzene	50.0	52.0		ug/L		104	70 - 130	2	30
Chloroethane	50.0	49.8		ug/L		100	56 - 152	0	40
Chloroform	50.0	46.7		ug/L		93	70 - 130	1	30
Chloromethane	50.0	61.4		ug/L		123	70 - 130	3	30
cis-1,3-Dichloropropene	50.0	45.1		ug/L		90	70 - 130	4	30
Dibromochloromethane	50.0	38.5		ug/L		77	70 - 130	1	50
1,2-Dibromo-3-Chloropropane	50.0	47.0		ug/L		94	70 - 130	1	50
1,2-Dibromoethane	50.0	51.8		ug/L		104	70 - 130	3	30
Dibromomethane	50.0	49.2		ug/L		98	70 - 130	3	30
1,2-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 130	2	30
1,3-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130	2	30
1,4-Dichlorobenzene	50.0	53.4		ug/L		107	70 - 130	4	30
Dichlorodifluoromethane	50.0	51.9		ug/L		104	44 - 146	2	50
1,1-Dichloroethane	50.0	47.4		ug/L		95	70 - 130	0	30
1,2-Dichloroethane	50.0	46.2		ug/L		92	70 - 130	4	30
1,1-Dichloroethene	50.0	48.2		ug/L		96	66 - 131	4	30
1,2-Dichloropropane	50.0	47.6		ug/L		95	70 - 130	4	30
1,4-Dioxane	500	591		ug/L		118	50 - 150	2	50
Ethylbenzene	50.0	48.9		ug/L		98	70 - 130	4	30
2-Hexanone	100	97.2		ug/L		97	42 - 185	6	30
Methylene Chloride	50.0	51.6		ug/L		103	67 - 130	1	30
4-Methyl-2-pentanone	100	96.6		ug/L		97	70 - 130	7	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210251/10
Matrix: Water
Analysis Batch: 210251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Styrene	50.0	52.0		ug/L		104	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	44.7		ug/L		89	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	50.1		ug/L		100	70 - 130	6	30
Tetrachloroethene	50.0	51.7		ug/L		103	70 - 130	2	30
Toluene	50.0	48.2		ug/L		96	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	44.6		ug/L		89	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	45.5		ug/L		91	70 - 130	5	50
1,2,4-Trichlorobenzene	50.0	55.4		ug/L		111	65 - 130	1	30
1,1,1-Trichloroethane	50.0	46.8		ug/L		94	70 - 130	1	30
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	70 - 130	4	30
Trichloroethene	50.0	49.5		ug/L		99	70 - 130	4	30
Trichlorofluoromethane	50.0	53.7		ug/L		107	55 - 156	5	30
1,2,3-Trichloropropane	50.0	49.7		ug/L		99	70 - 130	5	30
Vinyl acetate	100	74.4		ug/L		74	60 - 176	3	30
Vinyl chloride	50.0	52.9		ug/L		106	67 - 134	3	30
Xylenes, Total	150	148		ug/L		99	70 - 130	3	30
m-Xylene & p-Xylene	100	98.5		ug/L		98	70 - 130	4	30
o-Xylene	50.0	49.7		ug/L		99	70 - 130	3	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCS 680-210497/4
Matrix: Water
Analysis Batch: 210497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	115		ug/L		115	26 - 180
Benzene	50.0	46.7		ug/L		93	70 - 130
Bromodichloromethane	50.0	40.1		ug/L		80	70 - 130
Bromoform	50.0	30.9	*	ug/L		62	70 - 130
Bromomethane	50.0	39.0		ug/L		78	23 - 165
2-Butanone	100	104		ug/L		104	49 - 172
Carbon disulfide	50.0	49.9		ug/L		100	54 - 132
Carbon tetrachloride	50.0	33.9	*	ug/L		68	70 - 130
Chlorobenzene	50.0	50.3		ug/L		101	70 - 130
Chloroethane	50.0	51.6		ug/L		103	56 - 152
Chloroform	50.0	48.2		ug/L		96	70 - 130
Chloromethane	50.0	60.7		ug/L		121	70 - 130
cis-1,3-Dichloropropene	50.0	43.6		ug/L		87	70 - 130
Dibromochloromethane	50.0	35.7		ug/L		71	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	42.6		ug/L		85	70 - 130
1,2-Dibromoethane	50.0	48.8		ug/L		98	70 - 130
Dibromomethane	50.0	46.6		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130
1,3-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210497/4
Matrix: Water
Analysis Batch: 210497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dichlorodifluoromethane	50.0	51.4		ug/L		103	44 - 146
1,1-Dichloroethane	50.0	46.8		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	45.4		ug/L		91	70 - 130
1,1-Dichloroethene	50.0	49.1		ug/L		98	66 - 131
1,2-Dichloropropane	50.0	46.2		ug/L		92	70 - 130
1,4-Dioxane	500	556		ug/L		111	50 - 150
Ethylbenzene	50.0	48.0		ug/L		96	70 - 130
2-Hexanone	100	97.2		ug/L		97	42 - 185
Methylene Chloride	50.0	52.4		ug/L		105	67 - 130
4-Methyl-2-pentanone	100	90.7		ug/L		91	70 - 130
Styrene	50.0	50.7		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	50.0	40.6		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.0		ug/L		98	70 - 130
Tetrachloroethene	50.0	50.2		ug/L		100	70 - 130
Toluene	50.0	47.5		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	42.9		ug/L		86	70 - 130
1,2,4-Trichlorobenzene	50.0	54.3		ug/L		109	65 - 130
1,1,1-Trichloroethane	50.0	43.0		ug/L		86	70 - 130
1,1,2-Trichloroethane	50.0	47.4		ug/L		95	70 - 130
Trichloroethene	50.0	48.2		ug/L		96	70 - 130
Trichlorofluoromethane	50.0	51.2		ug/L		102	55 - 156
1,2,3-Trichloropropane	50.0	51.0		ug/L		102	70 - 130
Vinyl acetate	100	86.8		ug/L		87	60 - 176
Vinyl chloride	50.0	52.3		ug/L		105	67 - 134
Xylenes, Total	150	147		ug/L		98	70 - 130
m-Xylene & p-Xylene	100	97.4		ug/L		97	70 - 130
o-Xylene	50.0	50.0		ug/L		100	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 680-210497/5
Matrix: Water
Analysis Batch: 210497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	114		ug/L		114	26 - 180	0	50
Benzene	50.0	45.9		ug/L		92	70 - 130	2	30
Bromodichloromethane	50.0	41.3		ug/L		83	70 - 130	3	30
Bromoform	50.0	31.7	*	ug/L		63	70 - 130	3	30
Bromomethane	50.0	44.6		ug/L		89	23 - 165	14	50
2-Butanone	100	103		ug/L		103	49 - 172	1	30
Carbon disulfide	50.0	50.4		ug/L		101	54 - 132	1	30
Carbon tetrachloride	50.0	36.1		ug/L		72	70 - 130	6	30
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130	1	30
Chloroethane	50.0	54.0		ug/L		108	56 - 152	4	40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210497/5
Matrix: Water
Analysis Batch: 210497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloroform	50.0	48.4		ug/L		97	70 - 130	1	30
Chloromethane	50.0	60.5		ug/L		121	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	42.9		ug/L		86	70 - 130	2	30
Dibromochloromethane	50.0	37.7		ug/L		75	70 - 130	5	50
1,2-Dibromo-3-Chloropropane	50.0	41.7		ug/L		83	70 - 130	2	50
1,2-Dibromoethane	50.0	47.1		ug/L		94	70 - 130	4	30
Dibromomethane	50.0	45.8		ug/L		92	70 - 130	2	30
1,2-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130	0	30
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 130	1	30
1,4-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130	1	30
Dichlorodifluoromethane	50.0	52.3		ug/L		105	44 - 146	2	50
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130	2	30
1,2-Dichloroethane	50.0	44.4		ug/L		89	70 - 130	2	30
1,1-Dichloroethene	50.0	50.7		ug/L		101	66 - 131	3	30
1,2-Dichloropropane	50.0	45.9		ug/L		92	70 - 130	1	30
1,4-Dioxane	500	520		ug/L		104	50 - 150	7	50
Ethylbenzene	50.0	48.3		ug/L		97	70 - 130	1	30
2-Hexanone	100	92.3		ug/L		92	42 - 185	5	30
Methylene Chloride	50.0	50.8		ug/L		102	67 - 130	3	30
4-Methyl-2-pentanone	100	88.8		ug/L		89	70 - 130	2	30
Styrene	50.0	50.9		ug/L		102	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	42.1		ug/L		84	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 130	1	30
Tetrachloroethene	50.0	51.1		ug/L		102	70 - 130	2	30
Toluene	50.0	47.1		ug/L		94	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	42.2		ug/L		84	70 - 130	2	50
1,2,4-Trichlorobenzene	50.0	54.6		ug/L		109	65 - 130	1	30
1,1,1-Trichloroethane	50.0	44.2		ug/L		88	70 - 130	3	30
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	70 - 130	4	30
Trichloroethene	50.0	48.1		ug/L		96	70 - 130	0	30
Trichlorofluoromethane	50.0	52.9		ug/L		106	55 - 156	3	30
1,2,3-Trichloropropane	50.0	49.2		ug/L		98	70 - 130	4	30
Vinyl acetate	100	87.4		ug/L		87	60 - 176	1	30
Vinyl chloride	50.0	53.0		ug/L		106	67 - 134	1	30
Xylenes, Total	150	148		ug/L		99	70 - 130	0	30
m-Xylene & p-Xylene	100	97.6		ug/L		98	70 - 130	0	30
o-Xylene	50.0	50.2		ug/L		100	70 - 130	0	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 680-209662/21-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Acenaphthylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Acetophenone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Aniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Aramite, Total	1.5	U	1.5		ug/L		07/22/11 15:26	08/03/11 14:48	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Bis(2-ethylhexyl) phthalate	13.2		2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Chrysene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Diallate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Dibenzofuran	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Dimethoate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,4-Dinitrophenol	10	U	10		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-209662/21-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Disulfoton	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Famphur	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Fluoranthene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Fluorene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Hexachloroethane	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Hexachlorophene	500	U	500		ug/L		07/22/11 15:26	08/03/11 14:48	1
Hexachloropropene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Isophorone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Isosafrole	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Methapyrilene	200	U	200		ug/L		07/22/11 15:26	08/03/11 14:48	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Methyl parathion	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Methylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Naphthalene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Nitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-209662/21-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenacetin	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Phenanthrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Phenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Phorate	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Picoline	2.0	U	2.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
p-Phenylene diamine	200	U	200		ug/L		07/22/11 15:26	08/03/11 14:48	1
Pronamide	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Pyrene	0.20	U	0.20		ug/L		07/22/11 15:26	08/03/11 14:48	1
Pyridine	5.0	U	5.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Safrole, Total	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Sulfotepp	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
Thionazin	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2-Toluidine	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/22/11 15:26	08/03/11 14:48	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*55*		*27 - 130*	*07/22/11 15:26*	*08/03/11 14:48*	*1*
Nitrobenzene-d5 (Surr)	*57*		*32 - 130*	*07/22/11 15:26*	*08/03/11 14:48*	*1*
Terphenyl-d14 (Surr)	*68*		*36 - 130*	*07/22/11 15:26*	*08/03/11 14:48*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*30 - 130*	*07/22/11 15:26*	*08/03/11 14:48*	*1*
2-Fluorophenol (Surr)	*54*		*25 - 130*	*07/22/11 15:26*	*08/03/11 14:48*	*1*
2-Fluorobiphenyl	*56*		*34 - 130*	*07/22/11 15:26*	*08/03/11 14:48*	*1*

Lab Sample ID: LCS 680-209662/22-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	2.00	1.15		ug/L		57	42 - 130
Acenaphthylene	2.00	1.21		ug/L		61	45 - 130
Acetophenone	10.0	5.34		ug/L		53	45 - 130
Aniline	10.0	7.26		ug/L		73	10 - 130
Anthracene	2.00	1.14	*	ug/L		57	58 - 130
Benzo[a]anthracene	2.00	1.19		ug/L		60	42 - 143
Benzo[a]pyrene	2.00	1.17		ug/L		59	45 - 151
Benzo[b]fluoranthene	2.00	1.14		ug/L		57	41 - 140
Benzo[g,h,i]perylene	2.00	0.864		ug/L		43	27 - 134
Benzo[k]fluoranthene	2.00	1.15		ug/L		58	45 - 140
Benzyl alcohol	10.0	5.49		ug/L		55	34 - 130
Bis(2-chloroethoxy)methane	10.0	5.62		ug/L		56	47 - 130
Bis(2-chloroethyl)ether	10.0	5.29		ug/L		53	36 - 130
bis (2-chloroisopropyl) ether	10.0	5.22		ug/L		52	39 - 130
Bis(2-ethylhexyl) phthalate	10.0	18.2	*	ug/L		182	10 - 158
4-Bromophenyl phenyl ether	10.0	5.51		ug/L		55	44 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-209662/22-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Butyl benzyl phthalate	10.0	6.29		ug/L		63	60 - 130
4-Chloroaniline	10.0	5.33		ug/L		53	17 - 130
4-Chloro-3-methylphenol	10.0	5.05	*	ug/L		50	54 - 130
2-Chloronaphthalene	10.0	4.95		ug/L		50	48 - 130
2-Chlorophenol	10.0	4.64		ug/L		46	45 - 130
4-Chlorophenyl phenyl ether	10.0	5.53		ug/L		55	52 - 130
Chrysene	2.00	1.11		ug/L		56	40 - 142
Dibenz(a,h)anthracene	2.00	0.894		ug/L		45	38 - 130
Dibenzofuran	10.0	5.51	*	ug/L		55	56 - 130
1,4-Dichlorobenzene	10.0	4.77		ug/L		48	34 - 130
1,3-Dichlorobenzene	10.0	4.14		ug/L		41	31 - 130
1,2-Dichlorobenzene	10.0	4.48		ug/L		45	36 - 130
3,3'-Dichlorobenzidine	10.0	20	U	ug/L		66	10 - 158
2,4-Dichlorophenol	10.0	4.94	*	ug/L		49	58 - 130
Diethyl phthalate	10.0	6.26		ug/L		63	60 - 130
2,4-Dimethylphenol	10.0	4.26		ug/L		43	41 - 130
Dimethyl phthalate	10.0	5.86		ug/L		59	58 - 130
Di-n-butyl phthalate	10.0	5.98		ug/L		60	59 - 130
4,6-Dinitro-2-methylphenol	10.0	5.0	U	ug/L		37	10 - 182
2,4-Dinitrophenol	10.0	10	U	ug/L		44	10 - 200
2,4-Dinitrotoluene	10.0	4.98	*	ug/L		50	57 - 130
2,6-Dinitrotoluene	10.0	5.57		ug/L		56	53 - 130
Di-n-octyl phthalate	10.0	5.29		ug/L		53	19 - 130
1,4-Dioxane	10.0	3.90		ug/L		39	10 - 130
Fluoranthene	2.00	1.16		ug/L		58	46 - 136
Fluorene	2.00	1.15		ug/L		58	48 - 130
Hexachlorobenzene	10.0	5.14		ug/L		51	49 - 130
Hexachlorobutadiene	10.0	4.55		ug/L		46	36 - 130
Hexachlorocyclopentadiene	10.0	4.64		ug/L		46	16 - 130
Hexachloroethane	10.0	4.47		ug/L		45	32 - 130
Indeno[1,2,3-cd]pyrene	2.00	0.806		ug/L		40	12 - 130
Isophorone	10.0	5.05		ug/L		51	45 - 130
2-Methylnaphthalene	2.00	1.11		ug/L		56	51 - 130
2-Methylphenol	10.0	4.82	*	ug/L		48	49 - 130
3 & 4 Methylphenol	10.0	4.81	*	ug/L		48	55 - 130
Naphthalene	2.00	1.09		ug/L		54	35 - 130
4-Nitroaniline	10.0	7.31		ug/L		73	31 - 147
2-Nitroaniline	10.0	5.52		ug/L		55	48 - 130
3-Nitroaniline	10.0	6.25		ug/L		62	18 - 147
Nitrobenzene	10.0	4.88		ug/L		49	45 - 130
4-Nitrophenol	10.0	5.0	U	ug/L		40	36 - 132
2-Nitrophenol	10.0	4.88		ug/L		49	49 - 130
N-Nitrosodimethylamine	10.0	5.10		ug/L		51	29 - 130
N-Nitrosodi-n-propylamine	10.0	5.96		ug/L		60	42 - 130
N-Nitrosodiphenylamine	10.0	5.68		ug/L		57	38 - 130
Pentachlorophenol	10.0	5.92		ug/L		59	12 - 156
Phenanthrene	2.00	1.17		ug/L		58	45 - 134
Phenol	10.0	4.71		ug/L		47	44 - 130
Pyrene	2.00	1.29		ug/L		64	47 - 143
Pyridine	10.0	5.0	U	ug/L		41	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-209662/22-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4,5-Tetrachlorobenzene	10.0	5.42		ug/L		54	10 - 130
2,3,4,6-Tetrachlorophenol	10.0	5.63		ug/L		56	10 - 130
1,2,4-Trichlorobenzene	10.0	4.48		ug/L		45	39 - 130
2,4,6-Trichlorophenol	10.0	4.73	*	ug/L		47	61 - 130
2,4,5-Trichlorophenol	10.0	4.88	*	ug/L		49	61 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*55*		*27 - 130*
Nitrobenzene-d5 (Surr)	*57*		*32 - 130*
Terphenyl-d14 (Surr)	*67*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*66*		*30 - 130*
2-Fluorophenol (Surr)	*55*		*25 - 130*
2-Fluorobiphenyl	*56*		*34 - 130*

Lab Sample ID: LCS 680-209662/25-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Acetylaminofluorene	10.0	7.79		ug/L		78	10 - 130
alpha,alpha-Dimethyl phenethylamine	10.0	10	U	ug/L		44	10 - 130
4-Aminobiphenyl	10.0	5.0	U	ug/L		28	10 - 130
Aramite, Total	10.0	7.28		ug/L		73	10 - 130
Diallate	10.0	5.12		ug/L		51	10 - 130
2,6-Dichlorophenol	10.0	5.78		ug/L		58	10 - 130
Dimethoate	10.0	4.24		ug/L		42	10 - 130
7,12-Dimethylbenz(a)anthracene	10.0	5.80		ug/L		58	10 - 130
3,3'-Dimethylbenzidine	25.0	20	U	ug/L		76	10 - 130
1,3-Dinitrobenzene	10.0	5.49		ug/L		55	10 - 130
Dinoseb	10.0	5.33		ug/L		53	10 - 130
Disulfoton	10.0	4.53		ug/L		45	10 - 130
Ethyl methanesulfonate	10.0	4.98		ug/L		50	10 - 130
Ethyl Parathion	10.0	5.48		ug/L		55	10 - 130
Famphur	10.0	1.0	U *	ug/L		6	10 - 130
Hexachlorophene	50.0	500	U *	ug/L		0.4	10 - 130
Hexachloropropene	10.0	2.92		ug/L		29	10 - 130
Isosafrole	10.0	5.68		ug/L		57	10 - 130
Methapyrilene	50.0	200	U	ug/L		49	10 - 130
3-Methylcholanthrene	10.0	1.76		ug/L		18	10 - 130
Methyl methanesulfonate	10.0	3.14		ug/L		31	10 - 130
Methyl parathion	10.0	4.37		ug/L		44	10 - 130
1,4-Naphthoquinone	10.0	2.33		ug/L		23	10 - 130
1-Naphthylamine	10.0	5.0	U	ug/L		29	10 - 130
2-Naphthylamine	10.0	5.0	U	ug/L		21	10 - 130
4-Nitroquinoline-1-oxide	10.0	4.18		ug/L		42	10 - 130
N-Nitro-o-toluidine	10.0	4.59		ug/L		46	10 - 130
N-Nitrosodiethylamine	10.0	5.36		ug/L		54	10 - 130
N-Nitrosodi-n-butylamine	10.0	5.81		ug/L		58	10 - 130
N-Nitrosomethylethylamine	10.0	5.48		ug/L		55	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-209662/25-A
Matrix: Water
Analysis Batch: 210844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
N-Nitrosomorpholine	10.0	5.51		ug/L		55	10 - 130
N-Nitrosopiperidine	10.0	5.76		ug/L		58	10 - 130
N-Nitrosopyrrolidine	10.0	5.88		ug/L		59	10 - 130
o,o',o''-Triethylphosphorothioate	10.0	5.43		ug/L		54	10 - 130
p-Dimethylamino azobenzene	10.0	7.30		ug/L		73	10 - 130
Pentachlorobenzene	10.0	5.13		ug/L		51	10 - 130
Pentachloronitrobenzene	10.0	5.92		ug/L		59	10 - 130
Phenacetin	10.0	7.22		ug/L		72	10 - 130
Phorate	10.0	5.09		ug/L		51	10 - 130
2-Picoline	10.0	4.85		ug/L		49	10 - 130
p-Phenylene diamine	50.0	200	U	ug/L		13	10 - 130
Pronamide	10.0	6.02		ug/L		60	10 - 130
Safrole, Total	10.0	5.35		ug/L		53	10 - 130
Sulfotepp	10.0	5.32		ug/L		53	10 - 130
1,2,4,5-Tetrachlorobenzene	10.0	4.22		ug/L		42	10 - 130
2,3,4,6-Tetrachlorophenol	10.0	6.33		ug/L		63	10 - 130
Thionazin	10.0	5.67		ug/L		57	10 - 130
2-Toluidine	10.0	4.36		ug/L		44	10 - 130
1,3,5-Trinitrobenzene	10.0	1.50		ug/L		15	10 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*49*		*27 - 130*
Nitrobenzene-d5 (Surr)	*52*		*32 - 130*
Terphenyl-d14 (Surr)	*64*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*62*		*30 - 130*
2-Fluorophenol (Surr)	*47*		*25 - 130*
2-Fluorobiphenyl	*49*		*34 - 130*

Lab Sample ID: 680-70633-1 MS
Matrix: Water
Analysis Batch: 211444

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	2.0	U	2.00	2.0	U	ug/L		94	42 - 130
Acenaphthylene	2.0	U	2.00	2.0	U	ug/L		91	45 - 130
Acetophenone	10	U	9.98	10	U	ug/L		91	45 - 130
Aniline	20	U	9.98	20	U F	ug/L		0	10 - 130
Anthracene	2.0	U *	2.00	2.0	U	ug/L		84	58 - 130
Benzo[a]anthracene	2.0	U	2.00	2.07		ug/L		104	42 - 143
Benzo[a]pyrene	2.0	U	2.00	2.0	U	ug/L		98	45 - 151
Benzo[b]fluoranthene	2.0	U	2.00	2.0	U	ug/L		95	41 - 140
Benzo[g,h,i]perylene	2.0	U	2.00	2.0	U	ug/L		64	27 - 134
Benzo[k]fluoranthene	2.0	U	2.00	2.0	U	ug/L		96	45 - 140
Benzyl alcohol	10	U	9.98	10	U	ug/L		82	34 - 130
Bis(2-chloroethoxy)methane	10	U	9.98	10	U	ug/L		100	47 - 130
Bis(2-chloroethyl)ether	10	U	9.98	10	U	ug/L		90	36 - 130
bis (2-chloroisopropyl) ether	10	U	9.98	10	U	ug/L		94	39 - 130
Bis(2-ethylhexyl) phthalate	41	* B	9.98	25.2	4	ug/L		-162	10 - 158
4-Bromophenyl phenyl ether	10	U	9.98	10	U	ug/L		96	44 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70633-1 MS
Matrix: Water
Analysis Batch: 211444

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Butyl benzyl phthalate	10	U	9.98	10.6		ug/L		106	60 - 130
4-Chloroaniline	20	U	9.98	20	U F	ug/L		0	17 - 130
4-Chloro-3-methylphenol	10	U *	9.98	10	U	ug/L		75	54 - 130
2-Chloronaphthalene	10	U	9.98	10	U	ug/L		80	48 - 130
2-Chlorophenol	10	U	9.98	10	U	ug/L		77	45 - 130
4-Chlorophenyl phenyl ether	10	U	9.98	10	U	ug/L		92	52 - 130
Chrysene	2.0	U	2.00	2.05		ug/L		103	40 - 142
Dibenz(a,h)anthracene	2.0	U	2.00	2.0	U F	ug/L		0	38 - 130
Dibenzofuran	10	U *	9.98	10	U	ug/L		90	56 - 130
1,4-Dichlorobenzene	10	U	9.98	10	U	ug/L		67	34 - 130
1,3-Dichlorobenzene	10	U	9.98	10	U	ug/L		61	31 - 130
1,2-Dichlorobenzene	10	U	9.98	10	U	ug/L		64	36 - 130
3,3'-Dichlorobenzidine	200	U	9.98	200	U	ug/L		NC	10 - 158
2,4-Dichlorophenol	10	U *	9.98	10	U	ug/L		78	58 - 130
Diethyl phthalate	10	U	9.98	10	U	ug/L		96	60 - 130
2,4-Dimethylphenol	20	U	9.98	20	U	ug/L		79	41 - 130
Dimethyl phthalate	10	U	9.98	10	U	ug/L		97	58 - 130
Di-n-butyl phthalate	10	U	9.98	10	U	ug/L		89	59 - 130
4,6-Dinitro-2-methylphenol	50	U	9.98	50	U	ug/L		75	10 - 182
2,4-Dinitrophenol	100	U	9.98	100	U	ug/L		NC	10 - 200
2,4-Dinitrotoluene	10	U *	9.98	10	U	ug/L		78	57 - 130
2,6-Dinitrotoluene	10	U	9.98	10	U	ug/L		93	53 - 130
Di-n-octyl phthalate	10	U	9.98	10	U	ug/L		19	19 - 130
1,4-Dioxane	20	U	9.98	20	U	ug/L		84	10 - 130
Fluoranthene	2.0	U	2.00	2.13		ug/L		107	46 - 136
Fluorene	2.0	U	2.00	2.0	U	ug/L		98	48 - 130
Hexachlorobenzene	10	U	9.98	10	U	ug/L		79	49 - 130
Hexachlorobutadiene	10	U	9.98	10	U	ug/L		68	36 - 130
Hexachlorocyclopentadiene	20	U	9.98	20	U	ug/L		68	16 - 130
Hexachloroethane	10	U	9.98	10	U	ug/L		63	32 - 130
Indeno[1,2,3-cd]pyrene	2.0	U	2.00	2.0	U F	ug/L		0	12 - 130
Isophorone	10	U	9.98	10	U	ug/L		80	45 - 130
2-Methylnaphthalene	2.0	U	2.00	2.0	U	ug/L		84	51 - 130
2-Methylphenol	20	U *	9.98	20	U	ug/L		75	49 - 130
3 & 4 Methylphenol	20	U *	9.98	20	U	ug/L		74	55 - 130
Naphthalene	2.0	U	2.00	2.0	U	ug/L		85	35 - 130
4-Nitroaniline	50	U	9.98	50	U F	ug/L		0	31 - 147
2-Nitroaniline	10	U	9.98	10	U	ug/L		76	48 - 130
3-Nitroaniline	50	U	9.98	50	U F	ug/L		0	18 - 147
Nitrobenzene	10	U	9.98	10	U	ug/L		83	45 - 130
4-Nitrophenol	50	U	9.98	50	U	ug/L		76	36 - 132
2-Nitrophenol	10	U	9.98	10	U	ug/L		78	49 - 130
N-Nitrosodimethylamine	10	U	9.98	10	U	ug/L		83	29 - 130
N-Nitrosodi-n-propylamine	10	U	9.98	10	U	ug/L		95	42 - 130
N-Nitrosodiphenylamine	10	U	9.98	10	U	ug/L		50	38 - 130
Pentachlorophenol	50	U	9.98	50	U	ug/L		91	12 - 156
Phenanthrene	2.0	U	2.00	2.0	U	ug/L		93	45 - 134
Phenol	10	U	9.98	10	U	ug/L		67	44 - 130
Pyrene	2.0	U	2.00	2.27		ug/L		113	47 - 143
Pyridine	50	U	9.98	50	U F	ug/L		0	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70633-1 MS
Matrix: Water
Analysis Batch: 211444

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4,5-Tetrachlorobenzene	10	U	9.98	10	U	ug/L		80	10 - 130
2,3,4,6-Tetrachlorophenol	10	U	9.98	10.1		ug/L		102	10 - 130
1,2,4-Trichlorobenzene	10	U	9.98	10	U	ug/L		68	39 - 130
2,4,6-Trichlorophenol	10	U *	9.98	10	U	ug/L		81	61 - 130
2,4,5-Trichlorophenol	10	U *	9.98	10	U	ug/L		86	61 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*

Lab Sample ID: 680-70633-1 MS
Matrix: Water
Analysis Batch: 211444

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Acetylaminofluorene	10	U	9.92	9.9	U	ug/L		58	10 - 130
alpha,alpha-Dimethyl phenethylamine	100	U	9.92	99	U	ug/L		NC	10 - 130
4-Aminobiphenyl	50	U	9.92	50	U F	ug/L		0	10 - 130
Aramite, Total	15	U	9.92	15	U F	ug/L		0	10 - 130
Diallate	10	U	9.92	9.9	U	ug/L		90	10 - 130
2,6-Dichlorophenol	10	U	9.92	9.9	U	ug/L		83	10 - 130
Dimethoate	20	U	9.92	20	U	ug/L		72	10 - 130
7,12-Dimethylbenz(a)anthracene	10	U	9.92	9.9	U	ug/L		52	10 - 130
3,3'-Dimethylbenzidine	200	U	24.8	200	U	ug/L		NC	10 - 130
1,3-Dinitrobenzene	10	U	9.92	9.9	U	ug/L		78	10 - 130
Dinoseb	20	U	9.92	20	U	ug/L		83	10 - 130
Disulfoton	10	U	9.92	9.9	U	ug/L		46	10 - 130
Ethyl methanesulfonate	20	U	9.92	20	U	ug/L		56	10 - 130
Ethyl Parathion	20	U	9.92	20	U	ug/L		116	10 - 130
Famphur	10	U	9.92	9.9	U	ug/L		63	10 - 130
Hexachlorophene	5000	U	49.6	5000	U	ug/L		NC	10 - 130
Hexachloropropene	10	U	9.92	9.9	U	ug/L		21	10 - 130
Isosafrole	10	U	9.92	9.9	U	ug/L		66	10 - 130
Methapyrilene	2000	U	49.6	2000	U F	ug/L		0	10 - 130
3-Methylcholanthrene	10	U	9.92	9.9	U F	ug/L		0	10 - 130
Methyl methanesulfonate	20	U	9.92	20	U	ug/L		35	10 - 130
Methyl parathion	10	U	9.92	10.7		ug/L		107	10 - 130
1,4-Naphthoquinone	10	U	9.92	9.9	U F	ug/L		0	10 - 130
1-Naphthylamine	50	U	9.92	50	U	ug/L		NC	10 - 130
2-Naphthylamine	50	U	9.92	50	U	ug/L		NC	10 - 130
4-Nitroquinoline-1-oxide	20	U	9.92	20	U	ug/L		NC	10 - 130
N-Nitro-o-toluidine	10	U	9.92	9.9	U F	ug/L		0	10 - 130
N-Nitrosodiethylamine	10	U	9.92	9.9	U	ug/L		78	10 - 130
N-Nitrosodi-n-butylamine	10	U	9.92	9.9	U	ug/L		86	10 - 130
N-Nitrosomethylethylamine	20	U	9.92	20	U	ug/L		71	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70633-1 MS — **Client Sample ID: MW-F12 (071911)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 211444 — **Prep Batch: 209662**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
N-Nitrosomorpholine	10	U	9.92	9.9	U	ug/L		63	10 - 130
N-Nitrosopiperidine	10	U	9.92	9.9	U	ug/L		46	10 - 130
N-Nitrosopyrrolidine	10	U	9.92	9.9	U	ug/L		42	10 - 130
o,o',o''-Triethylphosphorothioate	10	U	9.92	9.9	U	ug/L		87	10 - 130
p-Dimethylamino azobenzene	50	U	9.92	50	U	ug/L		39	10 - 130
Pentachlorobenzene	10	U	9.92	9.9	U	ug/L		67	10 - 130
Pentachloronitrobenzene	10	U	9.92	9.9	U	ug/L		83	10 - 130
Phenacetin	10	U	9.92	9.9	U	ug/L		72	10 - 130
Phorate	10	U	9.92	9.9	U	ug/L		59	10 - 130
2-Picoline	20	U	9.92	20	U	ug/L		52	10 - 130
p-Phenylene diamine	2000	U	49.6	2000	U	ug/L		NC	10 - 130
Pronamide	10	U	9.92	9.9	U	ug/L		37	10 - 130
Safrole, Total	10	U	9.92	9.9	U	ug/L		74	10 - 130
Sulfotepp	10	U	9.92	9.9	U	ug/L		91	10 - 130
Thionazin	10	U	9.92	9.9	U	ug/L		74	10 - 130
2-Toluidine	10	U	9.92	9.9	U F	ug/L		0	10 - 130
1,3,5-Trinitrobenzene	10	U	9.92	9.9	U F	ug/L		0	10 - 130

Lab Sample ID: 680-70633-1 MSD — **Client Sample ID: MW-F12 (071911)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 211444 — **Prep Batch: 209662**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene	2.0	U	2.03	2.0	U	ug/L		84	42 - 130	11	50
Acenaphthylene	2.0	U	2.03	2.0	U	ug/L		93	45 - 130	3	50
Acetophenone	10	U	10.1	10	U	ug/L		91	45 - 130	1	50
Aniline	20	U	10.1	20	U F	ug/L		0	10 - 130	NC	50
Anthracene	2.0	U *	2.03	2.0	U	ug/L		88	58 - 130	6	50
Benzo[a]anthracene	2.0	U	2.03	2.19		ug/L		108	42 - 143	6	50
Benzo[a]pyrene	2.0	U	2.03	2.11		ug/L		104	45 - 151	7	50
Benzo[b]fluoranthene	2.0	U	2.03	2.0	U	ug/L		96	41 - 140	3	50
Benzo[g,h,i]perylene	2.0	U	2.03	2.0	U	ug/L		89	27 - 134	34	50
Benzo[k]fluoranthene	2.0	U	2.03	2.04		ug/L		100	45 - 140	6	50
Benzyl alcohol	10	U	10.1	10	U	ug/L		66	34 - 130	20	50
Bis(2-chloroethoxy)methane	10	U	10.1	10	U	ug/L		98	47 - 130	1	50
Bis(2-chloroethyl)ether	10	U	10.1	10	U	ug/L		88	36 - 130	1	50
bis (2-chloroisopropyl) ether	10	U	10.1	10	U	ug/L		91	39 - 130	2	50
Bis(2-ethylhexyl) phthalate	41	* B	10.1	27.4	4	ug/L		-137	10 - 158	8	50
4-Bromophenyl phenyl ether	10	U	10.1	10	U	ug/L		95	44 - 130	1	50
Butyl benzyl phthalate	10	U	10.1	11.4		ug/L		112	60 - 130	7	50
4-Chloroaniline	20	U	10.1	20	U F	ug/L		0	17 - 130	NC	50
4-Chloro-3-methylphenol	10	U *	10.1	10	U	ug/L		75	54 - 130	1	50
2-Chloronaphthalene	10	U	10.1	10	U	ug/L		81	48 - 130	3	50
2-Chlorophenol	10	U	10.1	10	U	ug/L		72	45 - 130	5	50
4-Chlorophenyl phenyl ether	10	U	10.1	10	U	ug/L		90	52 - 130	1	50
Chrysene	2.0	U	2.03	2.39		ug/L		118	40 - 142	15	50
Dibenz(a,h)anthracene	2.0	U	2.03	2.0	U	ug/L		62	38 - 130	NC	50
Dibenzofuran	10	U *	10.1	10	U	ug/L		92	56 - 130	5	50
1,4-Dichlorobenzene	10	U	10.1	10	U	ug/L		61	34 - 130	7	50
1,3-Dichlorobenzene	10	U	10.1	10	U	ug/L		55	31 - 130	8	50

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70633-1 MSD
Matrix: Water
Analysis Batch: 211444

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	10	U	10.1	10	U	ug/L		59	36 - 130	7	50
3,3'-Dichlorobenzidine	200	U	10.1	200	U	ug/L		NC	10 - 158	NC	50
2,4-Dichlorophenol	10	U *	10.1	10	U	ug/L		76	58 - 130	2	50
Diethyl phthalate	10	U	10.1	10	U	ug/L		99	60 - 130	4	50
2,4-Dimethylphenol	20	U	10.1	20	U	ug/L		80	41 - 130	2	50
Dimethyl phthalate	10	U	10.1	10	U	ug/L		97	58 - 130	1	50
Di-n-butyl phthalate	10	U	10.1	10	U	ug/L		87	59 - 130	0	50
4,6-Dinitro-2-methylphenol	50	U	10.1	51	U	ug/L		81	10 - 182	10	50
2,4-Dinitrophenol	100	U	10.1	100	U	ug/L		NC	10 - 200	3	50
2,4-Dinitrotoluene	10	U *	10.1	10	U	ug/L		81	57 - 130	5	50
2,6-Dinitrotoluene	10	U	10.1	10	U	ug/L		89	53 - 130	3	50
Di-n-octyl phthalate	10	U	10.1	10	U	ug/L		22	19 - 130	18	50
1,4-Dioxane	20	U	10.1	20	U	ug/L		72	10 - 130	13	50
Fluoranthene	2.0	U	2.03	2.04		ug/L		101	46 - 136	4	50
Fluorene	2.0	U	2.03	2.0	U	ug/L		93	48 - 130	4	50
Hexachlorobenzene	10	U	10.1	10	U	ug/L		82	49 - 130	4	50
Hexachlorobutadiene	10	U	10.1	10	U	ug/L		65	36 - 130	2	50
Hexachlorocyclopentadiene	20	U	10.1	20	U	ug/L		72	16 - 130	8	50
Hexachloroethane	10	U	10.1	10	U	ug/L		55	32 - 130	13	50
Indeno[1,2,3-cd]pyrene	2.0	U	2.03	2.0	U F	ug/L		0	12 - 130	NC	50
Isophorone	10	U	10.1	10	U	ug/L		80	45 - 130	2	50
2-Methylnaphthalene	2.0	U	2.03	2.0	U	ug/L		80	51 - 130	2	50
2-Methylphenol	20	U *	10.1	20	U F	ug/L		0	49 - 130	NC	50
3 & 4 Methylphenol	20	U *	10.1	20	U	ug/L		71	55 - 130	3	50
Naphthalene	2.0	U	2.03	2.0	U	ug/L		81	35 - 130	3	50
4-Nitroaniline	50	U	10.1	51	U F	ug/L		0	31 - 147	NC	50
2-Nitroaniline	10	U	10.1	10	U	ug/L		53	48 - 130	34	50
3-Nitroaniline	50	U	10.1	51	U F	ug/L		0	18 - 147	NC	50
Nitrobenzene	10	U	10.1	10	U	ug/L		86	45 - 130	6	50
4-Nitrophenol	50	U	10.1	51	U	ug/L		71	36 - 132	5	50
2-Nitrophenol	10	U	10.1	10	U	ug/L		79	49 - 130	3	50
N-Nitrosodimethylamine	10	U	10.1	10	U	ug/L		81	29 - 130	2	50
N-Nitrosodi-n-propylamine	10	U	10.1	10	U	ug/L		84	42 - 130	11	50
N-Nitrosodiphenylamine	10	U	10.1	10	U F	ug/L		0	38 - 130	NC	50
Pentachlorophenol	50	U	10.1	51	U	ug/L		88	12 - 156	1	50
Phenanthrene	2.0	U	2.03	2.06		ug/L		102	45 - 134	10	50
Phenol	10	U	10.1	10	U	ug/L		67	44 - 130	2	50
Pyrene	2.0	U	2.03	2.50		ug/L		123	47 - 143	10	50
Pyridine	50	U	10.1	51	U F	ug/L		0	10 - 130	NC	50
1,2,4,5-Tetrachlorobenzene	10	U	10.1	10	U	ug/L		84	10 - 130	6	50
2,3,4,6-Tetrachlorophenol	10	U	10.1	11.0		ug/L		109	10 - 130	9	50
1,2,4-Trichlorobenzene	10	U	10.1	10	U	ug/L		60	39 - 130	10	50
2,4,6-Trichlorophenol	10	U *	10.1	10	U	ug/L		87	61 - 130	9	50
2,4,5-Trichlorophenol	10	U *	10.1	10	U	ug/L		89	61 - 130	5	50

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*0*	*D*	*27 - 130*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 130*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 130*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70633-1 MSD
Matrix: Water
Analysis Batch: 211444

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA
Prep Batch: 209662

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*30 - 130*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 130*
2-Fluorobiphenyl	*0*	*D*	*34 - 130*

Lab Sample ID: 680-70633-1 MSD
Matrix: Water
Analysis Batch: 211444

Client Sample ID: MW-F12 (071911)
Prep Type: Total/NA
Prep Batch: 209662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Acetylaminofluorene	10	U	9.75	9.8	U	ug/L		81	10 - 130	32	50
alpha,alpha-Dimethyl phenethylamine	100	U	9.75	98	U	ug/L		NC	10 - 130	NC	50
4-Aminobiphenyl	50	U	9.75	49	U F	ug/L		0	10 - 130	NC	50
Aramite, Total	15	U	9.75	15	U F	ug/L		148	10 - 130	NC	50
Diallate	10	U	9.75	11.6		ug/L		119	10 - 130	27	50
2,6-Dichlorophenol	10	U	9.75	10.5		ug/L		108	10 - 130	24	50
Dimethoate	20	U	9.75	20	U	ug/L		89	10 - 130	19	50
7,12-Dimethylbenz(a)anthracene	10	U	9.75	9.8	U	ug/L		76	10 - 130	36	50
3,3'-Dimethylbenzidine	200	U	24.4	200	U	ug/L		NC	10 - 130	NC	50
1,3-Dinitrobenzene	10	U	9.75	9.8	U	ug/L		99	10 - 130	21	50
Dinoseb	20	U	9.75	20	U	ug/L		126	10 - 130	39	50
Disulfoton	10	U	9.75	9.8	U	ug/L		66	10 - 130	33	50
Ethyl methanesulfonate	20	U	9.75	20	U	ug/L		77	10 - 130	30	50
Ethyl Parathion	20	U	9.75	20	U F	ug/L		159	10 - 130	30	50
Famphur	10	U	9.75	9.8	U	ug/L		71	10 - 130	11	50
Hexachlorophene	5000	U	48.8	4900	U	ug/L		NC	10 - 130	NC	50
Hexachloropropene	10	U	9.75	9.8	U	ug/L		29	10 - 130	29	50
Isosafrole	10	U	9.75	9.8	U	ug/L		98	10 - 130	38	50
Methapyrilene	2000	U	48.8	2000	U F	ug/L		0	10 - 130	NC	50
3-Methylcholanthrene	10	U	9.75	9.8	U F	ug/L		0	10 - 130	NC	50
Methyl methanesulfonate	20	U	9.75	20	U	ug/L		50	10 - 130	33	50
Methyl parathion	10	U	9.75	16.2	F	ug/L		166	10 - 130	41	50
1,4-Naphthoquinone	10	U	9.75	13.3	F	ug/L		137	10 - 130	NC	50
1-Naphthylamine	50	U	9.75	49	U	ug/L		NC	10 - 130	NC	50
2-Naphthylamine	50	U	9.75	49	U	ug/L		NC	10 - 130	NC	50
4-Nitroquinoline-1-oxide	20	U	9.75	20	U	ug/L		NC	10 - 130	NC	50
N-Nitro-o-toluidine	10	U	9.75	9.8	U F	ug/L		0	10 - 130	NC	50
N-Nitrosodiethylamine	10	U	9.75	9.89		ug/L		101	10 - 130	24	50
N-Nitrosodi-n-butylamine	10	U	9.75	10.5		ug/L		107	10 - 130	20	50
N-Nitrosomethylethylamine	20	U	9.75	20	U	ug/L		104	10 - 130	36	50
N-Nitrosomorpholine	10	U	9.75	10.6	F	ug/L		108	10 - 130	51	50
N-Nitrosopiperidine	10	U	9.75	9.8	U F	ug/L		87	10 - 130	60	50
N-Nitrosopyrrolidine	10	U	9.75	9.8	U F	ug/L		80	10 - 130	61	50
o,o',o''-Triethylphosphorothioate	10	U	9.75	11.0		ug/L		113	10 - 130	24	50
p-Dimethylamino azobenzene	50	U	9.75	49	U F	ug/L		106	10 - 130	92	50
Pentachlorobenzene	10	U	9.75	9.8	U	ug/L		97	10 - 130	35	50
Pentachloronitrobenzene	10	U	9.75	11.0		ug/L		112	10 - 130	28	50
Phenacetin	10	U	9.75	9.8	U	ug/L		96	10 - 130	27	50
Phorate	10	U	9.75	9.8	U	ug/L		88	10 - 130	37	50
2-Picoline	20	U	9.75	20	U	ug/L		68	10 - 130	24	50

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70633-1 MSD | **Client Sample ID: MW-F12 (071911)**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 211444 | **Prep Batch: 209662**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
p-Phenylene diamine	2000	U	48.8	2000	U	ug/L		NC	10 - 130	NC	50
Pronamide	10	U	9.75	9.8	U F	ug/L		87	10 - 130	79	50
Safrole, Total	10	U	9.75	9.8	U	ug/L		100	10 - 130	28	50
Sulfotepp	10	U	9.75	12.5		ug/L		128	10 - 130	32	50
Thionazin	10	U	9.75	9.8	U	ug/L		100	10 - 130	28	50
2-Toluidine	10	U	9.75	9.8	U F	ug/L		0	10 - 130	NC	50
1,3,5-Trinitrobenzene	10	U	9.75	9.8	U	ug/L		59	10 - 130	NC	50

Lab Sample ID: MB 680-209813/6-A | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 211444 | **Prep Batch: 209813**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Acenaphthylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Acetophenone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Aniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Aramite, Total	1.5	U	1.5		ug/L		07/23/11 13:18	08/09/11 17:33	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Bis(2-ethylhexyl) phthalate	5.63		2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Chrysene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Diallate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Dibenzofuran	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-209813/6-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,4-Dinitrophenol	10	U	10		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Dinoseb	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Disulfoton	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Famphur	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Fluoranthene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Fluorene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Hexachloroethane	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Hexachlorophene	500	U	500		ug/L		07/23/11 13:18	08/09/11 17:33	1
Hexachloropropene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Isophorone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Isosafrole	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Methapyrilene	200	U	200		ug/L		07/23/11 13:18	08/09/11 17:33	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Methyl parathion	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Naphthalene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Nitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-209813/6-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Phenacetin	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Phenanthrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Phenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Phorate	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Picoline	2.0	U	2.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
p-Phenylene diamine	200	U	200		ug/L		07/23/11 13:18	08/09/11 17:33	1
Pronamide	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Pyrene	0.20	U	0.20		ug/L		07/23/11 13:18	08/09/11 17:33	1
Pyridine	5.0	U	5.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Safrole, Total	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Sulfotepp	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
Thionazin	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2-Toluidine	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/23/11 13:18	08/09/11 17:33	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*61*		*27 - 130*	*07/23/11 13:18*	*08/09/11 17:33*	*1*
Nitrobenzene-d5 (Surr)	*78*		*32 - 130*	*07/23/11 13:18*	*08/09/11 17:33*	*1*
Terphenyl-d14 (Surr)	*111*		*36 - 130*	*07/23/11 13:18*	*08/09/11 17:33*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*30 - 130*	*07/23/11 13:18*	*08/09/11 17:33*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 130*	*07/23/11 13:18*	*08/09/11 17:33*	*1*
2-Fluorobiphenyl	*86*		*34 - 130*	*07/23/11 13:18*	*08/09/11 17:33*	*1*

Lab Sample ID: LCS 680-209813/7-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	2.00	1.51		ug/L		75	42 - 130
Acenaphthylene	2.00	1.66		ug/L		83	45 - 130
Acetophenone	10.0	7.70		ug/L		77	45 - 130
Aniline	10.0	9.17		ug/L		92	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-209813/7-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Anthracene	2.00	1.70		ug/L		85	58 - 130
Benzo[a]anthracene	2.00	1.79		ug/L		89	42 - 143
Benzo[a]pyrene	2.00	1.89		ug/L		94	45 - 151
Benzo[b]fluoranthene	2.00	1.74		ug/L		87	41 - 140
Benzo[g,h,i]perylene	2.00	1.65		ug/L		83	27 - 134
Benzo[k]fluoranthene	2.00	1.72		ug/L		86	45 - 140
Benzyl alcohol	10.0	6.10		ug/L		61	34 - 130
Bis(2-chloroethoxy)methane	10.0	8.24		ug/L		82	47 - 130
Bis(2-chloroethyl)ether	10.0	7.76		ug/L		78	36 - 130
bis (2-chloroisopropyl) ether	10.0	7.62		ug/L		76	39 - 130
Bis(2-ethylhexyl) phthalate	10.0	33.5	*	ug/L		335	10 - 158
4-Bromophenyl phenyl ether	10.0	8.91		ug/L		89	44 - 130
Butyl benzyl phthalate	10.0	9.43		ug/L		94	60 - 130
4-Chloroaniline	10.0	5.02		ug/L		50	17 - 130
4-Chloro-3-methylphenol	10.0	6.06		ug/L		61	54 - 130
2-Chloronaphthalene	10.0	7.66		ug/L		77	48 - 130
2-Chlorophenol	10.0	6.38		ug/L		64	45 - 130
4-Chlorophenyl phenyl ether	10.0	7.74		ug/L		77	52 - 130
Chrysene	2.00	1.88		ug/L		94	40 - 142
Dibenz(a,h)anthracene	2.00	1.65		ug/L		82	38 - 130
Dibenzofuran	10.0	8.03		ug/L		80	56 - 130
1,4-Dichlorobenzene	10.0	6.40		ug/L		64	34 - 130
1,3-Dichlorobenzene	10.0	5.83		ug/L		58	31 - 130
1,2-Dichlorobenzene	10.0	6.02		ug/L		60	36 - 130
3,3'-Dichlorobenzidine	10.0	20	U	ug/L		66	10 - 158
2,4-Dichlorophenol	10.0	6.58		ug/L		66	58 - 130
Diethyl phthalate	10.0	7.91		ug/L		79	60 - 130
2,4-Dimethylphenol	10.0	4.99		ug/L		50	41 - 130
Dimethyl phthalate	10.0	7.96		ug/L		80	58 - 130
Di-n-butyl phthalate	10.0	8.48		ug/L		85	59 - 130
4,6-Dinitro-2-methylphenol	10.0	8.26		ug/L		83	10 - 182
2,4-Dinitrophenol	10.0	10	U	ug/L		94	10 - 200
2,4-Dinitrotoluene	10.0	6.72		ug/L		67	57 - 130
2,6-Dinitrotoluene	10.0	7.75		ug/L		78	53 - 130
Di-n-octyl phthalate	10.0	9.59		ug/L		96	19 - 130
1,4-Dioxane	10.0	6.20		ug/L		62	10 - 130
Fluoranthene	2.00	1.63		ug/L		81	46 - 136
Fluorene	2.00	1.62		ug/L		81	48 - 130
Hexachlorobenzene	10.0	7.88		ug/L		79	49 - 130
Hexachlorobutadiene	10.0	6.39		ug/L		64	36 - 130
Hexachlorocyclopentadiene	10.0	7.38		ug/L		74	16 - 130
Hexachloroethane	10.0	5.70		ug/L		57	32 - 130
Indeno[1,2,3-cd]pyrene	2.00	1.48		ug/L		74	12 - 130
Isophorone	10.0	6.45		ug/L		64	45 - 130
2-Methylnaphthalene	2.00	1.45		ug/L		72	51 - 130
2-Methylphenol	10.0	6.00		ug/L		60	49 - 130
3 & 4 Methylphenol	10.0	6.04		ug/L		60	55 - 130
Naphthalene	2.00	1.57		ug/L		79	35 - 130
4-Nitroaniline	10.0	7.55		ug/L		76	31 - 147
2-Nitroaniline	10.0	8.65		ug/L		86	48 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-209813/7-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
3-Nitroaniline	10.0	6.37		ug/L		64	18 - 147
Nitrobenzene	10.0	7.24		ug/L		72	45 - 130
4-Nitrophenol	10.0	6.60		ug/L		66	36 - 132
2-Nitrophenol	10.0	7.66		ug/L		77	49 - 130
N-Nitrosodimethylamine	10.0	7.41		ug/L		74	29 - 130
N-Nitrosodi-n-propylamine	10.0	7.03		ug/L		70	42 - 130
N-Nitrosodiphenylamine	10.0	8.96		ug/L		90	38 - 130
Pentachlorophenol	10.0	6.86		ug/L		69	12 - 156
Phenanthrene	2.00	1.77		ug/L		88	45 - 134
Phenol	10.0	6.78		ug/L		68	44 - 130
Pyrene	2.00	2.06		ug/L		103	47 - 143
Pyridine	10.0	6.33		ug/L		63	10 - 130
1,2,4,5-Tetrachlorobenzene	10.0	8.20		ug/L		82	10 - 130
2,3,4,6-Tetrachlorophenol	10.0	7.81		ug/L		78	10 - 130
1,2,4-Trichlorobenzene	10.0	6.35		ug/L		63	39 - 130
2,4,6-Trichlorophenol	10.0	7.35		ug/L		74	61 - 130
2,4,5-Trichlorophenol	10.0	7.22		ug/L		72	61 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*76*		*27 - 130*
Nitrobenzene-d5 (Surr)	*83*		*32 - 130*
Terphenyl-d14 (Surr)	*113*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*82*		*30 - 130*
2-Fluorophenol (Surr)	*77*		*25 - 130*
2-Fluorobiphenyl	*91*		*34 - 130*

Lab Sample ID: LCS 680-209813/9-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Acetylaminofluorene	10.0	10.3		ug/L		103	10 - 130
alpha,alpha-Dimethyl phenethylamine	10.0	10	U	ug/L		77	10 - 130
4-Aminobiphenyl	10.0	5.0	U	ug/L		47	10 - 130
Aramite, Total	10.0	15.1	*	ug/L		151	10 - 130
Diallate	10.0	10.7		ug/L		107	10 - 130
2,6-Dichlorophenol	10.0	8.85		ug/L		89	10 - 130
Dimethoate	10.0	7.91		ug/L		79	10 - 130
7,12-Dimethylbenz(a)anthracene	10.0	11.1		ug/L		111	10 - 130
3,3'-Dimethylbenzidine	25.0	20	U	ug/L		69	10 - 130
1,3-Dinitrobenzene	10.0	9.76		ug/L		98	10 - 130
Dinoseb	10.0	13.6	*	ug/L		136	10 - 130
Disulfoton	10.0	7.93		ug/L		79	10 - 130
Ethyl methanesulfonate	10.0	7.65		ug/L		76	10 - 130
Ethyl Parathion	10.0	9.83		ug/L		98	10 - 130
Famphur	10.0	1.25		ug/L		12	10 - 130
Hexachlorophene	50.0	500	U *	ug/L		0	10 - 130
Hexachloropropene	10.0	3.75		ug/L		38	10 - 130
Isosafrole	10.0	8.36		ug/L		84	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-209813/9-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Methapyrilene	50.0	200	U	ug/L		65	10 - 130
3-Methylcholanthrene	10.0	3.24		ug/L		32	10 - 130
Methyl methanesulfonate	10.0	4.02		ug/L		40	10 - 130
Methyl parathion	10.0	9.11		ug/L		91	10 - 130
1,4-Naphthoquinone	10.0	3.03		ug/L		30	10 - 130
1-Naphthylamine	10.0	5.34		ug/L		53	10 - 130
2-Naphthylamine	10.0	5.0	U	ug/L		44	10 - 130
4-Nitroquinoline-1-oxide	10.0	6.42		ug/L		64	10 - 130
N-Nitro-o-toluidine	10.0	8.24		ug/L		82	10 - 130
N-Nitrosodiethylamine	10.0	8.32		ug/L		83	10 - 130
N-Nitrosodi-n-butylamine	10.0	8.65		ug/L		87	10 - 130
N-Nitrosomethylethylamine	10.0	8.57		ug/L		86	10 - 130
N-Nitrosomorpholine	10.0	8.44		ug/L		84	10 - 130
N-Nitrosopiperidine	10.0	8.93		ug/L		89	10 - 130
N-Nitrosopyrrolidine	10.0	9.14		ug/L		91	10 - 130
o,o',o''-Triethylphosphorothioate	10.0	8.58		ug/L		86	10 - 130
p-Dimethylamino azobenzene	10.0	14.3	*	ug/L		143	10 - 130
Pentachlorobenzene	10.0	8.10		ug/L		81	10 - 130
Pentachloronitrobenzene	10.0	11.3		ug/L		113	10 - 130
Phenacetin	10.0	9.82		ug/L		98	10 - 130
Phorate	10.0	9.90		ug/L		99	10 - 130
2-Picoline	10.0	7.41		ug/L		74	10 - 130
p-Phenylene diamine	50.0	200	U *	ug/L		9	10 - 130
Pronamide	10.0	10.6		ug/L		106	10 - 130
Safrole, Total	10.0	7.85		ug/L		78	10 - 130
Sulfotepp	10.0	10.2		ug/L		102	10 - 130
1,2,4,5-Tetrachlorobenzene	10.0	6.82		ug/L		68	10 - 130
2,3,4,6-Tetrachlorophenol	10.0	10.4		ug/L		104	10 - 130
Thionazin	10.0	10.2		ug/L		102	10 - 130
2-Toluidine	10.0	7.15		ug/L		71	10 - 130
1,3,5-Trinitrobenzene	10.0	3.26		ug/L		33	10 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*63*		*27 - 130*
Nitrobenzene-d5 (Surr)	*68*		*32 - 130*
Terphenyl-d14 (Surr)	*115*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*82*		*30 - 130*
2-Fluorophenol (Surr)	*64*		*25 - 130*
2-Fluorobiphenyl	*76*		*34 - 130*

Lab Sample ID: LCSD 680-209813/10-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Acetylaminofluorene	10.0	8.88		ug/L		89	10 - 130	15	50
alpha,alpha-Dimethyl phenethylamine	10.0	10	U *	ug/L		0	10 - 130	200	50
4-Aminobiphenyl	10.0	5.0	U *	ug/L		17	10 - 130	95	50
Aramite, Total	10.0	12.5		ug/L		125	10 - 130	19	50

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCSD 680-209813/10-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diallate	10.0	10.5		ug/L		105	10 - 130	2	50
2,6-Dichlorophenol	10.0	9.77		ug/L		98	10 - 130	10	50
Dimethoate	10.0	8.64		ug/L		86	10 - 130	9	50
7,12-Dimethylbenz(a)anthracene	10.0	7.69		ug/L		77	10 - 130	37	50
3,3'-Dimethylbenzidine	25.0	20	U *	ug/L		0	10 - 130	200	50
1,3-Dinitrobenzene	10.0	9.83		ug/L		98	10 - 130	1	50
Dinoseb	10.0	12.7		ug/L		127	10 - 130	6	50
Disulfoton	10.0	3.87	*	ug/L		39	10 - 130	69	50
Ethyl methanesulfonate	10.0	7.45		ug/L		75	10 - 130	3	50
Ethyl Parathion	10.0	9.58		ug/L		96	10 - 130	3	50
Famphur	10.0	5.35	*	ug/L		53	10 - 130	124	50
Hexachlorophene	50.0	500	U *	ug/L		2	10 - 130	200	50
Hexachloropropene	10.0	4.85		ug/L		48	10 - 130	25	50
Isosafrole	10.0	7.46		ug/L		75	10 - 130	11	50
Methapyrilene	50.0	200	U *	ug/L		0	10 - 130	200	50
3-Methylcholanthrene	10.0	1.81	*	ug/L		18	10 - 130	57	50
Methyl methanesulfonate	10.0	4.55		ug/L		46	10 - 130	12	50
Methyl parathion	10.0	9.83		ug/L		98	10 - 130	8	50
1,4-Naphthoquinone	10.0	3.45		ug/L		35	10 - 130	13	50
1-Naphthylamine	10.0	5.0	U *	ug/L		16	10 - 130	108	50
2-Naphthylamine	10.0	5.0	U *	ug/L		10	10 - 130	126	50
4-Nitroquinoline-1-oxide	10.0	5.28		ug/L		53	10 - 130	19	50
N-Nitro-o-toluidine	10.0	2.26	*	ug/L		23	10 - 130	114	50
N-Nitrosodiethylamine	10.0	9.62		ug/L		96	10 - 130	14	50
N-Nitrosodi-n-butylamine	10.0	9.19		ug/L		92	10 - 130	6	50
N-Nitrosomethylethylamine	10.0	9.49		ug/L		95	10 - 130	10	50
N-Nitrosomorpholine	10.0	8.78		ug/L		88	10 - 130	4	50
N-Nitrosopiperidine	10.0	9.70		ug/L		97	10 - 130	8	50
N-Nitrosopyrrolidine	10.0	9.64		ug/L		96	10 - 130	5	50
o,o',o''-Triethylphosphorothioate	10.0	9.36		ug/L		94	10 - 130	9	50
p-Dimethylamino azobenzene	10.0	12.3		ug/L		123	10 - 130	15	50
Pentachlorobenzene	10.0	8.51		ug/L		85	10 - 130	5	50
Pentachloronitrobenzene	10.0	11.0		ug/L		110	10 - 130	2	50
Phenacetin	10.0	9.11		ug/L		91	10 - 130	8	50
Phorate	10.0	8.39		ug/L		84	10 - 130	16	50
2-Picoline	10.0	2.54	*	ug/L		25	10 - 130	98	50
p-Phenylene diamine	50.0	200	U *	ug/L		0.005	10 - 130	200	50
Pronamide	10.0	9.60		ug/L		96	10 - 130	10	50
Safrole, Total	10.0	8.86		ug/L		89	10 - 130	12	50
Sulfotepp	10.0	9.93		ug/L		99	10 - 130	3	50
1,2,4,5-Tetrachlorobenzene	10.0	7.87		ug/L		79	10 - 130	14	50
2,3,4,6-Tetrachlorophenol	10.0	10.5		ug/L		105	10 - 130	1	50
Thionazin	10.0	9.30		ug/L		93	10 - 130	9	50
2-Toluidine	10.0	1.86	*	ug/L		19	10 - 130	118	50
1,3,5-Trinitrobenzene	10.0	4.24		ug/L		42	10 - 130	26	50

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*71*		*27 - 130*
Nitrobenzene-d5 (Surr)	*80*		*32 - 130*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCSD 680-209813/10-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209813

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
Terphenyl-d14 (Surr)	127		36 - 130
2,4,6-Tribromophenol (Surr)	80		30 - 130
2-Fluorophenol (Surr)	74		25 - 130
2-Fluorobiphenyl	84		34 - 130

Lab Sample ID: LCSD 680-209813/8-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene	2.00	1.46		ug/L		73	42 - 130	3	50
Acenaphthylene	2.00	1.58		ug/L		79	45 - 130	5	50
Acetophenone	10.0	7.28		ug/L		73	45 - 130	6	50
Aniline	10.0	8.11		ug/L		81	10 - 130	12	50
Anthracene	2.00	1.74		ug/L		87	58 - 130	2	50
Benzo[a]anthracene	2.00	1.78		ug/L		89	42 - 143	0	50
Benzo[a]pyrene	2.00	1.71		ug/L		85	45 - 151	10	50
Benzo[b]fluoranthene	2.00	1.86		ug/L		93	41 - 140	7	50
Benzo[g,h,i]perylene	2.00	1.47		ug/L		73	27 - 134	12	50
Benzo[k]fluoranthene	2.00	1.98		ug/L		99	45 - 140	14	50
Benzyl alcohol	10.0	5.71		ug/L		57	34 - 130	7	50
Bis(2-chloroethoxy)methane	10.0	7.98		ug/L		80	47 - 130	3	50
Bis(2-chloroethyl)ether	10.0	7.32		ug/L		73	36 - 130	6	50
bis (2-chloroisopropyl) ether	10.0	7.11		ug/L		71	39 - 130	7	50
Bis(2-ethylhexyl) phthalate	10.0	31.5	*	ug/L		315	10 - 158	6	50
4-Bromophenyl phenyl ether	10.0	8.75		ug/L		87	44 - 130	2	50
Butyl benzyl phthalate	10.0	9.90		ug/L		99	60 - 130	5	50
4-Chloroaniline	10.0	5.01		ug/L		50	17 - 130	0	50
4-Chloro-3-methylphenol	10.0	6.23		ug/L		62	54 - 130	3	50
2-Chloronaphthalene	10.0	7.25		ug/L		72	48 - 130	6	50
2-Chlorophenol	10.0	5.83		ug/L		58	45 - 130	9	50
4-Chlorophenyl phenyl ether	10.0	7.38		ug/L		74	52 - 130	5	50
Chrysene	2.00	1.77		ug/L		89	40 - 142	6	50
Dibenz(a,h)anthracene	2.00	1.44		ug/L		72	38 - 130	13	50
Dibenzofuran	10.0	7.68		ug/L		77	56 - 130	5	50
1,4-Dichlorobenzene	10.0	5.90		ug/L		59	34 - 130	8	50
1,3-Dichlorobenzene	10.0	5.34		ug/L		53	31 - 130	9	50
1,2-Dichlorobenzene	10.0	5.61		ug/L		56	36 - 130	7	50
3,3'-Dichlorobenzidine	10.0	20	U	ug/L		64	10 - 158	3	50
2,4-Dichlorophenol	10.0	6.61		ug/L		66	58 - 130	0	50
Diethyl phthalate	10.0	7.51		ug/L		75	60 - 130	5	50
2,4-Dimethylphenol	10.0	4.59		ug/L		46	41 - 130	8	50
Dimethyl phthalate	10.0	7.74		ug/L		77	58 - 130	3	50
Di-n-butyl phthalate	10.0	8.32		ug/L		83	59 - 130	2	50
4,6-Dinitro-2-methylphenol	10.0	7.18		ug/L		72	10 - 182	14	50
2,4-Dinitrophenol	10.0	10	U	ug/L		76	10 - 200	22	50
2,4-Dinitrotoluene	10.0	6.22		ug/L		62	57 - 130	8	50
2,6-Dinitrotoluene	10.0	7.48		ug/L		75	53 - 130	4	50
Di-n-octyl phthalate	10.0	9.63		ug/L		96	19 - 130	0	50

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCSD 680-209813/8-A
Matrix: Water
Analysis Batch: 211444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	10.0	5.57		ug/L		56	10 - 130	11	50
Fluoranthene	2.00	1.57		ug/L		78	46 - 136	4	50
Fluorene	2.00	1.53		ug/L		76	48 - 130	6	50
Hexachlorobenzene	10.0	7.73		ug/L		77	49 - 130	2	50
Hexachlorobutadiene	10.0	5.92		ug/L		59	36 - 130	8	50
Hexachlorocyclopentadiene	10.0	6.71		ug/L		67	16 - 130	10	50
Hexachloroethane	10.0	5.25		ug/L		53	32 - 130	8	50
Indeno[1,2,3-cd]pyrene	2.00	1.21		ug/L		61	12 - 130	20	50
Isophorone	10.0	6.32		ug/L		63	45 - 130	2	50
2-Methylnaphthalene	2.00	1.45		ug/L		72	51 - 130	0	50
2-Methylphenol	10.0	5.57		ug/L		56	49 - 130	7	50
3 & 4 Methylphenol	10.0	5.69		ug/L		57	55 - 130	6	50
Naphthalene	2.00	1.47		ug/L		74	35 - 130	6	50
4-Nitroaniline	10.0	7.36		ug/L		74	31 - 147	3	50
2-Nitroaniline	10.0	8.49		ug/L		85	48 - 130	2	50
3-Nitroaniline	10.0	6.13		ug/L		61	18 - 147	4	50
Nitrobenzene	10.0	6.65		ug/L		67	45 - 130	8	50
4-Nitrophenol	10.0	5.39		ug/L		54	36 - 132	20	50
2-Nitrophenol	10.0	7.44		ug/L		74	49 - 130	3	50
N-Nitrosodimethylamine	10.0	6.92		ug/L		69	29 - 130	7	50
N-Nitrosodi-n-propylamine	10.0	6.64		ug/L		66	42 - 130	6	50
N-Nitrosodiphenylamine	10.0	8.96		ug/L		90	38 - 130	0	50
Pentachlorophenol	10.0	6.30		ug/L		63	12 - 156	9	50
Phenanthrene	2.00	1.69		ug/L		85	45 - 134	4	50
Phenol	10.0	6.09		ug/L		61	44 - 130	11	50
Pyrene	2.00	2.14		ug/L		107	47 - 143	4	50
Pyridine	10.0	5.62		ug/L		56	10 - 130	12	50
1,2,4,5-Tetrachlorobenzene	10.0	7.75		ug/L		77	10 - 130	6	50
2,3,4,6-Tetrachlorophenol	10.0	7.46		ug/L		75	10 - 130	5	50
1,2,4-Trichlorobenzene	10.0	5.96		ug/L		60	39 - 130	6	50
2,4,6-Trichlorophenol	10.0	7.06		ug/L		71	61 - 130	4	50
2,4,5-Trichlorophenol	10.0	7.02		ug/L		70	61 - 130	3	50

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*68*		*27 - 130*
Nitrobenzene-d5 (Surr)	*79*		*32 - 130*
Terphenyl-d14 (Surr)	*115*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*77*		*30 - 130*
2-Fluorophenol (Surr)	*69*		*25 - 130*
2-Fluorobiphenyl	*87*		*34 - 130*

Method: 8315A - Carbonyl Compounds (HPLC)

Lab Sample ID: MB 640-83042/1-A
Matrix: Water
Analysis Batch: 83096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	50	U	50		ug/L		07/22/11 10:05	07/22/11 12:38	1

Method: 8315A - Carbonyl Compounds (HPLC) (Continued)

Lab Sample ID: LCS 640-83042/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 83096 — **Prep Batch: 83042**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Formaldehyde			150	148		ug/L		99	70 - 125		

Lab Sample ID: LCSD 640-83042/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 83096 — **Prep Batch: 83042**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Formaldehyde			150	141		ug/L		94	70 - 125	5	20

QC Association Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

GC/MS VOA

Analysis Batch: 209886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-209886/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-209886/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-209886/8	Method Blank	Total/NA	Water	8260B	
680-70633-1	MW-F12 (071911)	Total/NA	Water	8260B	
680-70633-2	MW-F11 (071911)	Total/NA	Water	8260B	
680-70633-9	MW-F2 (071911)	Total/NA	Water	8260B	
680-70633-10	MW-F19 (071911)	Total/NA	Water	8260B	
680-70633-11	MW-F1 (071911)	Total/NA	Water	8260B	
680-70633-4	MW-F5 (072011)	Total/NA	Water	8260B	
680-70633-6	MW-F16 (072011)	Total/NA	Water	8260B	
680-70633-12	TB01 (072011)	Total/NA	Water	8260B	
680-70633-16	MW-F13 (072111)	Total/NA	Water	8260B	
680-70633-17	MW-F14 (072111)	Total/NA	Water	8260B	
680-70633-18	MW-F21 (072111)	Total/NA	Water	8260B	
680-70633-3	MW-F6 (072011)	Total/NA	Water	8260B	
680-70633-5	MW-F3R (072011)	Total/NA	Water	8260B	
680-70633-7	MW-25 (072011)	Total/NA	Water	8260B	
680-70633-8	MWD-25 (072011)	Total/NA	Water	8260B	

Analysis Batch: 209908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-22	MW-F9 (072111)	Total/NA	Water	8260B	
680-70633-1 MS	MW-F12 (071911)	Total/NA	Water	8260B	
680-70633-1 MSD	MW-F12 (071911)	Total/NA	Water	8260B	
LCS 680-209908/13	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-209908/14	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-209908/16	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 210132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-13	MW-24 (072011)	Total/NA	Water	8260B	
680-70633-20	MWD-23 (072011)	Total/NA	Water	8260B	
680-70633-15	MW-23 (072011)	Total/NA	Water	8260B	
LCS 680-210132/16	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210132/17	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210132/19	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 210192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210192/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210192/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210192/8	Method Blank	Total/NA	Water	8260B	
680-70633-21	MW-F8 (072111)	Total/NA	Water	8260B	

Analysis Batch: 210251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210251/9	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210251/10	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210251/12	Method Blank	Total/NA	Water	8260B	
680-70633-14	MWD-24 (072011)	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 210497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210497/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210497/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-70633-19	DUP-02 (072111)	Total/NA	Water	8260B	
680-70633-23	MW-22 (072111)	Total/NA	Water	8260B	
680-70633-24	MWD-22 (072111)	Total/NA	Water	8260B	
680-70633-25	MW-29 (072111)	Total/NA	Water	8260B	
680-70633-26	MWD-29 (072111)	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 209662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-1	MW-F12 (071911)	Total/NA	Water	3520C	
680-70633-2	MW-F11 (071911)	Total/NA	Water	3520C	
680-70633-3	MW-F6 (072011)	Total/NA	Water	3520C	
680-70633-4	MW-F5 (072011)	Total/NA	Water	3520C	
680-70633-5	MW-F3R (072011)	Total/NA	Water	3520C	
680-70633-6	MW-F16 (072011)	Total/NA	Water	3520C	
680-70633-7	MW-25 (072011)	Total/NA	Water	3520C	
680-70633-8	MWD-25 (072011)	Total/NA	Water	3520C	
680-70633-9	MW-F2 (071911)	Total/NA	Water	3520C	
680-70633-10	MW-F19 (071911)	Total/NA	Water	3520C	
680-70633-11	MW-F1 (071911)	Total/NA	Water	3520C	
680-70633-13	MW-24 (072011)	Total/NA	Water	3520C	
680-70633-14	MWD-24 (072011)	Total/NA	Water	3520C	
680-70633-15	MW-23 (072011)	Total/NA	Water	3520C	
680-70633-16	MW-F13 (072111)	Total/NA	Water	3520C	
680-70633-17	MW-F14 (072111)	Total/NA	Water	3520C	
680-70633-18	MW-F21 (072111)	Total/NA	Water	3520C	
680-70633-19	DUP-02 (072111)	Total/NA	Water	3520C	
680-70633-20	MWD-23 (072011)	Total/NA	Water	3520C	
680-70633-21	MW-F8 (072111)	Total/NA	Water	3520C	
MB 680-209662/21-A	Method Blank	Total/NA	Water	3520C	
LCS 680-209662/22-A	Lab Control Sample	Total/NA	Water	3520C	
680-70633-1 MS	MW-F12 (071911)	Total/NA	Water	3520C	
680-70633-1 MSD	MW-F12 (071911)	Total/NA	Water	3520C	
LCS 680-209662/25-A	Lab Control Sample	Total/NA	Water	3520C	
680-70633-1 MS	MW-F12 (071911)	Total/NA	Water	3520C	
680-70633-1 MSD	MW-F12 (071911)	Total/NA	Water	3520C	

Prep Batch: 209813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-22	MW-F9 (072111)	Total/NA	Water	3520C	
680-70633-23	MW-22 (072111)	Total/NA	Water	3520C	
680-70633-24	MWD-22 (072111)	Total/NA	Water	3520C	
680-70633-25	MW-29 (072111)	Total/NA	Water	3520C	
680-70633-26	MWD-29 (072111)	Total/NA	Water	3520C	
MB 680-209813/6-A	Method Blank	Total/NA	Water	3520C	
LCS 680-209813/7-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-209813/8-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCS 680-209813/9-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-209813/10-A	Lab Control Sample Dup	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Analysis Batch: 210844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-209662/21-A	Method Blank	Total/NA	Water	8270C LL	209662
LCS 680-209662/22-A	Lab Control Sample	Total/NA	Water	8270C LL	209662
LCS 680-209662/25-A	Lab Control Sample	Total/NA	Water	8270C LL	209662
680-70633-3	MW-F6 (072011)	Total/NA	Water	8270C LL	209662
680-70633-4	MW-F5 (072011)	Total/NA	Water	8270C LL	209662
680-70633-5	MW-F3R (072011)	Total/NA	Water	8270C LL	209662
680-70633-6	MW-F16 (072011)	Total/NA	Water	8270C LL	209662
680-70633-7	MW-25 (072011)	Total/NA	Water	8270C LL	209662
680-70633-8	MWD-25 (072011)	Total/NA	Water	8270C LL	209662
680-70633-9	MW-F2 (071911)	Total/NA	Water	8270C LL	209662

Analysis Batch: 211441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-11	MW-F1 (071911)	Total/NA	Water	8270C LL	209662
680-70633-13	MW-24 (072011)	Total/NA	Water	8270C LL	209662
680-70633-14	MWD-24 (072011)	Total/NA	Water	8270C LL	209662
680-70633-15	MW-23 (072011)	Total/NA	Water	8270C LL	209662
680-70633-16	MW-F13 (072111)	Total/NA	Water	8270C LL	209662
680-70633-19	DUP-02 (072111)	Total/NA	Water	8270C LL	209662
680-70633-20	MWD-23 (072011)	Total/NA	Water	8270C LL	209662
680-70633-21	MW-F8 (072111)	Total/NA	Water	8270C LL	209662
680-70633-1	MW-F12 (071911)	Total/NA	Water	8270C LL	209662
680-70633-17	MW-F14 (072111)	Total/NA	Water	8270C LL	209662

Analysis Batch: 211444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-24	MWD-22 (072111)	Total/NA	Water	8270C LL	209813
680-70633-1 MS	MW-F12 (071911)	Total/NA	Water	8270C LL	209662
680-70633-1 MSD	MW-F12 (071911)	Total/NA	Water	8270C LL	209662
680-70633-1 MS	MW-F12 (071911)	Total/NA	Water	8270C LL	209662
680-70633-1 MSD	MW-F12 (071911)	Total/NA	Water	8270C LL	209662
680-70633-10	MW-F19 (071911)	Total/NA	Water	8270C LL	209662
680-70633-2	MW-F11 (071911)	Total/NA	Water	8270C LL	209662
MB 680-209813/6-A	Method Blank	Total/NA	Water	8270C LL	209813
LCS 680-209813/7-A	Lab Control Sample	Total/NA	Water	8270C LL	209813
LCSD 680-209813/8-A	Lab Control Sample Dup	Total/NA	Water	8270C LL	209813
LCS 680-209813/9-A	Lab Control Sample	Total/NA	Water	8270C LL	209813
LCSD 680-209813/10-A	Lab Control Sample Dup	Total/NA	Water	8270C LL	209813
680-70633-22	MW-F9 (072111)	Total/NA	Water	8270C LL	209813
680-70633-25	MW-29 (072111)	Total/NA	Water	8270C LL	209813

Analysis Batch: 211582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-18	MW-F21 (072111)	Total/NA	Water	8270C LL	209662
680-70633-23	MW-22 (072111)	Total/NA	Water	8270C LL	209813
680-70633-26	MWD-29 (072111)	Total/NA	Water	8270C LL	209813

HPLC/IC

Prep Batch: 83042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 640-83042/1-A	Method Blank	Total/NA	Water	8315_W_Prep	

HPLC/IC (Continued)

Prep Batch: 83042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 640-83042/2-A	Lab Control Sample	Total/NA	Water	8315_W_Prep	
LCSD 640-83042/3-A	Lab Control Sample Dup	Total/NA	Water	8315_W_Prep	
680-70633-16	MW-F13 (072111)	Total/NA	Water	8315_W_Prep	
680-70633-18	MW-F21 (072111)	Total/NA	Water	8315_W_Prep	
680-70633-21	MW-F8 (072111)	Total/NA	Water	8315_W_Prep	
680-70633-22	MW-F9 (072111)	Total/NA	Water	8315_W_Prep	

Analysis Batch: 83096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70633-16	MW-F13 (072111)	Total/NA	Water	8315A	83042
680-70633-18	MW-F21 (072111)	Total/NA	Water	8315A	83042
680-70633-21	MW-F8 (072111)	Total/NA	Water	8315A	83042
680-70633-22	MW-F9 (072111)	Total/NA	Water	8315A	83042
MB 640-83042/1-A	Method Blank	Total/NA	Water	8315A	83042
LCS 640-83042/2-A	Lab Control Sample	Total/NA	Water	8315A	83042
LCSD 640-83042/3-A	Lab Control Sample Dup	Total/NA	Water	8315A	83042

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F12 (071911)

Lab Sample ID: 680-70633-1

Date Collected: 07/19/11 14:38
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 00:56	RB	TAL SAV
Total/NA	Prep	3520C			500.2 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		10			211441	08/08/11 20:06	ND	TAL SAV

Client Sample ID: MW-F11 (071911)

Lab Sample ID: 680-70633-2

Date Collected: 07/19/11 17:20
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 01:17	RB	TAL SAV
Total/NA	Prep	3520C			503.9 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		10			211444	08/09/11 17:07	ND	TAL SAV

Client Sample ID: MW-F6 (072011)

Lab Sample ID: 680-70633-3

Date Collected: 07/20/11 07:53
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 04:45	RB	TAL SAV
Total/NA	Prep	3520C			502.2 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			210844	08/03/11 17:24	ND	TAL SAV

Client Sample ID: MW-F5 (072011)

Lab Sample ID: 680-70633-4

Date Collected: 07/20/11 09:13
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 02:40	RB	TAL SAV
Total/NA	Prep	3520C			515.6 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			210844	08/03/11 17:50	ND	TAL SAV

Client Sample ID: MW-F3R (072011)

Lab Sample ID: 680-70633-5

Date Collected: 07/20/11 10:27
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 05:06	RB	TAL SAV
Total/NA	Prep	3520C			1056.9 mL	1 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			210844	08/03/11 18:16	ND	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F16 (072011)

Lab Sample ID: 680-70633-6
Date Collected: 07/20/11 13:12
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 03:01	RB	TAL SAV
Total/NA	Prep	3520C			503.6 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			210844	08/03/11 18:42	ND	TAL SAV

Client Sample ID: MW-25 (072011)

Lab Sample ID: 680-70633-7
Date Collected: 07/20/11 14:38
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 05:27	RB	TAL SAV
Total/NA	Prep	3520C			502.1 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			210844	08/03/11 19:07	ND	TAL SAV

Client Sample ID: MWD-25 (072011)

Lab Sample ID: 680-70633-8
Date Collected: 07/20/11 15:47
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 05:48	RB	TAL SAV
Total/NA	Prep	3520C			504.4 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			210844	08/03/11 19:33	ND	TAL SAV

Client Sample ID: MW-F2 (071911)

Lab Sample ID: 680-70633-9
Date Collected: 07/19/11 16:45
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 01:38	RB	TAL SAV
Total/NA	Prep	3520C			506.7 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			210844	08/03/11 19:59	ND	TAL SAV

Client Sample ID: MW-F19 (071911)

Lab Sample ID: 680-70633-10
Date Collected: 07/19/11 13:05
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 01:59	RB	TAL SAV
Total/NA	Prep	3520C			509.7 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211444	08/09/11 16:38	ND	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F1 (071911)

Lab Sample ID: 680-70633-11

Date Collected: 07/19/11 15:25
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 02:20	RB	TAL SAV
Total/NA	Prep	3520C			503.3 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 15:43	ND	TAL SAV

Client Sample ID: TB01 (072011)

Lab Sample ID: 680-70633-12

Date Collected: 07/20/11 12:00
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 03:22	RB	TAL SAV

Client Sample ID: MW-24 (072011)

Lab Sample ID: 680-70633-13

Date Collected: 07/20/11 08:25
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210132	07/26/11 14:03	RB	TAL SAV
Total/NA	Prep	3520C			503.9 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 16:10	ND	TAL SAV

Client Sample ID: MWD-24 (072011)

Lab Sample ID: 680-70633-14

Date Collected: 07/20/11 09:40
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210251	07/27/11 17:17	RB	TAL SAV
Total/NA	Prep	3520C			500.7 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 16:36	ND	TAL SAV

Client Sample ID: MW-23 (072011)

Lab Sample ID: 680-70633-15

Date Collected: 07/20/11 17:00
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210132	07/26/11 14:49	RB	TAL SAV
Total/NA	Prep	3520C			505.1 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 17:02	ND	TAL SAV

Client Sample ID: MW-F13 (072111)

Lab Sample ID: 680-70633-16

Date Collected: 07/21/11 07:48
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 03:43	RB	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F13 (072111)

Lab Sample ID: 680-70633-16
Date Collected: 07/21/11 07:48
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			503.5 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 17:29	ND	TAL SAV
Total/NA	Prep	8315_W_Prep			100 mL	4 mL	83042	07/22/11 10:05	DNS	TAL TAL
Total/NA	Analysis	8315A		1			83096	07/22/11 14:00	DNS	TAL TAL

Client Sample ID: MW-F14 (072111)

Lab Sample ID: 680-70633-17
Date Collected: 07/21/11 09:17
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 04:04	RB	TAL SAV
Total/NA	Prep	3520C			515.0 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 17:55	ND	TAL SAV

Client Sample ID: MW-F21 (072111)

Lab Sample ID: 680-70633-18
Date Collected: 07/21/11 10:47
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209886	07/24/11 04:24	RB	TAL SAV
Total/NA	Prep	3520C			1047.1 mL	1 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		50			211582	08/10/11 15:13	ND	TAL SAV
Total/NA	Prep	8315_W_Prep			100 mL	4 mL	83042	07/22/11 10:05	DNS	TAL TAL
Total/NA	Analysis	8315A		1			83096	07/22/11 14:12	DNS	TAL TAL

Client Sample ID: DUP-02 (072111)

Lab Sample ID: 680-70633-19
Date Collected: 07/21/11 12:00
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 13:40	RB	TAL SAV
Total/NA	Prep	3520C			1048.0 mL	1 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		10			211441	08/08/11 18:47	ND	TAL SAV

Client Sample ID: MWD-23 (072011)

Lab Sample ID: 680-70633-20
Date Collected: 07/20/11 17:35
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210132	07/26/11 14:26	RB	TAL SAV
Total/NA	Prep	3520C			513.5 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 19:13	ND	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MW-F8 (072111)

Lab Sample ID: 680-70633-21
Date Collected: 07/21/11 08:20
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210192	07/27/11 05:29	RB	TAL SAV
Total/NA	Prep	3520C			508.7 mL	0.5 mL	209662	07/22/11 15:26	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211441	08/08/11 19:40	ND	TAL SAV
Total/NA	Prep	8315_W_Prep			100 mL	4 mL	83042	07/22/11 10:05	DNS	TAL TAL
Total/NA	Analysis	8315A		1			83096	07/22/11 14:24	DNS	TAL TAL

Client Sample ID: MW-F9 (072111)

Lab Sample ID: 680-70633-22
Date Collected: 07/21/11 10:15
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209908	07/25/11 04:01	RB	TAL SAV
Total/NA	Prep	3520C			501.8 mL	0.5 mL	209813	07/23/11 13:18	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211444	08/09/11 19:43	ND	TAL SAV
Total/NA	Prep	8315_W_Prep			100 mL	4 mL	83042	07/22/11 10:05	DNS	TAL TAL
Total/NA	Analysis	8315A		1			83096	07/22/11 14:36	DNS	TAL TAL

Client Sample ID: MW-22 (072111)

Lab Sample ID: 680-70633-23
Date Collected: 07/21/11 12:00
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 14:10	RB	TAL SAV
Total/NA	Prep	3520C			500.0 mL	0.5 mL	209813	07/23/11 13:18	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 16:05	ND	TAL SAV

Client Sample ID: MWD-22 (072111)

Lab Sample ID: 680-70633-24
Date Collected: 07/21/11 13:25
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 14:39	RB	TAL SAV
Total/NA	Prep	3520C			501.0 mL	0.5 mL	209813	07/23/11 13:18	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211444	08/09/11 20:35	ND	TAL SAV

Client Sample ID: MW-29 (072111)

Lab Sample ID: 680-70633-25
Date Collected: 07/21/11 12:57
Matrix: Water
Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 15:09	RB	TAL SAV
Total/NA	Prep	3520C			502.7 mL	0.5 mL	209813	07/23/11 13:18	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211444	08/09/11 21:01	ND	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Client Sample ID: MWD-29 (072111)

Lab Sample ID: 680-70633-26

Date Collected: 07/21/11 14:05

Matrix: Water

Date Received: 07/21/11 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 15:38	RB	TAL SAV
Total/NA	Prep	3520C			501.3 mL	0.5 mL	209813	07/23/11 13:18	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 16:31	ND	TAL SAV

Laboratory References:

EMSL = EMSL Analytical, Inc., 200 Rt 130 North, Cinnaminson, NJ 08077

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Phone: (800) 220-3675 Fax: (856) 786-5974 Web: http://www.emsl.com Email:cinnasblab@EMSL.com

Attn: **Lidya Gulizia**
TestAmerica Laboratories, Inc.
5102 LaRoche Avenue
Savannah, GA 31404

Fax: (912) 352-0165 Phone: (912) 354-7858

Project: HERCULES SAVANNAH/REMEDIATION 68001205

EMSL Order:	041119844
Customer ID:	STLS77
Customer PO:	
EMSL Project ID:	
Received:	7/22/2011
Analyzed:	7/27/2011

Test Report: Determination of Asbestos Structures > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS: Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
MW-F8 (07211) (680-706 041119844-0001	7/22/2011 10:30 AM	25	1288	0.2640	None Detected	ND	0.20	<0.20	0.00 - 0.72
MW-F9 (07211) (680-706 041119844-0002	7/22/2011 10:30 AM	25	1288	0.5280	None Detected	ND	0.10	<0.10	0.00 - 0.36

Initial report from: 07/27/2011 17:57:46

Analyst(s)
Wayne Froehlich (2)

Stephen Siegel, CIH, Laboratory Manager
or other Approved Signatory

Any questions please contact Steve Siegel.

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report may not be reproduced, except in full, without written permission by EMSL Analytical, Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to the samples reported above. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NJ DEP 03036

Serial Number 043876

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PAGE 1 OF 3

PROJECT REFERENCE: Ashland - Savannah	PROJECT NO.: OH004000.GA60. 10300	PROJECT LOCATION (STATE): GA
TAL (LAB) PROJECT MANAGER:	P.O. NUMBER: NA	CONTRACT NO.: NA
CLIENT (SITE) PM: David Wilderman	CLIENT PHONE: ~~404~~ 7704289009	CLIENT FAX: 7704284004
CLIENT NAME: ARCADIS	CLIENT E-MAIL: david.wilderman@arcadis-us.com	
CLIENT ADDRESS: 1000 Cobb Place Blvd. ~~Bldg~~ 500A, Kennesaw, GA		
COMPANY CONTRACTING THIS WORK (if applicable):		

STANDARD REPORT DELIVERY: DATE DUE Std
EXPEDITED REPORT DELIVERY (SURCHARGE): DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 8260B VOC; 8270LL SVOC

PRESERVATIVE: Hot Tube; None

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B VOC	8270LL SVOC	REMARKS
071911	1438	MW-F12 (071911)	G	X				9	4	MS/MSD
071911	1720	MW-F11 (071911)	G	X				3	1	
072011	0753	MW-F6 (072011)	G	X				3	1	
072011	0913	MW-F5 (072011)	G	X				3	1	
072011	1027	MW-F3R (072011)	G	X				3	2	
072011	1312	MW-F16 (072011)	G	X				3	1	
072011	1438	MW-~~F~~ OB25 (072011)	G	X				3	1	
072011	1547	MWD-25 (072011)	G	X				3	1	
071911	1645	MW-F2 (071911)	G	X				3	1	
071911	1305	MW-F19 (071911)	G	X				3	1	
071911	1525	MW-F1 (071911)	G	X				3	1	
072011	1200	TB01 (072011)	-	X				2		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	072111	1500	[signature]	7/21/11	15:05			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	7/21/11	15:25	YES / NO		680-70633	Temps 0.2°C, 0.8°C, 4.4°C, 2.6°C

TAL 8240-680 (1008)

Serial Number 041674

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PAGE 2 OF 3

PROJECT REFERENCE: Ashland - Savannah	PROJECT NO.: OH004000.GA60.16300	PROJECT LOCATION (STATE): GA
TAL (LAB) PROJECT MANAGER:	P.O. NUMBER: NA	CONTRACT NO.: NA
CLIENT (SITE) PM: David Wilderman	CLIENT PHONE: 7704289009	CLIENT FAX: 7704284004
CLIENT NAME: ARCADIS	CLIENT E-MAIL: david.wilderman@arcadis-ns.com	
CLIENT ADDRESS: 1000 Cobb Place Blvd. Bldg 500A, Kennesaw, GA		
COMPANY CONTRACTING THIS WORK (if applicable):		

STANDARD REPORT DELIVERY: ● DATE DUE: std
EXPEDITED REPORT DELIVERY (SURCHARGE): ○ DATE DUE:
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B VOC	8270LL SVOC	8315 Formaldehyde	100.2 Asbestos							REMARKS
								none	none	PRESERVATIVE								
7/20/11	0825	MW-24 (072011)	G	X				3	1									
7/20/11	0940	MWD-24 (072011)	G	X				3	1									
07/20/11	1700	MW-23 (072011)	G	X				3	1									
072111	0748	MW-F13 (072111)	G	X				3	1	2								
072111	0917	MW-F14 (072111)	G	X				3	1									
072111	1047	MW-F21 (072111)	G	X				3	2	2								
072111	1200	~~MW~~ DUP-02 (072111)	G	X				3	2									
072011	1735	MWD-23 (072011)	G	X				3	1									
072111	0820	MW-F8 (072111)	G	X				3	1	2	1							
072111	1015	MW-F9 (072111)	G	X				3	1	2	1							
7/21/11	1200	MW-22 (072111)	G	X				3	1									
7/21/11	1325	MWD-22 (072111)	G	X				3	1									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	072111	1500	[signature]	7/21/11	15:05			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	7/21/11	15:25	YES ○ NO ○		680-70633	Temps 0.2°C, 0.8°C, 4.4°C, 2.6°C

TAL 8240-680 (1008)

Serial Number 043875

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Ashland - Savannah	PROJECT NO.: 10500 0H004000.16A60.	PROJECT LOCATION (STATE): GA	PAGE 3 OF 3
TAL (LAB) PROJECT MANAGER:	P.O. NUMBER: NA	CONTRACT NO.: NA	STANDARD REPORT DELIVERY ● DATE DUE: Std
CLIENT (SITE) PM: David Wilderman	CLIENT PHONE: 770.428.9009	CLIENT FAX: 770.428.4004	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE:
CLIENT NAME: ARCADIS	CLIENT E-MAIL: david.wilderman@arcadis-us.com		NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
CLIENT ADDRESS: 1000 Cobb Place Blvd. Bldg 500A · Kennesaw, GA			
COMPANY CONTRACTING THIS WORK (if applicable):			

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B VOC	8270 LL SVOC								REMARKS
								None	None	PRESERVATIVE							
								NUMBER OF CONTAINERS SUBMITTED									
072111	1257	MW-29 (072111)	G	X				3	1								
072111	1405	MWD-29 (072111)	G	X				3	1								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	072111	1500	[signature]	7/21/11	15:05			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	7/21/11	15:25	YES ○ NO ○		680-70633	Temps 0.2°C, 0.8°C, 4.4°C, 2.6°C

TAL 8240-680 (1008)

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

04119844

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gulizia, Lidya	Carrier Tracking No(s):	COC No: 680-217868.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: lidya.gulizia@testamericainc.com		Page: Page 1 of 1
Company: EMSL Analytical, Inc.				Job #: 680-70633-1
Address: 200 Rt 130 North,	Due Date Requested: 8/2/2011 = 1wk			
City: Cinnaminson	TAT Requested (days):			
State, Zip: NJ, 08077				
Phone:	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Remediation	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Asbestos	Total Number of containers	Special Instructions/Note:
			Preservation Code						
MW-F8 (072111) (680-70633-21)	7/21/11	08:20 Eastern		Water			X	1	
MW-F9 (072111) (680-70633-22)	7/21/11	10:15 Eastern		Water			X	1	

RECEIVED
EMSL
CINNAMINSON, N.J.
11 JUL 22 AM 9:41
SAMP RECEIVED
EMSL ANALYTICAL INC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ruth A Daughtry	07.21.11c 1619	MASAV			
			10MB-FX-925A	7-22-11	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70633-1

Login Number: 70633

List Source: TestAmerica Savannah

List Number: 1

Creator: Daughtry, Beth

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4 coolers rec'd via lab courier.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2, 0.8, 4.4, 2.6 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70633-1

Login Number: 70633
List Number: 1
Creator: Jones, Matt

List Source: TestAmerica Tallahassee
List Creation: 07/22/11 10:06 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC Secondary AB	3	460161
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q
TestAmerica Tallahassee	Florida	NELAC	4	E81005
TestAmerica Tallahassee	Louisiana	NELAC	6	30663
TestAmerica Tallahassee	New Jersey	NELAC	2	FL012

Certification Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70633-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tallahassee	Oklahoma	State Program	6	9986
TestAmerica Tallahassee	Texas	NELAC	6	T104704459-11-2
TestAmerica Tallahassee	USDA	USDA		P330-08-00158

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-70683-1
Client Project/Site: Hercules Savannah - GW July 2011
Revision: 1

For:
Ashland Inc.
Ashland Hercules Research Center
500 Hercules Rd Bldg 8139
Wilmington, Delaware 19808

Attn: Timothy Hassett

Authorized for release by:
08/22/2011 05:10:43 PM

Lidya Gulizia
Project Manager II
lidya.gulizia@testamericainc.com

cc: Holly English

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Job ID: 680-70683-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-70683-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210445 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS and LCSD associated with batch 210445 had 2 and 1 analytes outside control limits, respectively; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS and LCSD associated with batch 210497 had 2 and 1 analytes outside control limits, respectively; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210074 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C LL: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 210074 exceeded control limits for the following analyte(s): hexachlorophene. It has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for this analyte. The results have been reported and qualified.

Method(s) 8270C LL: The method blank for batch 210074 contained bis(2-ethylhexyl)phthalate, a common lab contaminate, above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Comments
No additional comments.

Sample Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70683-1	MW-26 (072111)	Water	07/21/11 17:08	07/23/11 08:21
680-70683-2	MWD-28 (072211)	Water	07/22/11 08:03	07/23/11 08:21
680-70683-3	MW-27 (072211)	Water	07/22/11 09:57	07/23/11 08:21
680-70683-4	MWD-27 (072211)	Water	07/22/11 11:28	07/23/11 08:21
680-70683-5	MW-F7 (072211)	Water	07/22/11 12:43	07/23/11 08:21
680-70683-6	DUP-01 (072211)	Water	07/22/11 12:00	07/23/11 08:21
680-70683-7	MWD-30 (072211)	Water	07/22/11 14:28	07/23/11 08:21
680-70683-8	MW-F15 (072211)	Water	07/22/11 16:10	07/23/11 08:21
680-70683-9	MWD-F1 (072211)	Water	07/22/11 13:50	07/23/11 08:21
680-70683-10	MWD-F2 (072211)	Water	07/22/11 10:25	07/23/11 08:21
680-70683-11	MWD-F3 (072211)	Water	07/22/11 17:25	07/23/11 08:21
680-70683-12	MW-32 (072111)	Water	07/21/11 15:30	07/23/11 08:21
680-70683-13	MW-28 (072111)	Water	07/21/11 17:05	07/23/11 08:21
680-70683-14	TB01 (072211)	Water	07/22/11 17:00	07/23/11 08:21
680-70683-15	MW-F17 (072211)	Water	07/22/11 17:50	07/23/11 08:21

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-26 (072111) — Lab Sample ID: 680-70683-1

No Detections

Client Sample ID: MWD-28 (072211) — Lab Sample ID: 680-70683-2

No Detections

Client Sample ID: MW-27 (072211) — Lab Sample ID: 680-70683-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.9		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MWD-27 (072211) — Lab Sample ID: 680-70683-4

No Detections

Client Sample ID: MW-F7 (072211) — Lab Sample ID: 680-70683-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.9		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: DUP-01 (072211) — Lab Sample ID: 680-70683-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.7		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MWD-30 (072211) — Lab Sample ID: 680-70683-7

No Detections

Client Sample ID: MW-F15 (072211) — Lab Sample ID: 680-70683-8

No Detections

Client Sample ID: MWD-F1 (072211) — Lab Sample ID: 680-70683-9

No Detections

Client Sample ID: MWD-F2 (072211) — Lab Sample ID: 680-70683-10

No Detections

Client Sample ID: MWD-F3 (072211) — Lab Sample ID: 680-70683-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.5		2.0		ug/L	1		8270C LL	Total/NA

Client Sample ID: MW-32 (072111) — Lab Sample ID: 680-70683-12

No Detections

Client Sample ID: MW-28 (072111) — Lab Sample ID: 680-70683-13

No Detections

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: TB01 (072211) — Lab Sample ID: 680-70683-14

No Detections

Client Sample ID: MW-F17 (072211) — Lab Sample ID: 680-70683-15

No Detections

Client Sample ID: MW-26 (072111)

Date Collected: 07/21/11 17:08
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 17:55	1
Acetonitrile	40	U	40		ug/L			07/26/11 17:55	1
Acrolein	20	U	20		ug/L			07/26/11 17:55	1
Acrylonitrile	20	U	20		ug/L			07/26/11 17:55	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 17:55	1
Benzene	1.0	U	1.0		ug/L			07/26/11 17:55	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 17:55	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
2-Butanone	10	U	10		ug/L			07/26/11 17:55	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 17:55	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 17:55	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 17:55	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 17:55	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 17:55	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 17:55	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 17:55	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 17:55	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 17:55	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 17:55	1
2-Hexanone	10	U	10		ug/L			07/26/11 17:55	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 17:55	1
Isobutanol	40	U	40		ug/L			07/26/11 17:55	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 17:55	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 17:55	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 17:55	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 17:55	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 17:55	1
Propionitrile	20	U	20		ug/L			07/26/11 17:55	1
Styrene	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 17:55	1
Toluene	1.0	U	1.0		ug/L			07/26/11 17:55	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 17:55	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 17:55	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 17:55	1

Client Sample ID: MW-26 (072111)

Date Collected: 07/21/11 17:08
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 17:55	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 17:55	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 17:55	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 17:55	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 17:55	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 17:55	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*07/26/11 17:55*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/26/11 17:55*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/26/11 17:55*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Acetophenone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/26/11 14:51	08/10/11 18:14	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 18:14	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Diallate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Dibenzofuran	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1

Client Sample ID: MW-26 (072111)

Date Collected: 07/21/11 17:08
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-1

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,4-Dinitrophenol	10	U	10		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Disulfoton	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Famphur	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Hexachloroethane	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Hexachlorophene	500	U *	500		ug/L		07/26/11 14:51	08/10/11 18:14	1
Hexachloropropene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Isophorone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Isosafrole	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 18:14	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Methyl parathion	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Nitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-26 (072111)

Date Collected: 07/21/11 17:08
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-1

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Phenacetin	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Phenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Phorate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 18:14	1
Pronamide	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:14	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Safrole, Total	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Sulfotepp	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
Thionazin	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2-Toluidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 18:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*48*		*27 - 130*	*07/26/11 14:51*	*08/10/11 18:14*	*1*
Nitrobenzene-d5 (Surr)	*46*		*32 - 130*	*07/26/11 14:51*	*08/10/11 18:14*	*1*
Terphenyl-d14 (Surr)	*76*		*36 - 130*	*07/26/11 14:51*	*08/10/11 18:14*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*30 - 130*	*07/26/11 14:51*	*08/10/11 18:14*	*1*
2-Fluorophenol (Surr)	*44*		*25 - 130*	*07/26/11 14:51*	*08/10/11 18:14*	*1*
2-Fluorobiphenyl	*52*		*34 - 130*	*07/26/11 14:51*	*08/10/11 18:14*	*1*

Client Sample ID: MWD-28 (072211)

Lab Sample ID: 680-70683-2

Date Collected: 07/22/11 08:03

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 18:24	1
Acetonitrile	40	U	40		ug/L			07/26/11 18:24	1
Acrolein	20	U	20		ug/L			07/26/11 18:24	1
Acrylonitrile	20	U	20		ug/L			07/26/11 18:24	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 18:24	1
Benzene	1.0	U	1.0		ug/L			07/26/11 18:24	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 18:24	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
2-Butanone	10	U	10		ug/L			07/26/11 18:24	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 18:24	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 18:24	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:24	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 18:24	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 18:24	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 18:24	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:24	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 18:24	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 18:24	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 18:24	1
2-Hexanone	10	U	10		ug/L			07/26/11 18:24	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 18:24	1
Isobutanol	40	U	40		ug/L			07/26/11 18:24	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 18:24	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 18:24	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 18:24	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 18:24	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 18:24	1
Propionitrile	20	U	20		ug/L			07/26/11 18:24	1
Styrene	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 18:24	1
Toluene	1.0	U	1.0		ug/L			07/26/11 18:24	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 18:24	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 18:24	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 18:24	1

Client Sample ID: MWD-28 (072211)

Date Collected: 07/22/11 08:03
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 18:24	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 18:24	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 18:24	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 18:24	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 18:24	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 18:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*07/26/11 18:24*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/26/11 18:24*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/26/11 18:24*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 18:40	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 18:40	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1

Client Sample ID: MWD-28 (072211)
Date Collected: 07/22/11 08:03
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-2
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Hexachlorophene	500	U *	500		ug/L		07/26/11 14:51	08/10/11 18:40	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 18:40	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-28 (072211)

Date Collected: 07/22/11 08:03
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-2

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 18:40	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 18:40	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 18:40	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 18:40	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*49*		*27 - 130*	*07/26/11 14:51*	*08/10/11 18:40*	*1*
Nitrobenzene-d5 (Surr)	*51*		*32 - 130*	*07/26/11 14:51*	*08/10/11 18:40*	*1*
Terphenyl-d14 (Surr)	*76*		*36 - 130*	*07/26/11 14:51*	*08/10/11 18:40*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*30 - 130*	*07/26/11 14:51*	*08/10/11 18:40*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 130*	*07/26/11 14:51*	*08/10/11 18:40*	*1*
2-Fluorobiphenyl	*51*		*34 - 130*	*07/26/11 14:51*	*08/10/11 18:40*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-27 (072211)
Date Collected: 07/22/11 09:57
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 18:54	1
Acetonitrile	40	U	40		ug/L			07/26/11 18:54	1
Acrolein	20	U	20		ug/L			07/26/11 18:54	1
Acrylonitrile	20	U	20		ug/L			07/26/11 18:54	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 18:54	1
Benzene	1.0	U	1.0		ug/L			07/26/11 18:54	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 18:54	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
2-Butanone	10	U	10		ug/L			07/26/11 18:54	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 18:54	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 18:54	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:54	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 18:54	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 18:54	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 18:54	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:54	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 18:54	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 18:54	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 18:54	1
2-Hexanone	10	U	10		ug/L			07/26/11 18:54	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 18:54	1
Isobutanol	40	U	40		ug/L			07/26/11 18:54	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 18:54	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 18:54	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 18:54	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 18:54	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 18:54	1
Propionitrile	20	U	20		ug/L			07/26/11 18:54	1
Styrene	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
Tetrachloroethene	**2.9**		1.0		ug/L			07/26/11 18:54	1
Toluene	1.0	U	1.0		ug/L			07/26/11 18:54	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 18:54	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 18:54	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 18:54	1

Client Sample ID: MW-27 (072211)

Lab Sample ID: 680-70683-3

Date Collected: 07/22/11 09:57
Matrix: Water
Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 18:54	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 18:54	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 18:54	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 18:54	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 18:54	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 18:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*07/26/11 18:54*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/26/11 18:54*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/26/11 18:54*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 19:06	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 19:06	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1

Client Sample ID: MW-27 (072211)

Date Collected: 07/22/11 09:57
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-3

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Hexachlorophene	500	U *	500		ug/L		07/26/11 14:51	08/10/11 19:06	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 19:06	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-27 (072211)

Date Collected: 07/22/11 09:57
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-3

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 19:06	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:06	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:06	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:06	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*41*		*27 - 130*	*07/26/11 14:51*	*08/10/11 19:06*	*1*
Nitrobenzene-d5 (Surr)	*46*		*32 - 130*	*07/26/11 14:51*	*08/10/11 19:06*	*1*
Terphenyl-d14 (Surr)	*74*		*36 - 130*	*07/26/11 14:51*	*08/10/11 19:06*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*30 - 130*	*07/26/11 14:51*	*08/10/11 19:06*	*1*
2-Fluorophenol (Surr)	*43*		*25 - 130*	*07/26/11 14:51*	*08/10/11 19:06*	*1*
2-Fluorobiphenyl	*48*		*34 - 130*	*07/26/11 14:51*	*08/10/11 19:06*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-27 (072211)
Date Collected: 07/22/11 11:28
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 19:23	1
Acetonitrile	40	U	40		ug/L			07/26/11 19:23	1
Acrolein	20	U	20		ug/L			07/26/11 19:23	1
Acrylonitrile	20	U	20		ug/L			07/26/11 19:23	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 19:23	1
Benzene	1.0	U	1.0		ug/L			07/26/11 19:23	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 19:23	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
2-Butanone	10	U	10		ug/L			07/26/11 19:23	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 19:23	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 19:23	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:23	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 19:23	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 19:23	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 19:23	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:23	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 19:23	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 19:23	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 19:23	1
2-Hexanone	10	U	10		ug/L			07/26/11 19:23	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 19:23	1
Isobutanol	40	U	40		ug/L			07/26/11 19:23	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 19:23	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 19:23	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 19:23	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 19:23	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 19:23	1
Propionitrile	20	U	20		ug/L			07/26/11 19:23	1
Styrene	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 19:23	1
Toluene	1.0	U	1.0		ug/L			07/26/11 19:23	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 19:23	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 19:23	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 19:23	1

Client Sample ID: MWD-27 (072211)

Lab Sample ID: 680-70683-4

Date Collected: 07/22/11 11:28
Date Received: 07/23/11 08:21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 19:23	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 19:23	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 19:23	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 19:23	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 19:23	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 19:23	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*07/26/11 19:23*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*07/26/11 19:23*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/26/11 19:23*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 19:32	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 19:32	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1

Client Sample ID: MWD-27 (072211)
Date Collected: 07/22/11 11:28
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-4
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Hexachlorophene	500	U *	500		ug/L		07/26/11 14:51	08/10/11 19:32	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 19:32	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-27 (072211)

Date Collected: 07/22/11 11:28
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-4

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 19:32	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 19:32	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 19:32	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 19:32	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*49*		*27 - 130*	*07/26/11 14:51*	*08/10/11 19:32*	*1*
Nitrobenzene-d5 (Surr)	*54*		*32 - 130*	*07/26/11 14:51*	*08/10/11 19:32*	*1*
Terphenyl-d14 (Surr)	*82*		*36 - 130*	*07/26/11 14:51*	*08/10/11 19:32*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*30 - 130*	*07/26/11 14:51*	*08/10/11 19:32*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 130*	*07/26/11 14:51*	*08/10/11 19:32*	*1*
2-Fluorobiphenyl	*56*		*34 - 130*	*07/26/11 14:51*	*08/10/11 19:32*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-F7 (072211)

Lab Sample ID: 680-70683-5

Date Collected: 07/22/11 12:43
Matrix: Water
Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 19:53	1
Acetonitrile	40	U	40		ug/L			07/26/11 19:53	1
Acrolein	20	U	20		ug/L			07/26/11 19:53	1
Acrylonitrile	20	U	20		ug/L			07/26/11 19:53	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 19:53	1
Benzene	1.0	U	1.0		ug/L			07/26/11 19:53	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 19:53	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
2-Butanone	10	U	10		ug/L			07/26/11 19:53	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 19:53	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 19:53	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:53	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 19:53	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 19:53	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 19:53	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:53	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 19:53	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 19:53	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 19:53	1
2-Hexanone	10	U	10		ug/L			07/26/11 19:53	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 19:53	1
Isobutanol	40	U	40		ug/L			07/26/11 19:53	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 19:53	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 19:53	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 19:53	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 19:53	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 19:53	1
Propionitrile	20	U	20		ug/L			07/26/11 19:53	1
Styrene	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
Tetrachloroethene	**2.9**		1.0		ug/L			07/26/11 19:53	1
Toluene	1.0	U	1.0		ug/L			07/26/11 19:53	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 19:53	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 19:53	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 19:53	1

Client Sample ID: MW-F7 (072211)

Lab Sample ID: 680-70683-5

Date Collected: 07/22/11 12:43
Matrix: Water
Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 19:53	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 19:53	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 19:53	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 19:53	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 19:53	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 19:53	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*07/26/11 19:53*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*07/26/11 19:53*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/26/11 19:53*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Acenaphthylene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Acetophenone	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Acetylaminofluorene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
alpha,alpha-Dimethyl phenethylamine	9.5	U	9.5		ug/L		07/26/11 14:51	08/10/11 19:58	1
4-Aminobiphenyl	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
Aniline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
Anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Aramite, Total	1.4	U	1.4		ug/L		07/26/11 14:51	08/10/11 19:58	1
Benzo[a]anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Benzo[a]pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Benzo[b]fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Benzo[g,h,i]perylene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Benzo[k]fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Benzyl alcohol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Bis(2-chloroethoxy)methane	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Bis(2-chloroethyl)ether	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
bis (2-chloroisopropyl) ether	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
4-Bromophenyl phenyl ether	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Butyl benzyl phthalate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
4-Chloroaniline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
4-Chloro-3-methylphenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Chloronaphthalene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Chlorophenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
4-Chlorophenyl phenyl ether	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Chrysene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Diallate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Dibenz(a,h)anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Dibenzofuran	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,4-Dichlorobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,3-Dichlorobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,2-Dichlorobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1

Client Sample ID: MW-F7 (072211)
Date Collected: 07/22/11 12:43
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Lab Sample ID: 680-70683-5
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	19	U	19		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,4-Dichlorophenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,6-Dichlorophenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Diethyl phthalate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Dimethoate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
7,12-Dimethylbenz(a)anthracene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
3,3'-Dimethylbenzidine	19	U	19		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,4-Dimethylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
Dimethyl phthalate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Di-n-butyl phthalate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,3-Dinitrobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,4-Dinitrophenol	9.5	U	9.5		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,4-Dinitrotoluene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,6-Dinitrotoluene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Di-n-octyl phthalate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Dinoseb	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,4-Dioxane	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
Disulfoton	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Ethyl methanesulfonate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
Ethyl Parathion	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
Famphur	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Fluorene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Hexachlorobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Hexachlorobutadiene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Hexachlorocyclopentadiene	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
Hexachloroethane	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Hexachlorophene	480	U *	480		ug/L		07/26/11 14:51	08/10/11 19:58	1
Hexachloropropene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Isophorone	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Isosafrole	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Methapyrilene	190	U	190		ug/L		07/26/11 14:51	08/10/11 19:58	1
3-Methylcholanthrene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Methyl methanesulfonate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Methylnaphthalene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Methyl parathion	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Methylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
3 & 4 Methylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
Naphthalene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,4-Naphthoquinone	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1-Naphthylamine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Naphthylamine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
4-Nitroaniline	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Nitroaniline	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
3-Nitroaniline	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
Nitrobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
4-Nitrophenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Nitrophenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-F7 (072211)

Date Collected: 07/22/11 12:43
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-5

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitro-o-toluidine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosodiethylamine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosodimethylamine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosodi-n-butylamine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosodi-n-propylamine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosodiphenylamine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosomethylethylamine	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosomorpholine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosopiperidine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
N-Nitrosopyrrolidine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
o,o',o''-Triethylphosphorothioate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
p-Dimethylamino azobenzene	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
Pentachlorobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Pentachloronitrobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Pentachlorophenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
Phenacetin	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Phenanthrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Phenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Phorate	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Picoline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 19:58	1
p-Phenylene diamine	190	U	190		ug/L		07/26/11 14:51	08/10/11 19:58	1
Pronamide	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 19:58	1
Pyridine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 19:58	1
Safrole, Total	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Sulfotepp	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,2,4,5-Tetrachlorobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,3,4,6-Tetrachlorophenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
Thionazin	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2-Toluidine	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,2,4-Trichlorobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,4,6-Trichlorophenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
2,4,5-Trichlorophenol	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1
1,3,5-Trinitrobenzene	0.95	U	0.95		ug/L		07/26/11 14:51	08/10/11 19:58	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*58*		*27 - 130*	*07/26/11 14:51*	*08/10/11 19:58*	*1*
Nitrobenzene-d5 (Surr)	*62*		*32 - 130*	*07/26/11 14:51*	*08/10/11 19:58*	*1*
Terphenyl-d14 (Surr)	*92*		*36 - 130*	*07/26/11 14:51*	*08/10/11 19:58*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*30 - 130*	*07/26/11 14:51*	*08/10/11 19:58*	*1*
2-Fluorophenol (Surr)	*59*		*25 - 130*	*07/26/11 14:51*	*08/10/11 19:58*	*1*
2-Fluorobiphenyl	*68*		*34 - 130*	*07/26/11 14:51*	*08/10/11 19:58*	*1*

Client Sample ID: DUP-01 (072211)

Lab Sample ID: 680-70683-6

Date Collected: 07/22/11 12:00

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/29/11 03:41	1
Acetonitrile	40	U	40		ug/L			07/29/11 03:41	1
Acrolein	20	U	20		ug/L			07/29/11 03:41	1
Acrylonitrile	20	U	20		ug/L			07/29/11 03:41	1
Allyl chloride	1.0	U	1.0		ug/L			07/29/11 03:41	1
Benzene	1.0	U	1.0		ug/L			07/29/11 03:41	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
Bromoform	1.0	U *	1.0		ug/L			07/29/11 03:41	1
Bromomethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
2-Butanone	10	U	10		ug/L			07/29/11 03:41	1
Carbon disulfide	2.0	U	2.0		ug/L			07/29/11 03:41	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/29/11 03:41	1
Chlorobenzene	1.0	U	1.0		ug/L			07/29/11 03:41	1
Chloroethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
Chloroform	1.0	U	1.0		ug/L			07/29/11 03:41	1
Chloromethane	1.0	U *	1.0		ug/L			07/29/11 03:41	1
Chloroprene	1.0	U	1.0		ug/L			07/29/11 03:41	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 03:41	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
Dibromomethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 03:41	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,4-Dioxane	50	U	50		ug/L			07/29/11 03:41	1
Ethylbenzene	1.0	U	1.0		ug/L			07/29/11 03:41	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/29/11 03:41	1
2-Hexanone	10	U	10		ug/L			07/29/11 03:41	1
Iodomethane	5.0	U	5.0		ug/L			07/29/11 03:41	1
Isobutanol	40	U	40		ug/L			07/29/11 03:41	1
Methacrylonitrile	20	U	20		ug/L			07/29/11 03:41	1
Methylene Chloride	5.0	U	5.0		ug/L			07/29/11 03:41	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/29/11 03:41	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/29/11 03:41	1
Pentachloroethane	5.0	U	5.0		ug/L			07/29/11 03:41	1
Propionitrile	20	U	20		ug/L			07/29/11 03:41	1
Styrene	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
Tetrachloroethene	**2.7**		1.0		ug/L			07/29/11 03:41	1
Toluene	1.0	U	1.0		ug/L			07/29/11 03:41	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/29/11 03:41	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 03:41	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 03:41	1

Client Sample ID: DUP-01 (072211)

Lab Sample ID: 680-70683-6

Date Collected: 07/22/11 12:00
Date Received: 07/23/11 08:21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
Trichloroethene	1.0	U	1.0		ug/L			07/29/11 03:41	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/29/11 03:41	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/29/11 03:41	1
Vinyl acetate	2.0	U	2.0		ug/L			07/29/11 03:41	1
Vinyl chloride	1.0	U	1.0		ug/L			07/29/11 03:41	1
Xylenes, Total	2.0	U	2.0		ug/L			07/29/11 03:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*07/29/11 03:41*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/29/11 03:41*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/29/11 03:41*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Acenaphthylene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Acetophenone	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Acetylaminofluorene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
alpha,alpha-Dimethyl phenethylamine	9.6	U	9.6		ug/L		07/26/11 14:51	08/10/11 20:24	1
4-Aminobiphenyl	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
Aniline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
Anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Aramite, Total	1.4	U	1.4		ug/L		07/26/11 14:51	08/10/11 20:24	1
Benzo[a]anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Benzo[a]pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Benzo[b]fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Benzo[g,h,i]perylene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Benzo[k]fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Benzyl alcohol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Bis(2-chloroethoxy)methane	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Bis(2-chloroethyl)ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
bis (2-chloroisopropyl) ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
4-Bromophenyl phenyl ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Butyl benzyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
4-Chloroaniline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
4-Chloro-3-methylphenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Chloronaphthalene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Chlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
4-Chlorophenyl phenyl ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Chrysene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Diallate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Dibenz(a,h)anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Dibenzofuran	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,4-Dichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,3-Dichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,2-Dichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1

Client Sample ID: DUP-01 (072211)
Date Collected: 07/22/11 12:00
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-6
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	19	U	19		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,4-Dichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,6-Dichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Diethyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Dimethoate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
7,12-Dimethylbenz(a)anthracene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
3,3'-Dimethylbenzidine	19	U	19		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,4-Dimethylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
Dimethyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Di-n-butyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,3-Dinitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,4-Dinitrophenol	9.6	U	9.6		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,4-Dinitrotoluene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,6-Dinitrotoluene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Di-n-octyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Dinoseb	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,4-Dioxane	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
Disulfoton	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Ethyl methanesulfonate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
Ethyl Parathion	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
Famphur	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Fluorene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Hexachlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Hexachlorobutadiene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Hexachlorocyclopentadiene	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
Hexachloroethane	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Hexachlorophene	480	U *	480		ug/L		07/26/11 14:51	08/10/11 20:24	1
Hexachloropropene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Isophorone	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Isosafrole	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Methapyrilene	190	U	190		ug/L		07/26/11 14:51	08/10/11 20:24	1
3-Methylcholanthrene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Methyl methanesulfonate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Methylnaphthalene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Methyl parathion	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Methylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
3 & 4 Methylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
Naphthalene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,4-Naphthoquinone	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1-Naphthylamine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Naphthylamine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
4-Nitroaniline	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Nitroaniline	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
3-Nitroaniline	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
Nitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
4-Nitrophenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Nitrophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1

Client Sample ID: DUP-01 (072211)

Lab Sample ID: 680-70683-6

Date Collected: 07/22/11 12:00
Matrix: Water
Date Received: 07/23/11 08:21

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitro-o-toluidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosodiethylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosodimethylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosodi-n-butylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosodi-n-propylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosodiphenylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosomethylethylamine	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosomorpholine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosopiperidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
N-Nitrosopyrrolidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
o,o',o''-Triethylphosphorothioate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
p-Dimethylamino azobenzene	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
Pentachlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Pentachloronitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Pentachlorophenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
Phenacetin	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Phenanthrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Phenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Phorate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Picoline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:24	1
p-Phenylene diamine	190	U	190		ug/L		07/26/11 14:51	08/10/11 20:24	1
Pronamide	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:24	1
Pyridine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:24	1
Safrole, Total	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Sulfotepp	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,2,4,5-Tetrachlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,3,4,6-Tetrachlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
Thionazin	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2-Toluidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,2,4-Trichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,4,6-Trichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
2,4,5-Trichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1
1,3,5-Trinitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*58*		*27 - 130*	*07/26/11 14:51*	*08/10/11 20:24*	*1*
Nitrobenzene-d5 (Surr)	*60*		*32 - 130*	*07/26/11 14:51*	*08/10/11 20:24*	*1*
Terphenyl-d14 (Surr)	*89*		*36 - 130*	*07/26/11 14:51*	*08/10/11 20:24*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*30 - 130*	*07/26/11 14:51*	*08/10/11 20:24*	*1*
2-Fluorophenol (Surr)	*60*		*25 - 130*	*07/26/11 14:51*	*08/10/11 20:24*	*1*
2-Fluorobiphenyl	*68*		*34 - 130*	*07/26/11 14:51*	*08/10/11 20:24*	*1*

Client Sample ID: MWD-30 (072211)

Date Collected: 07/22/11 14:28
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/29/11 04:03	1
Acetonitrile	40	U	40		ug/L			07/29/11 04:03	1
Acrolein	20	U	20		ug/L			07/29/11 04:03	1
Acrylonitrile	20	U	20		ug/L			07/29/11 04:03	1
Allyl chloride	1.0	U	1.0		ug/L			07/29/11 04:03	1
Benzene	1.0	U	1.0		ug/L			07/29/11 04:03	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
Bromoform	1.0	U *	1.0		ug/L			07/29/11 04:03	1
Bromomethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
2-Butanone	10	U	10		ug/L			07/29/11 04:03	1
Carbon disulfide	2.0	U	2.0		ug/L			07/29/11 04:03	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/29/11 04:03	1
Chlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:03	1
Chloroethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
Chloroform	1.0	U	1.0		ug/L			07/29/11 04:03	1
Chloromethane	1.0	U *	1.0		ug/L			07/29/11 04:03	1
Chloroprene	1.0	U	1.0		ug/L			07/29/11 04:03	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 04:03	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
Dibromomethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:03	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,4-Dioxane	50	U	50		ug/L			07/29/11 04:03	1
Ethylbenzene	1.0	U	1.0		ug/L			07/29/11 04:03	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/29/11 04:03	1
2-Hexanone	10	U	10		ug/L			07/29/11 04:03	1
Iodomethane	5.0	U	5.0		ug/L			07/29/11 04:03	1
Isobutanol	40	U	40		ug/L			07/29/11 04:03	1
Methacrylonitrile	20	U	20		ug/L			07/29/11 04:03	1
Methylene Chloride	5.0	U	5.0		ug/L			07/29/11 04:03	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/29/11 04:03	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/29/11 04:03	1
Pentachloroethane	5.0	U	5.0		ug/L			07/29/11 04:03	1
Propionitrile	20	U	20		ug/L			07/29/11 04:03	1
Styrene	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/29/11 04:03	1
Toluene	1.0	U	1.0		ug/L			07/29/11 04:03	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/29/11 04:03	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 04:03	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 04:03	1

Client Sample ID: MWD-30 (072211)

Lab Sample ID: 680-70683-7

Date Collected: 07/22/11 14:28
Date Received: 07/23/11 08:21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
Trichloroethene	1.0	U	1.0		ug/L			07/29/11 04:03	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/29/11 04:03	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/29/11 04:03	1
Vinyl acetate	2.0	U	2.0		ug/L			07/29/11 04:03	1
Vinyl chloride	1.0	U	1.0		ug/L			07/29/11 04:03	1
Xylenes, Total	2.0	U	2.0		ug/L			07/29/11 04:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*07/29/11 04:03*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/29/11 04:03*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/29/11 04:03*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Acenaphthylene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Acetophenone	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Acetylaminofluorene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
alpha,alpha-Dimethyl phenethylamine	9.6	U	9.6		ug/L		07/26/11 14:51	08/10/11 20:50	1
4-Aminobiphenyl	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
Aniline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
Anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Aramite, Total	1.4	U	1.4		ug/L		07/26/11 14:51	08/10/11 20:50	1
Benzo[a]anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Benzo[a]pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Benzo[b]fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Benzo[g,h,i]perylene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Benzo[k]fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Benzyl alcohol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Bis(2-chloroethoxy)methane	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Bis(2-chloroethyl)ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
bis (2-chloroisopropyl) ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
4-Bromophenyl phenyl ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Butyl benzyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
4-Chloroaniline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
4-Chloro-3-methylphenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Chloronaphthalene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Chlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
4-Chlorophenyl phenyl ether	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Chrysene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Diallate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Dibenz(a,h)anthracene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Dibenzofuran	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,4-Dichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,3-Dichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,2-Dichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1

Client Sample ID: MWD-30 (072211)

Date Collected: 07/22/11 14:28
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-7

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	19	U	19		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,4-Dichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,6-Dichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Diethyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Dimethoate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
7,12-Dimethylbenz(a)anthracene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
3,3'-Dimethylbenzidine	19	U	19		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,4-Dimethylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
Dimethyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Di-n-butyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,3-Dinitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,4-Dinitrophenol	9.6	U	9.6		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,4-Dinitrotoluene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,6-Dinitrotoluene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Di-n-octyl phthalate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Dinoseb	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,4-Dioxane	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
Disulfoton	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Ethyl methanesulfonate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
Ethyl Parathion	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
Famphur	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Fluoranthene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Fluorene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Hexachlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Hexachlorobutadiene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Hexachlorocyclopentadiene	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
Hexachloroethane	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Hexachlorophene	480	U *	480		ug/L		07/26/11 14:51	08/10/11 20:50	1
Hexachloropropene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Isophorone	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Isosafrole	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Methapyrilene	190	U	190		ug/L		07/26/11 14:51	08/10/11 20:50	1
3-Methylcholanthrene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Methyl methanesulfonate	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Methylnaphthalene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Methyl parathion	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Methylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
3 & 4 Methylphenol	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
Naphthalene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,4-Naphthoquinone	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1-Naphthylamine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Naphthylamine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
4-Nitroaniline	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Nitroaniline	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
3-Nitroaniline	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
Nitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
4-Nitrophenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Nitrophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-30 (072211)

Date Collected: 07/22/11 14:28
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-7

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitro-o-toluidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosodiethylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosodimethylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosodi-n-butylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosodi-n-propylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosodiphenylamine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosomethylethylamine	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosomorpholine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosopiperidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
N-Nitrosopyrrolidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
o,o',o''-Triethylphosphorothioate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
p-Dimethylamino azobenzene	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
Pentachlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Pentachloronitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Pentachlorophenol	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
Phenacetin	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Phenanthrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Phenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Phorate	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Picoline	1.9	U	1.9		ug/L		07/26/11 14:51	08/10/11 20:50	1
p-Phenylene diamine	190	U	190		ug/L		07/26/11 14:51	08/10/11 20:50	1
Pronamide	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Pyrene	0.19	U	0.19		ug/L		07/26/11 14:51	08/10/11 20:50	1
Pyridine	4.8	U	4.8		ug/L		07/26/11 14:51	08/10/11 20:50	1
Safrole, Total	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Sulfotepp	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,2,4,5-Tetrachlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,3,4,6-Tetrachlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
Thionazin	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2-Toluidine	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,2,4-Trichlorobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,4,6-Trichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
2,4,5-Trichlorophenol	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1
1,3,5-Trinitrobenzene	0.96	U	0.96		ug/L		07/26/11 14:51	08/10/11 20:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*64*		*27 - 130*	*07/26/11 14:51*	*08/10/11 20:50*	*1*
Nitrobenzene-d5 (Surr)	*73*		*32 - 130*	*07/26/11 14:51*	*08/10/11 20:50*	*1*
Terphenyl-d14 (Surr)	*93*		*36 - 130*	*07/26/11 14:51*	*08/10/11 20:50*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*30 - 130*	*07/26/11 14:51*	*08/10/11 20:50*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 130*	*07/26/11 14:51*	*08/10/11 20:50*	*1*
2-Fluorobiphenyl	*82*		*34 - 130*	*07/26/11 14:51*	*08/10/11 20:50*	*1*

Client Sample ID: MW-F15 (072211)

Lab Sample ID: 680-70683-8

Date Collected: 07/22/11 16:10

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/29/11 04:25	1
Acetonitrile	40	U	40		ug/L			07/29/11 04:25	1
Acrolein	20	U	20		ug/L			07/29/11 04:25	1
Acrylonitrile	20	U	20		ug/L			07/29/11 04:25	1
Allyl chloride	1.0	U	1.0		ug/L			07/29/11 04:25	1
Benzene	1.0	U	1.0		ug/L			07/29/11 04:25	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
Bromoform	1.0	U *	1.0		ug/L			07/29/11 04:25	1
Bromomethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
2-Butanone	10	U	10		ug/L			07/29/11 04:25	1
Carbon disulfide	2.0	U	2.0		ug/L			07/29/11 04:25	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/29/11 04:25	1
Chlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:25	1
Chloroethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
Chloroform	1.0	U	1.0		ug/L			07/29/11 04:25	1
Chloromethane	1.0	U *	1.0		ug/L			07/29/11 04:25	1
Chloroprene	1.0	U	1.0		ug/L			07/29/11 04:25	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 04:25	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
Dibromomethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:25	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,4-Dioxane	50	U	50		ug/L			07/29/11 04:25	1
Ethylbenzene	1.0	U	1.0		ug/L			07/29/11 04:25	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/29/11 04:25	1
2-Hexanone	10	U	10		ug/L			07/29/11 04:25	1
Iodomethane	5.0	U	5.0		ug/L			07/29/11 04:25	1
Isobutanol	40	U	40		ug/L			07/29/11 04:25	1
Methacrylonitrile	20	U	20		ug/L			07/29/11 04:25	1
Methylene Chloride	5.0	U	5.0		ug/L			07/29/11 04:25	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/29/11 04:25	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/29/11 04:25	1
Pentachloroethane	5.0	U	5.0		ug/L			07/29/11 04:25	1
Propionitrile	20	U	20		ug/L			07/29/11 04:25	1
Styrene	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/29/11 04:25	1
Toluene	1.0	U	1.0		ug/L			07/29/11 04:25	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/29/11 04:25	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 04:25	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 04:25	1

Client Sample ID: MW-F15 (072211)

Date Collected: 07/22/11 16:10
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
Trichloroethene	1.0	U	1.0		ug/L			07/29/11 04:25	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/29/11 04:25	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/29/11 04:25	1
Vinyl acetate	2.0	U	2.0		ug/L			07/29/11 04:25	1
Vinyl chloride	1.0	U	1.0		ug/L			07/29/11 04:25	1
Xylenes, Total	2.0	U	2.0		ug/L			07/29/11 04:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*07/29/11 04:25*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/29/11 04:25*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/29/11 04:25*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 21:16	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1

Client Sample ID: MW-F15 (072211)
Date Collected: 07/22/11 16:10
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-8
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Hexachlorophene	490	U *	490		ug/L		07/26/11 14:51	08/10/11 21:16	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 21:16	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
4-Nitrophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-F15 (072211)

Date Collected: 07/22/11 16:10
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-8

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:16	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 21:16	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:16	1
Pyridine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:16	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 21:16	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*51*		*27 - 130*	*07/26/11 14:51*	*08/10/11 21:16*	*1*
Nitrobenzene-d5 (Surr)	*55*		*32 - 130*	*07/26/11 14:51*	*08/10/11 21:16*	*1*
Terphenyl-d14 (Surr)	*80*		*36 - 130*	*07/26/11 14:51*	*08/10/11 21:16*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*30 - 130*	*07/26/11 14:51*	*08/10/11 21:16*	*1*
2-Fluorophenol (Surr)	*51*		*25 - 130*	*07/26/11 14:51*	*08/10/11 21:16*	*1*
2-Fluorobiphenyl	*62*		*34 - 130*	*07/26/11 14:51*	*08/10/11 21:16*	*1*

Client Sample ID: MWD-F1 (072211)

Lab Sample ID: 680-70683-9

Date Collected: 07/22/11 13:50

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/29/11 04:47	1
Acetonitrile	40	U	40		ug/L			07/29/11 04:47	1
Acrolein	20	U	20		ug/L			07/29/11 04:47	1
Acrylonitrile	20	U	20		ug/L			07/29/11 04:47	1
Allyl chloride	1.0	U	1.0		ug/L			07/29/11 04:47	1
Benzene	1.0	U	1.0		ug/L			07/29/11 04:47	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
Bromoform	1.0	U *	1.0		ug/L			07/29/11 04:47	1
Bromomethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
2-Butanone	10	U	10		ug/L			07/29/11 04:47	1
Carbon disulfide	2.0	U	2.0		ug/L			07/29/11 04:47	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/29/11 04:47	1
Chlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:47	1
Chloroethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
Chloroform	1.0	U	1.0		ug/L			07/29/11 04:47	1
Chloromethane	1.0	U *	1.0		ug/L			07/29/11 04:47	1
Chloroprene	1.0	U	1.0		ug/L			07/29/11 04:47	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 04:47	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
Dibromomethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:47	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,4-Dioxane	50	U	50		ug/L			07/29/11 04:47	1
Ethylbenzene	1.0	U	1.0		ug/L			07/29/11 04:47	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/29/11 04:47	1
2-Hexanone	10	U	10		ug/L			07/29/11 04:47	1
Iodomethane	5.0	U	5.0		ug/L			07/29/11 04:47	1
Isobutanol	40	U	40		ug/L			07/29/11 04:47	1
Methacrylonitrile	20	U	20		ug/L			07/29/11 04:47	1
Methylene Chloride	5.0	U	5.0		ug/L			07/29/11 04:47	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/29/11 04:47	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/29/11 04:47	1
Pentachloroethane	5.0	U	5.0		ug/L			07/29/11 04:47	1
Propionitrile	20	U	20		ug/L			07/29/11 04:47	1
Styrene	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/29/11 04:47	1
Toluene	1.0	U	1.0		ug/L			07/29/11 04:47	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/29/11 04:47	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 04:47	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 04:47	1

Client Sample ID: MWD-F1 (072211)

Lab Sample ID: 680-70683-9

Date Collected: 07/22/11 13:50
Date Received: 07/23/11 08:21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
Trichloroethene	1.0	U	1.0		ug/L			07/29/11 04:47	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/29/11 04:47	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/29/11 04:47	1
Vinyl acetate	2.0	U	2.0		ug/L			07/29/11 04:47	1
Vinyl chloride	1.0	U	1.0		ug/L			07/29/11 04:47	1
Xylenes, Total	2.0	U	2.0		ug/L			07/29/11 04:47	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*07/29/11 04:47*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/29/11 04:47*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/29/11 04:47*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Acetophenone	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Acetylaminofluorene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
alpha,alpha-Dimethyl phenethylamine	9.8	U	9.8		ug/L		07/26/11 14:51	08/10/11 21:42	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 21:42	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Benzyl alcohol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Bis(2-chloroethoxy)methane	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Bis(2-chloroethyl)ether	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
bis (2-chloroisopropyl) ether	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
4-Bromophenyl phenyl ether	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Butyl benzyl phthalate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
4-Chloro-3-methylphenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Chloronaphthalene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Chlorophenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
4-Chlorophenyl phenyl ether	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Diallate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Dibenzofuran	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,4-Dichlorobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,3-Dichlorobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,2-Dichlorobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1

Client Sample ID: MWD-F1 (072211)
Date Collected: 07/22/11 13:50
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-9
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,4-Dichlorophenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,6-Dichlorophenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Diethyl phthalate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
7,12-Dimethylbenz(a)anthracene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
Dimethyl phthalate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Di-n-butyl phthalate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,3-Dinitrobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,4-Dinitrophenol	9.8	U	9.8		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,4-Dinitrotoluene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,6-Dinitrotoluene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Di-n-octyl phthalate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
Disulfoton	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
Famphur	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Hexachlorobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Hexachlorobutadiene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
Hexachloroethane	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Hexachlorophene	490	U *	490		ug/L		07/26/11 14:51	08/10/11 21:42	1
Hexachloropropene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Isophorone	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Isosafrole	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 21:42	1
3-Methylcholanthrene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Methyl parathion	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,4-Naphthoquinone	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Nitroaniline	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
Nitrobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
4-Nitrophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Nitrophenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-F1 (072211)

Date Collected: 07/22/11 13:50
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-9

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitro-o-toluidine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosodiethylamine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosodimethylamine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosodi-n-butylamine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosodi-n-propylamine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosodiphenylamine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosomorpholine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosopiperidine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
N-Nitrosopyrrolidine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
o,o',o''-Triethylphosphorothioate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
Pentachlorobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Pentachloronitrobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
Phenacetin	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Phenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Phorate	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 21:42	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 21:42	1
Pronamide	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 21:42	1
Pyridine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 21:42	1
Safrole, Total	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Sulfotepp	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,2,4,5-Tetrachlorobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,3,4,6-Tetrachlorophenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
Thionazin	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2-Toluidine	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,2,4-Trichlorobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,4,6-Trichlorophenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
2,4,5-Trichlorophenol	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1
1,3,5-Trinitrobenzene	0.98	U	0.98		ug/L		07/26/11 14:51	08/10/11 21:42	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*57*		*27 - 130*	*07/26/11 14:51*	*08/10/11 21:42*	*1*
Nitrobenzene-d5 (Surr)	*64*		*32 - 130*	*07/26/11 14:51*	*08/10/11 21:42*	*1*
Terphenyl-d14 (Surr)	*78*		*36 - 130*	*07/26/11 14:51*	*08/10/11 21:42*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*30 - 130*	*07/26/11 14:51*	*08/10/11 21:42*	*1*
2-Fluorophenol (Surr)	*59*		*25 - 130*	*07/26/11 14:51*	*08/10/11 21:42*	*1*
2-Fluorobiphenyl	*67*		*34 - 130*	*07/26/11 14:51*	*08/10/11 21:42*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-F2 (072211)
Date Collected: 07/22/11 10:25
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/29/11 05:09	1
Acetonitrile	40	U	40		ug/L			07/29/11 05:09	1
Acrolein	20	U	20		ug/L			07/29/11 05:09	1
Acrylonitrile	20	U	20		ug/L			07/29/11 05:09	1
Allyl chloride	1.0	U	1.0		ug/L			07/29/11 05:09	1
Benzene	1.0	U	1.0		ug/L			07/29/11 05:09	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
Bromoform	1.0	U *	1.0		ug/L			07/29/11 05:09	1
Bromomethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
2-Butanone	10	U	10		ug/L			07/29/11 05:09	1
Carbon disulfide	2.0	U	2.0		ug/L			07/29/11 05:09	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/29/11 05:09	1
Chlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:09	1
Chloroethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
Chloroform	1.0	U	1.0		ug/L			07/29/11 05:09	1
Chloromethane	1.0	U *	1.0		ug/L			07/29/11 05:09	1
Chloroprene	1.0	U	1.0		ug/L			07/29/11 05:09	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 05:09	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
Dibromomethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:09	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,4-Dioxane	50	U	50		ug/L			07/29/11 05:09	1
Ethylbenzene	1.0	U	1.0		ug/L			07/29/11 05:09	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/29/11 05:09	1
2-Hexanone	10	U	10		ug/L			07/29/11 05:09	1
Iodomethane	5.0	U	5.0		ug/L			07/29/11 05:09	1
Isobutanol	40	U	40		ug/L			07/29/11 05:09	1
Methacrylonitrile	20	U	20		ug/L			07/29/11 05:09	1
Methylene Chloride	5.0	U	5.0		ug/L			07/29/11 05:09	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/29/11 05:09	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/29/11 05:09	1
Pentachloroethane	5.0	U	5.0		ug/L			07/29/11 05:09	1
Propionitrile	20	U	20		ug/L			07/29/11 05:09	1
Styrene	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/29/11 05:09	1
Toluene	1.0	U	1.0		ug/L			07/29/11 05:09	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/29/11 05:09	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 05:09	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 05:09	1

Client Sample ID: MWD-F2 (072211)

Lab Sample ID: 680-70683-10

Date Collected: 07/22/11 10:25
Date Received: 07/23/11 08:21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
Trichloroethene	1.0	U	1.0		ug/L			07/29/11 05:09	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/29/11 05:09	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/29/11 05:09	1
Vinyl acetate	2.0	U	2.0		ug/L			07/29/11 05:09	1
Vinyl chloride	1.0	U	1.0		ug/L			07/29/11 05:09	1
Xylenes, Total	2.0	U	2.0		ug/L			07/29/11 05:09	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*07/29/11 05:09*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*07/29/11 05:09*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/11 05:09*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 22:08	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1

Client Sample ID: MWD-F2 (072211)

Date Collected: 07/22/11 10:25
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-10

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Hexachlorophene	490	U *	490		ug/L		07/26/11 14:51	08/10/11 22:08	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 22:08	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
4-Nitrophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1

Client Sample ID: MWD-F2 (072211)

Date Collected: 07/22/11 10:25
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-10

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:08	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 22:08	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:08	1
Pyridine	4.9	U	4.9		ug/L		07/26/11 14:51	08/10/11 22:08	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 22:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*57*		*27 - 130*	*07/26/11 14:51*	*08/10/11 22:08*	*1*
Nitrobenzene-d5 (Surr)	*64*		*32 - 130*	*07/26/11 14:51*	*08/10/11 22:08*	*1*
Terphenyl-d14 (Surr)	*70*		*36 - 130*	*07/26/11 14:51*	*08/10/11 22:08*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*30 - 130*	*07/26/11 14:51*	*08/10/11 22:08*	*1*
2-Fluorophenol (Surr)	*59*		*25 - 130*	*07/26/11 14:51*	*08/10/11 22:08*	*1*
2-Fluorobiphenyl	*70*		*34 - 130*	*07/26/11 14:51*	*08/10/11 22:08*	*1*

Client Sample ID: MWD-F3 (072211)

Lab Sample ID: 680-70683-11

Date Collected: 07/22/11 17:25

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/29/11 05:32	1
Acetonitrile	40	U	40		ug/L			07/29/11 05:32	1
Acrolein	20	U	20		ug/L			07/29/11 05:32	1
Acrylonitrile	20	U	20		ug/L			07/29/11 05:32	1
Allyl chloride	1.0	U	1.0		ug/L			07/29/11 05:32	1
Benzene	1.0	U	1.0		ug/L			07/29/11 05:32	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
Bromoform	1.0	U *	1.0		ug/L			07/29/11 05:32	1
Bromomethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
2-Butanone	10	U	10		ug/L			07/29/11 05:32	1
Carbon disulfide	2.0	U	2.0		ug/L			07/29/11 05:32	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/29/11 05:32	1
Chlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:32	1
Chloroethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
Chloroform	1.0	U	1.0		ug/L			07/29/11 05:32	1
Chloromethane	1.0	U *	1.0		ug/L			07/29/11 05:32	1
Chloroprene	1.0	U	1.0		ug/L			07/29/11 05:32	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 05:32	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
Dibromomethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:32	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,4-Dioxane	50	U	50		ug/L			07/29/11 05:32	1
Ethylbenzene	1.0	U	1.0		ug/L			07/29/11 05:32	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/29/11 05:32	1
2-Hexanone	10	U	10		ug/L			07/29/11 05:32	1
Iodomethane	5.0	U	5.0		ug/L			07/29/11 05:32	1
Isobutanol	40	U	40		ug/L			07/29/11 05:32	1
Methacrylonitrile	20	U	20		ug/L			07/29/11 05:32	1
Methylene Chloride	5.0	U	5.0		ug/L			07/29/11 05:32	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/29/11 05:32	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/29/11 05:32	1
Pentachloroethane	5.0	U	5.0		ug/L			07/29/11 05:32	1
Propionitrile	20	U	20		ug/L			07/29/11 05:32	1
Styrene	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/29/11 05:32	1
Toluene	1.0	U	1.0		ug/L			07/29/11 05:32	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/29/11 05:32	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 05:32	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 05:32	1

Client Sample ID: MWD-F3 (072211)

Lab Sample ID: 680-70683-11

Date Collected: 07/22/11 17:25
Date Received: 07/23/11 08:21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
Trichloroethene	1.0	U	1.0		ug/L			07/29/11 05:32	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/29/11 05:32	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/29/11 05:32	1
Vinyl acetate	2.0	U	2.0		ug/L			07/29/11 05:32	1
Vinyl chloride	1.0	U	1.0		ug/L			07/29/11 05:32	1
Xylenes, Total	2.0	U	2.0		ug/L			07/29/11 05:32	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*07/29/11 05:32*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*07/29/11 05:32*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/29/11 05:32*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Acetophenone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/26/11 14:51	08/10/11 22:34	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 22:34	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Diallate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Dibenzofuran	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1

Client Sample ID: MWD-F3 (072211)

Date Collected: 07/22/11 17:25
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-11

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,4-Dinitrophenol	10	U	10		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,4-Dioxane	**2.5**		2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Disulfoton	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Famphur	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Hexachloroethane	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Hexachlorophene	500	U *	500		ug/L		07/26/11 14:51	08/10/11 22:34	1
Hexachloropropene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Isophorone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Isosafrole	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 22:34	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Methyl parathion	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Nitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-F3 (072211)

Date Collected: 07/22/11 17:25
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-11

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Phenacetin	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Phenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Phorate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 22:34	1
Pronamide	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 22:34	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Safrole, Total	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Sulfotepp	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
Thionazin	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2-Toluidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 22:34	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*64*		*27 - 130*	*07/26/11 14:51*	*08/10/11 22:34*	*1*
Nitrobenzene-d5 (Surr)	*68*		*32 - 130*	*07/26/11 14:51*	*08/10/11 22:34*	*1*
Terphenyl-d14 (Surr)	*75*		*36 - 130*	*07/26/11 14:51*	*08/10/11 22:34*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*30 - 130*	*07/26/11 14:51*	*08/10/11 22:34*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 130*	*07/26/11 14:51*	*08/10/11 22:34*	*1*
2-Fluorobiphenyl	*71*		*34 - 130*	*07/26/11 14:51*	*08/10/11 22:34*	*1*

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-32 (072111)
Date Collected: 07/21/11 15:30
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 12:42	1
Acetonitrile	40	U	40		ug/L			07/28/11 12:42	1
Acrolein	20	U	20		ug/L			07/28/11 12:42	1
Acrylonitrile	20	U	20		ug/L			07/28/11 12:42	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 12:42	1
Benzene	1.0	U	1.0		ug/L			07/28/11 12:42	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 12:42	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
2-Butanone	10	U	10		ug/L			07/28/11 12:42	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 12:42	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 12:42	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 12:42	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 12:42	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 12:42	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 12:42	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 12:42	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 12:42	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 12:42	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 12:42	1
2-Hexanone	10	U	10		ug/L			07/28/11 12:42	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 12:42	1
Isobutanol	40	U	40		ug/L			07/28/11 12:42	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 12:42	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 12:42	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 12:42	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 12:42	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 12:42	1
Propionitrile	20	U	20		ug/L			07/28/11 12:42	1
Styrene	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 12:42	1
Toluene	1.0	U	1.0		ug/L			07/28/11 12:42	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 12:42	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 12:42	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 12:42	1

Client Sample ID: MW-32 (072111)

Date Collected: 07/21/11 15:30
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 12:42	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 12:42	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 12:42	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 12:42	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 12:42	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 12:42	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*07/28/11 12:42*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*07/28/11 12:42*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/28/11 12:42*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 23:00	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 23:00	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1

Client Sample ID: MW-32 (072111)
Date Collected: 07/21/11 15:30
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-12
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Hexachlorophene	500	U *	500		ug/L		07/26/11 14:51	08/10/11 23:00	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 23:00	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-32 (072111)

Date Collected: 07/21/11 15:30
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-12

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 23:00	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:00	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:00	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:00	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*59*		*27 - 130*	*07/26/11 14:51*	*08/10/11 23:00*	*1*
Nitrobenzene-d5 (Surr)	*67*		*32 - 130*	*07/26/11 14:51*	*08/10/11 23:00*	*1*
Terphenyl-d14 (Surr)	*86*		*36 - 130*	*07/26/11 14:51*	*08/10/11 23:00*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*30 - 130*	*07/26/11 14:51*	*08/10/11 23:00*	*1*
2-Fluorophenol (Surr)	*63*		*25 - 130*	*07/26/11 14:51*	*08/10/11 23:00*	*1*
2-Fluorobiphenyl	*71*		*34 - 130*	*07/26/11 14:51*	*08/10/11 23:00*	*1*

Client Sample ID: MW-28 (072111)

Lab Sample ID: 680-70683-13

Date Collected: 07/21/11 17:05

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 13:11	1
Acetonitrile	40	U	40		ug/L			07/28/11 13:11	1
Acrolein	20	U	20		ug/L			07/28/11 13:11	1
Acrylonitrile	20	U	20		ug/L			07/28/11 13:11	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 13:11	1
Benzene	1.0	U	1.0		ug/L			07/28/11 13:11	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 13:11	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
2-Butanone	10	U	10		ug/L			07/28/11 13:11	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 13:11	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 13:11	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:11	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 13:11	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 13:11	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 13:11	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:11	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 13:11	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 13:11	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 13:11	1
2-Hexanone	10	U	10		ug/L			07/28/11 13:11	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 13:11	1
Isobutanol	40	U	40		ug/L			07/28/11 13:11	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 13:11	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 13:11	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 13:11	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 13:11	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 13:11	1
Propionitrile	20	U	20		ug/L			07/28/11 13:11	1
Styrene	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 13:11	1
Toluene	1.0	U	1.0		ug/L			07/28/11 13:11	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 13:11	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 13:11	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 13:11	1

Client Sample ID: MW-28 (072111)

Lab Sample ID: 680-70683-13

Date Collected: 07/21/11 17:05

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 13:11	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 13:11	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 13:11	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 13:11	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 13:11	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 13:11	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*07/28/11 13:11*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/28/11 13:11*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/28/11 13:11*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 23:25	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 23:25	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1

Client Sample ID: MW-28 (072111)

Date Collected: 07/21/11 17:05
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-13
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Hexachlorophene	500	U *	500		ug/L		07/26/11 14:51	08/10/11 23:25	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 23:25	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1

Client Sample ID: MW-28 (072111)

Date Collected: 07/21/11 17:05
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-13

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 23:25	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 23:25	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 23:25	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/10/11 23:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*49*		*27 - 130*	*07/26/11 14:51*	*08/10/11 23:25*	*1*
Nitrobenzene-d5 (Surr)	*54*		*32 - 130*	*07/26/11 14:51*	*08/10/11 23:25*	*1*
Terphenyl-d14 (Surr)	*76*		*36 - 130*	*07/26/11 14:51*	*08/10/11 23:25*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*30 - 130*	*07/26/11 14:51*	*08/10/11 23:25*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 130*	*07/26/11 14:51*	*08/10/11 23:25*	*1*
2-Fluorobiphenyl	*60*		*34 - 130*	*07/26/11 14:51*	*08/10/11 23:25*	*1*

Client Sample ID: TB01 (072211)

Date Collected: 07/22/11 17:00
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 10:45	1
Acetonitrile	40	U	40		ug/L			07/28/11 10:45	1
Acrolein	20	U	20		ug/L			07/28/11 10:45	1
Acrylonitrile	20	U	20		ug/L			07/28/11 10:45	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 10:45	1
Benzene	1.0	U	1.0		ug/L			07/28/11 10:45	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
Bromoform	1.0	U *	1.0		ug/L			07/28/11 10:45	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
2-Butanone	10	U	10		ug/L			07/28/11 10:45	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 10:45	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/28/11 10:45	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 10:45	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 10:45	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
Chloroprene	1.0	U	1.0		ug/L			07/28/11 10:45	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 10:45	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 10:45	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 10:45	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 10:45	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 10:45	1
2-Hexanone	10	U	10		ug/L			07/28/11 10:45	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 10:45	1
Isobutanol	40	U	40		ug/L			07/28/11 10:45	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 10:45	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 10:45	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 10:45	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 10:45	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 10:45	1
Propionitrile	20	U	20		ug/L			07/28/11 10:45	1
Styrene	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 10:45	1
Toluene	1.0	U	1.0		ug/L			07/28/11 10:45	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 10:45	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 10:45	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 10:45	1

Client Sample ID: TB01 (072211)

Lab Sample ID: 680-70683-14

Date Collected: 07/22/11 17:00

Matrix: Water

Date Received: 07/23/11 08:21

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 10:45	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 10:45	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 10:45	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 10:45	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 10:45	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 10:45	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/28/11 10:45*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*07/28/11 10:45*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/28/11 10:45*	*1*

Client Sample ID: MW-F17 (072211)
Date Collected: 07/22/11 17:50
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/29/11 05:54	1
Acetonitrile	40	U	40		ug/L			07/29/11 05:54	1
Acrolein	20	U	20		ug/L			07/29/11 05:54	1
Acrylonitrile	20	U	20		ug/L			07/29/11 05:54	1
Allyl chloride	1.0	U	1.0		ug/L			07/29/11 05:54	1
Benzene	1.0	U	1.0		ug/L			07/29/11 05:54	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
Bromoform	1.0	U *	1.0		ug/L			07/29/11 05:54	1
Bromomethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
2-Butanone	10	U	10		ug/L			07/29/11 05:54	1
Carbon disulfide	2.0	U	2.0		ug/L			07/29/11 05:54	1
Carbon tetrachloride	1.0	U *	1.0		ug/L			07/29/11 05:54	1
Chlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:54	1
Chloroethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
Chloroform	1.0	U	1.0		ug/L			07/29/11 05:54	1
Chloromethane	1.0	U *	1.0		ug/L			07/29/11 05:54	1
Chloroprene	1.0	U	1.0		ug/L			07/29/11 05:54	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 05:54	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
Dibromomethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:54	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,4-Dioxane	50	U	50		ug/L			07/29/11 05:54	1
Ethylbenzene	1.0	U	1.0		ug/L			07/29/11 05:54	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/29/11 05:54	1
2-Hexanone	10	U	10		ug/L			07/29/11 05:54	1
Iodomethane	5.0	U	5.0		ug/L			07/29/11 05:54	1
Isobutanol	40	U	40		ug/L			07/29/11 05:54	1
Methacrylonitrile	20	U	20		ug/L			07/29/11 05:54	1
Methylene Chloride	5.0	U	5.0		ug/L			07/29/11 05:54	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/29/11 05:54	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/29/11 05:54	1
Pentachloroethane	5.0	U	5.0		ug/L			07/29/11 05:54	1
Propionitrile	20	U	20		ug/L			07/29/11 05:54	1
Styrene	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/29/11 05:54	1
Toluene	1.0	U	1.0		ug/L			07/29/11 05:54	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/29/11 05:54	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/29/11 05:54	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/29/11 05:54	1

Client Sample ID: MW-F17 (072211)

Lab Sample ID: 680-70683-15

Date Collected: 07/22/11 17:50
Date Received: 07/23/11 08:21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
Trichloroethene	1.0	U	1.0		ug/L			07/29/11 05:54	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/29/11 05:54	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/29/11 05:54	1
Vinyl acetate	2.0	U	2.0		ug/L			07/29/11 05:54	1
Vinyl chloride	1.0	U	1.0		ug/L			07/29/11 05:54	1
Xylenes, Total	2.0	U	2.0		ug/L			07/29/11 05:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*07/29/11 05:54*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/29/11 05:54*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/29/11 05:54*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Acetophenone	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Acetylaminofluorene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
4-Aminobiphenyl	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/11/11 17:01	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Benzyl alcohol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Bis(2-chloroethoxy)methane	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Bis(2-chloroethyl)ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
bis (2-chloroisopropyl) ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
4-Bromophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Butyl benzyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
4-Chloro-3-methylphenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Chloronaphthalene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Chlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
4-Chlorophenyl phenyl ether	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Diallate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Dibenzofuran	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,4-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,3-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,2-Dichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1

Client Sample ID: MW-F17 (072211)
Date Collected: 07/22/11 17:50
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-15
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,4-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,6-Dichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Diethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
7,12-Dimethylbenz(a)anthracene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
Dimethyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Di-n-butyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,3-Dinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
4,6-Dinitro-2-methylphenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,4-Dinitrophenol	9.9	U	9.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,4-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,6-Dinitrotoluene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Di-n-octyl phthalate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
Disulfoton	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
Famphur	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Hexachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Hexachlorobutadiene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
Hexachloroethane	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Hexachlorophene	490	U	490		ug/L		07/26/11 14:51	08/11/11 17:01	1
Hexachloropropene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Isophorone	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Isosafrole	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/11/11 17:01	1
3-Methylcholanthrene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Methyl parathion	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,4-Naphthoquinone	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Naphthylamine	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
4-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Nitroaniline	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
3-Nitroaniline	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
Nitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
4-Nitrophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Nitrophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1

Client Sample ID: MW-F17 (072211)

Date Collected: 07/22/11 17:50
Date Received: 07/23/11 08:21

Lab Sample ID: 680-70683-15

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitro-o-toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosodiethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosodimethylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosodi-n-butylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosodi-n-propylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosodiphenylamine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosomorpholine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosopiperidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
N-Nitrosopyrrolidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
o,o',o''-Triethylphosphorothioate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
p-Dimethylamino azobenzene	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
Pentachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Pentachloronitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Pentachlorophenol	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
Phenacetin	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Phenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Phorate	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/11/11 17:01	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/11/11 17:01	1
Pronamide	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/11/11 17:01	1
Pyridine	4.9	U	4.9		ug/L		07/26/11 14:51	08/11/11 17:01	1
Safrole, Total	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Sulfotepp	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,2,4,5-Tetrachlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,3,4,6-Tetrachlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
Thionazin	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2-Toluidine	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,2,4-Trichlorobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,4,6-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
2,4,5-Trichlorophenol	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1
1,3,5-Trinitrobenzene	0.99	U	0.99		ug/L		07/26/11 14:51	08/11/11 17:01	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*54*		*27 - 130*	*07/26/11 14:51*	*08/11/11 17:01*	*1*
Nitrobenzene-d5 (Surr)	*68*		*32 - 130*	*07/26/11 14:51*	*08/11/11 17:01*	*1*
Terphenyl-d14 (Surr)	*94*		*36 - 130*	*07/26/11 14:51*	*08/11/11 17:01*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*30 - 130*	*07/26/11 14:51*	*08/11/11 17:01*	*1*
2-Fluorophenol (Surr)	*59*		*25 - 130*	*07/26/11 14:51*	*08/11/11 17:01*	*1*
2-Fluorobiphenyl	*66*		*34 - 130*	*07/26/11 14:51*	*08/11/11 17:01*	*1*

Surrogate Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
680-70683-1	MW-26 (072111)	104	103	102
680-70683-2	MWD-28 (072211)	103	104	101
680-70683-3	MW-27 (072211)	106	103	102
680-70683-4	MWD-27 (072211)	105	102	104
680-70683-5	MW-F7 (072211)	105	105	104
680-70683-6	DUP-01 (072211)	106	100	101
680-70683-7	MWD-30 (072211)	106	98	101
680-70683-8	MW-F15 (072211)	105	98	102
680-70683-8 MS	MW-F15 (072211)	100	108	104
680-70683-8 MSD	MW-F15 (072211)	106	117	109
680-70683-9	MWD-F1 (072211)	104	100	101
680-70683-10	MWD-F2 (072211)	106	99	100
680-70683-11	MWD-F3 (072211)	106	98	101
680-70683-12	MW-32 (072111)	103	102	102
680-70683-13	MW-28 (072111)	102	100	101
680-70683-14	TB01 (072211)	101	102	102
680-70683-15	MW-F17 (072211)	104	100	102
LCS 680-210094/4	Lab Control Sample	104	101	105
LCS 680-210445/7	Lab Control Sample	93	96	94
LCS 680-210497/4	Lab Control Sample	100	100	98
LCSD 680-210094/5	Lab Control Sample Dup	104	104	101
LCSD 680-210445/8	Lab Control Sample Dup	112	116	111
LCSD 680-210497/5	Lab Control Sample Dup	98	101	98
MB 680-210094/7	Method Blank	102	100	103
MB 680-210445/10	Method Blank	103	103	100

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	NBZ	TPH	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(27-130)	(32-130)	(36-130)	(30-130)	(25-130)	(34-130)
680-70683-1	MW-26 (072111)	48	46	76	77	44	52
680-70683-2	MWD-28 (072211)	49	51	76	61	49	51
680-70683-3	MW-27 (072211)	41	46	74	56	43	48
680-70683-4	MWD-27 (072211)	49	54	82	65	49	56
680-70683-5	MW-F7 (072211)	58	62	92	78	59	68
680-70683-6	DUP-01 (072211)	58	60	89	77	60	68
680-70683-7	MWD-30 (072211)	64	73	93	78	66	82
680-70683-8	MW-F15 (072211)	51	55	80	73	51	62
680-70683-8 MS	MW-F15 (072211)	50	60	82	79	51	64
680-70683-8 MS	MW-F15 (072211)	53	60	76	77	53	61
680-70683-8 MSD	MW-F15 (072211)	50	56	78	75	51	61
680-70683-8 MSD	MW-F15 (072211)	50	50	70	72	46	55
680-70683-9	MWD-F1 (072211)	57	64	78	82	59	67
680-70683-10	MWD-F2 (072211)	57	64	70	71	59	70

Surrogate Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	NBZ	TPH	TBP	2FP	FBP
Lab Sample ID	Client Sample ID	(27-130)	(32-130)	(36-130)	(30-130)	(25-130)	(34-130)
680-70683-11	MWD-F3 (072211)	64	68	75	77	66	71
680-70683-12	MW-32 (072111)	59	67	86	72	63	71
680-70683-13	MW-28 (072111)	49	54	76	65	49	60
680-70683-15	MW-F17 (072211)	54	68	94	86	59	66
LCS 680-210074/16-A	Lab Control Sample	66	68	81	84	65	76
LCS 680-210074/19-A	Lab Control Sample	65	69	83	86	66	77
MB 680-210074/15-A	Method Blank	65	68	91	71	64	74

Surrogate Legend

PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210094/7
Matrix: Water
Analysis Batch: 210094

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/26/11 13:00	1
Acetonitrile	40	U	40		ug/L			07/26/11 13:00	1
Acrolein	20	U	20		ug/L			07/26/11 13:00	1
Acrylonitrile	20	U	20		ug/L			07/26/11 13:00	1
Allyl chloride	1.0	U	1.0		ug/L			07/26/11 13:00	1
Benzene	1.0	U	1.0		ug/L			07/26/11 13:00	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
Bromoform	1.0	U	1.0		ug/L			07/26/11 13:00	1
Bromomethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
2-Butanone	10	U	10		ug/L			07/26/11 13:00	1
Carbon disulfide	2.0	U	2.0		ug/L			07/26/11 13:00	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/26/11 13:00	1
Chlorobenzene	1.0	U	1.0		ug/L			07/26/11 13:00	1
Chloroethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
Chloroform	1.0	U	1.0		ug/L			07/26/11 13:00	1
Chloromethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
Chloroprene	1.0	U	1.0		ug/L			07/26/11 13:00	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 13:00	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
Dibromomethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/26/11 13:00	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,4-Dioxane	50	U	50		ug/L			07/26/11 13:00	1
Ethylbenzene	1.0	U	1.0		ug/L			07/26/11 13:00	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/26/11 13:00	1
2-Hexanone	10	U	10		ug/L			07/26/11 13:00	1
Iodomethane	5.0	U	5.0		ug/L			07/26/11 13:00	1
Isobutanol	40	U	40		ug/L			07/26/11 13:00	1
Methacrylonitrile	20	U	20		ug/L			07/26/11 13:00	1
Methylene Chloride	5.0	U	5.0		ug/L			07/26/11 13:00	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/26/11 13:00	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/26/11 13:00	1
Pentachloroethane	5.0	U	5.0		ug/L			07/26/11 13:00	1
Propionitrile	20	U	20		ug/L			07/26/11 13:00	1
Styrene	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/26/11 13:00	1
Toluene	1.0	U	1.0		ug/L			07/26/11 13:00	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/26/11 13:00	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/26/11 13:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210094/7
Matrix: Water
Analysis Batch: 210094

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
Trichloroethene	1.0	U	1.0		ug/L			07/26/11 13:00	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/26/11 13:00	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/26/11 13:00	1
Vinyl acetate	2.0	U	2.0		ug/L			07/26/11 13:00	1
Vinyl chloride	1.0	U	1.0		ug/L			07/26/11 13:00	1
Xylenes, Total	2.0	U	2.0		ug/L			07/26/11 13:00	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*07/26/11 13:00*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/26/11 13:00*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*07/26/11 13:00*	*1*

Lab Sample ID: LCS 680-210094/4
Matrix: Water
Analysis Batch: 210094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	118		ug/L		118	26 - 180
Benzene	50.0	50.2		ug/L		100	70 - 130
Bromodichloromethane	50.0	43.9		ug/L		88	70 - 130
Bromoform	50.0	39.5		ug/L		79	70 - 130
Bromomethane	50.0	30.7		ug/L		61	23 - 165
2-Butanone	100	107		ug/L		107	49 - 172
Carbon disulfide	50.0	51.9		ug/L		104	54 - 132
Carbon tetrachloride	50.0	40.6		ug/L		81	70 - 130
Chlorobenzene	50.0	53.4		ug/L		107	70 - 130
Chloroethane	50.0	49.4		ug/L		99	56 - 152
Chloroform	50.0	46.4		ug/L		93	70 - 130
Chloromethane	50.0	59.5		ug/L		119	70 - 130
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	70 - 130
Dibromochloromethane	50.0	42.8		ug/L		86	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/L		102	70 - 130
1,2-Dibromoethane	50.0	54.8		ug/L		110	70 - 130
Dibromomethane	50.0	51.5		ug/L		103	70 - 130
1,2-Dichlorobenzene	50.0	55.1		ug/L		110	70 - 130
1,3-Dichlorobenzene	50.0	54.4		ug/L		109	70 - 130
1,4-Dichlorobenzene	50.0	54.6		ug/L		109	70 - 130
Dichlorodifluoromethane	50.0	51.5		ug/L		103	44 - 146
1,1-Dichloroethane	50.0	47.4		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	48.5		ug/L		97	70 - 130
1,1-Dichloroethene	50.0	46.6		ug/L		93	66 - 131
1,2-Dichloropropane	50.0	50.8		ug/L		102	70 - 130
Ethylbenzene	50.0	51.0		ug/L		102	70 - 130
2-Hexanone	100	105		ug/L		105	42 - 185
Methylene Chloride	50.0	50.6		ug/L		101	67 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210094/4
Matrix: Water
Analysis Batch: 210094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
4-Methyl-2-pentanone	100	106		ug/L		106	70 - 130
Styrene	50.0	54.0		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.7		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/L		107	70 - 130
Tetrachloroethene	50.0	52.9		ug/L		106	70 - 130
Toluene	50.0	50.1		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	49.7		ug/L		99	70 - 130
1,2,4-Trichlorobenzene	50.0	53.9		ug/L		108	65 - 130
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	51.3		ug/L		103	70 - 130
Trichloroethene	50.0	52.3		ug/L		105	70 - 130
Trichlorofluoromethane	50.0	51.0		ug/L		102	55 - 156
1,2,3-Trichloropropane	50.0	53.6		ug/L		107	70 - 130
Vinyl chloride	50.0	51.1		ug/L		102	67 - 134
Xylenes, Total	150	153		ug/L		102	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 680-210094/5
Matrix: Water
Analysis Batch: 210094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	114		ug/L		114	26 - 180	3	50
Benzene	50.0	48.1		ug/L		96	70 - 130	4	30
Bromodichloromethane	50.0	42.9		ug/L		86	70 - 130	2	30
Bromoform	50.0	40.4		ug/L		81	70 - 130	2	30
Bromomethane	50.0	30.6		ug/L		61	23 - 165	0	50
2-Butanone	100	110		ug/L		110	49 - 172	3	30
Carbon disulfide	50.0	53.5		ug/L		107	54 - 132	3	30
Carbon tetrachloride	50.0	40.5		ug/L		81	70 - 130	0	30
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130	2	30
Chloroethane	50.0	49.0		ug/L		98	56 - 152	1	40
Chloroform	50.0	46.9		ug/L		94	70 - 130	1	30
Chloromethane	50.0	61.1		ug/L		122	70 - 130	3	30
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	70 - 130	6	30
Dibromochloromethane	50.0	42.8		ug/L		86	70 - 130	0	50
1,2-Dibromo-3-Chloropropane	50.0	52.9		ug/L		106	70 - 130	4	50
1,2-Dibromoethane	50.0	52.0		ug/L		104	70 - 130	5	30
Dibromomethane	50.0	48.7		ug/L		97	70 - 130	5	30
1,2-Dichlorobenzene	50.0	55.1		ug/L		110	70 - 130	0	30
1,3-Dichlorobenzene	50.0	54.7		ug/L		109	70 - 130	0	30
1,4-Dichlorobenzene	50.0	54.5		ug/L		109	70 - 130	0	30
Dichlorodifluoromethane	50.0	52.6		ug/L		105	44 - 146	2	50
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210094/5
Matrix: Water
Analysis Batch: 210094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	50.0	45.7		ug/L		91	70 - 130	6	30
1,1-Dichloroethene	50.0	47.9		ug/L		96	66 - 131	3	30
1,2-Dichloropropane	50.0	48.9		ug/L		98	70 - 130	4	30
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130	1	30
2-Hexanone	100	103		ug/L		103	42 - 185	2	30
Methylene Chloride	50.0	51.4		ug/L		103	67 - 130	2	30
4-Methyl-2-pentanone	100	99.6		ug/L		100	70 - 130	6	30
Styrene	50.0	52.8		ug/L		106	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/L		97	70 - 130	0	30
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 130	3	30
Tetrachloroethene	50.0	51.7		ug/L		103	70 - 130	2	30
Toluene	50.0	48.2		ug/L		96	70 - 130	4	30
trans-1,2-Dichloroethene	50.0	45.7		ug/L		91	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	46.5		ug/L		93	70 - 130	7	50
1,2,4-Trichlorobenzene	50.0	55.6		ug/L		111	65 - 130	3	30
1,1,1-Trichloroethane	50.0	46.4		ug/L		93	70 - 130	3	30
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	70 - 130	4	30
Trichloroethene	50.0	50.9		ug/L		102	70 - 130	3	30
Trichlorofluoromethane	50.0	52.6		ug/L		105	55 - 156	3	30
1,2,3-Trichloropropane	50.0	52.0		ug/L		104	70 - 130	3	30
Vinyl chloride	50.0	53.3		ug/L		107	67 - 134	4	30
Xylenes, Total	150	152		ug/L		102	70 - 130	0	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 680-210445/10
Matrix: Water
Analysis Batch: 210445

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25		ug/L			07/28/11 23:58	1
Acetonitrile	40	U	40		ug/L			07/28/11 23:58	1
Acrolein	20	U	20		ug/L			07/28/11 23:58	1
Acrylonitrile	20	U	20		ug/L			07/28/11 23:58	1
Allyl chloride	1.0	U	1.0		ug/L			07/28/11 23:58	1
Benzene	1.0	U	1.0		ug/L			07/28/11 23:58	1
Bromodichloromethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
Bromoform	1.0	U	1.0		ug/L			07/28/11 23:58	1
Bromomethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
2-Butanone	10	U	10		ug/L			07/28/11 23:58	1
Carbon disulfide	2.0	U	2.0		ug/L			07/28/11 23:58	1
Carbon tetrachloride	1.0	U	1.0		ug/L			07/28/11 23:58	1
Chlorobenzene	1.0	U	1.0		ug/L			07/28/11 23:58	1
Chloroethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
Chloroform	1.0	U	1.0		ug/L			07/28/11 23:58	1
Chloromethane	1.0	U	1.0		ug/L			07/28/11 23:58	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210445/10
Matrix: Water
Analysis Batch: 210445

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroprene	1.0	U	1.0		ug/L			07/28/11 23:58	1
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 23:58	1
Dibromochloromethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,2-Dibromoethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
Dibromomethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L			07/28/11 23:58	1
Dichlorodifluoromethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,1-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,2-Dichloroethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,1-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,2-Dichloropropane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,4-Dioxane	50	U	50		ug/L			07/28/11 23:58	1
Ethylbenzene	1.0	U	1.0		ug/L			07/28/11 23:58	1
Ethyl methacrylate	1.0	U	1.0		ug/L			07/28/11 23:58	1
2-Hexanone	10	U	10		ug/L			07/28/11 23:58	1
Iodomethane	5.0	U	5.0		ug/L			07/28/11 23:58	1
Isobutanol	40	U	40		ug/L			07/28/11 23:58	1
Methacrylonitrile	20	U	20		ug/L			07/28/11 23:58	1
Methylene Chloride	5.0	U	5.0		ug/L			07/28/11 23:58	1
Methyl methacrylate	1.0	U	1.0		ug/L			07/28/11 23:58	1
4-Methyl-2-pentanone	10	U	10		ug/L			07/28/11 23:58	1
Pentachloroethane	5.0	U	5.0		ug/L			07/28/11 23:58	1
Propionitrile	20	U	20		ug/L			07/28/11 23:58	1
Styrene	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
Tetrachloroethene	1.0	U	1.0		ug/L			07/28/11 23:58	1
Toluene	1.0	U	1.0		ug/L			07/28/11 23:58	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0		ug/L			07/28/11 23:58	1
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			07/28/11 23:58	1
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,1,1-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,1,2-Trichloroethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
Trichloroethene	1.0	U	1.0		ug/L			07/28/11 23:58	1
Trichlorofluoromethane	1.0	U	1.0		ug/L			07/28/11 23:58	1
1,2,3-Trichloropropane	1.0	U	1.0		ug/L			07/28/11 23:58	1
Vinyl acetate	2.0	U	2.0		ug/L			07/28/11 23:58	1
Vinyl chloride	1.0	U	1.0		ug/L			07/28/11 23:58	1
Xylenes, Total	2.0	U	2.0		ug/L			07/28/11 23:58	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*07/28/11 23:58*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/28/11 23:58*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/28/11 23:58*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210445/7
Matrix: Water
Analysis Batch: 210445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	107		ug/L		107	26 - 180
Benzene	50.0	45.1		ug/L		90	70 - 130
Bromodichloromethane	50.0	39.9		ug/L		80	70 - 130
Bromoform	50.0	31.1	*	ug/L		62	70 - 130
Bromomethane	50.0	38.5		ug/L		77	23 - 165
2-Butanone	100	101		ug/L		101	49 - 172
Carbon disulfide	50.0	45.6		ug/L		91	54 - 132
Carbon tetrachloride	50.0	33.9	*	ug/L		68	70 - 130
Chlorobenzene	50.0	47.2		ug/L		94	70 - 130
Chloroethane	50.0	47.3		ug/L		95	56 - 152
Chloroform	50.0	46.9		ug/L		94	70 - 130
Chloromethane	50.0	55.1		ug/L		110	70 - 130
cis-1,3-Dichloropropene	50.0	40.9		ug/L		82	70 - 130
Dibromochloromethane	50.0	35.3		ug/L		71	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	40.0		ug/L		80	70 - 130
1,2-Dibromoethane	50.0	46.7		ug/L		93	70 - 130
Dibromomethane	50.0	46.3		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	49.4		ug/L		99	70 - 130
1,3-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130
Dichlorodifluoromethane	50.0	44.6		ug/L		89	44 - 146
1,1-Dichloroethane	50.0	45.0		ug/L		90	70 - 130
1,2-Dichloroethane	50.0	44.2		ug/L		88	70 - 130
1,1-Dichloroethene	50.0	46.4		ug/L		93	66 - 131
1,2-Dichloropropane	50.0	44.2		ug/L		88	70 - 130
Ethylbenzene	50.0	44.5		ug/L		89	70 - 130
2-Hexanone	100	89.8		ug/L		90	42 - 185
Methylene Chloride	50.0	46.9		ug/L		94	67 - 130
4-Methyl-2-pentanone	100	87.2		ug/L		87	70 - 130
Styrene	50.0	46.7		ug/L		93	70 - 130
1,1,1,2-Tetrachloroethane	50.0	39.0		ug/L		78	70 - 130
1,1,2,2-Tetrachloroethane	50.0	44.9		ug/L		90	70 - 130
Tetrachloroethene	50.0	47.9		ug/L		96	70 - 130
Toluene	50.0	44.6		ug/L		89	70 - 130
trans-1,2-Dichloroethene	50.0	46.3		ug/L		93	70 - 130
trans-1,3-Dichloropropene	50.0	40.5		ug/L		81	70 - 130
1,2,4-Trichlorobenzene	50.0	51.9		ug/L		104	65 - 130
1,1,1-Trichloroethane	50.0	42.1		ug/L		84	70 - 130
1,1,2-Trichloroethane	50.0	45.2		ug/L		90	70 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	47.3		ug/L		95	55 - 156
1,2,3-Trichloropropane	50.0	46.7		ug/L		93	70 - 130
Vinyl chloride	50.0	48.2		ug/L		96	67 - 134
Xylenes, Total	150	134		ug/L		90	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210445/8
Matrix: Water
Analysis Batch: 210445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	132		ug/L		132	26 - 180	21	50
Benzene	50.0	53.4		ug/L		107	70 - 130	17	30
Bromodichloromethane	50.0	48.7		ug/L		97	70 - 130	20	30
Bromoform	50.0	39.2		ug/L		78	70 - 130	23	30
Bromomethane	50.0	39.5		ug/L		79	23 - 165	3	50
2-Butanone	100	121		ug/L		121	49 - 172	19	30
Carbon disulfide	50.0	55.8		ug/L		112	54 - 132	20	30
Carbon tetrachloride	50.0	41.9		ug/L		84	70 - 130	21	30
Chlorobenzene	50.0	57.3		ug/L		115	70 - 130	19	30
Chloroethane	50.0	54.8		ug/L		110	56 - 152	15	40
Chloroform	50.0	56.2		ug/L		112	70 - 130	18	30
Chloromethane	50.0	68.7	*	ug/L		137	70 - 130	22	30
cis-1,3-Dichloropropene	50.0	49.3		ug/L		99	70 - 130	18	30
Dibromochloromethane	50.0	44.8		ug/L		90	70 - 130	24	50
1,2-Dibromo-3-Chloropropane	50.0	50.4		ug/L		101	70 - 130	23	50
1,2-Dibromoethane	50.0	56.6		ug/L		113	70 - 130	19	30
Dibromomethane	50.0	54.7		ug/L		109	70 - 130	17	30
1,2-Dichlorobenzene	50.0	59.5		ug/L		119	70 - 130	19	30
1,3-Dichlorobenzene	50.0	58.3		ug/L		117	70 - 130	18	30
1,4-Dichlorobenzene	50.0	59.6		ug/L		119	70 - 130	21	30
Dichlorodifluoromethane	50.0	55.6		ug/L		111	44 - 146	22	50
1,1-Dichloroethane	50.0	55.3		ug/L		111	70 - 130	21	30
1,2-Dichloroethane	50.0	52.5		ug/L		105	70 - 130	17	30
1,1-Dichloroethene	50.0	58.6		ug/L		117	66 - 131	23	30
1,2-Dichloropropane	50.0	52.5		ug/L		105	70 - 130	17	30
Ethylbenzene	50.0	55.2		ug/L		110	70 - 130	21	30
2-Hexanone	100	109		ug/L		109	42 - 185	19	30
Methylene Chloride	50.0	57.2		ug/L		114	67 - 130	20	30
4-Methyl-2-pentanone	100	103		ug/L		103	70 - 130	17	30
Styrene	50.0	57.1		ug/L		114	70 - 130	20	30
1,1,1,2-Tetrachloroethane	50.0	48.7		ug/L		97	70 - 130	22	30
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/L		111	70 - 130	21	30
Tetrachloroethene	50.0	58.4		ug/L		117	70 - 130	20	30
Toluene	50.0	54.0		ug/L		108	70 - 130	19	30
trans-1,2-Dichloroethene	50.0	55.1		ug/L		110	70 - 130	17	30
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	70 - 130	19	50
1,2,4-Trichlorobenzene	50.0	63.2		ug/L		126	65 - 130	20	30
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	70 - 130	18	30
1,1,2-Trichloroethane	50.0	54.2		ug/L		108	70 - 130	18	30
Trichloroethene	50.0	56.6		ug/L		113	70 - 130	18	30
Trichlorofluoromethane	50.0	58.9		ug/L		118	55 - 156	22	30
1,2,3-Trichloropropane	50.0	58.0		ug/L		116	70 - 130	22	30
Vinyl chloride	50.0	59.4		ug/L		119	67 - 134	21	30
Xylenes, Total	150	166		ug/L		110	70 - 130	21	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*70 - 130*
Dibromofluoromethane	*116*		*70 - 130*
Toluene-d8 (Surr)	*111*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70683-8 MS
Matrix: Water
Analysis Batch: 210445

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	25	U	100	88.5		ug/L		89	26 - 180
Benzene	1.0	U	50.0	49.2		ug/L		98	70 - 130
Bromodichloromethane	1.0	U	50.0	39.9		ug/L		80	70 - 130
Bromoform	1.0	U *	50.0	27.2	F	ug/L		54	70 - 130
Bromomethane	1.0	U	50.0	56.5		ug/L		113	23 - 165
2-Butanone	10	U	100	91.2		ug/L		91	49 - 172
Carbon disulfide	2.0	U	50.0	55.3		ug/L		111	54 - 132
Carbon tetrachloride	1.0	U *	50.0	31.2	F	ug/L		62	70 - 130
Chlorobenzene	1.0	U	50.0	50.9		ug/L		102	70 - 130
Chloroethane	1.0	U	50.0	64.2		ug/L		128	56 - 152
Chloroform	1.0	U	50.0	52.6		ug/L		105	70 - 130
Chloromethane	1.0	U *	50.0	63.2		ug/L		126	70 - 130
cis-1,3-Dichloropropene	1.0	U	50.0	39.8		ug/L		80	70 - 130
Dibromochloromethane	1.0	U	50.0	32.9	F	ug/L		66	70 - 130
1,2-Dibromo-3-Chloropropane	1.0	U	50.0	33.8	F	ug/L		68	70 - 130
1,2-Dibromoethane	1.0	U	50.0	47.7		ug/L		95	70 - 130
Dibromomethane	1.0	U	50.0	47.5		ug/L		95	70 - 130
1,2-Dichlorobenzene	1.0	U	50.0	52.8		ug/L		106	70 - 130
1,3-Dichlorobenzene	1.0	U	50.0	53.3		ug/L		107	70 - 130
1,4-Dichlorobenzene	1.0	U	50.0	52.5		ug/L		105	70 - 130
Dichlorodifluoromethane	1.0	U	50.0	56.4		ug/L		113	44 - 146
1,1-Dichloroethane	1.0	U	50.0	51.9		ug/L		104	70 - 130
1,2-Dichloroethane	1.0	U	50.0	46.1		ug/L		92	70 - 130
1,1-Dichloroethene	1.0	U	50.0	57.3		ug/L		115	66 - 131
1,2-Dichloropropane	1.0	U	50.0	46.3		ug/L		93	70 - 130
Ethylbenzene	1.0	U	50.0	48.7		ug/L		97	70 - 130
2-Hexanone	10	U	100	80.9		ug/L		81	42 - 185
Methylene Chloride	5.0	U	50.0	54.8		ug/L		110	67 - 130
4-Methyl-2-pentanone	10	U	100	86.0		ug/L		86	70 - 130
Styrene	1.0	U	50.0	49.8		ug/L		100	70 - 130
1,1,1,2-Tetrachloroethane	1.0	U	50.0	36.8		ug/L		74	70 - 130
1,1,2,2-Tetrachloroethane	1.0	U	50.0	46.5		ug/L		93	70 - 130
Tetrachloroethene	1.0	U	50.0	52.7		ug/L		105	70 - 130
Toluene	1.0	U	50.0	49.5		ug/L		99	70 - 130
trans-1,2-Dichloroethene	1.0	U	50.0	52.3		ug/L		105	70 - 130
trans-1,3-Dichloropropene	1.0	U	50.0	37.4		ug/L		75	70 - 130
1,2,4-Trichlorobenzene	1.0	U	50.0	52.2		ug/L		104	65 - 130
1,1,1-Trichloroethane	1.0	U	50.0	42.8		ug/L		86	70 - 130
1,1,2-Trichloroethane	1.0	U	50.0	47.1		ug/L		94	70 - 130
Trichloroethene	1.0	U	50.0	50.9		ug/L		102	70 - 130
Trichlorofluoromethane	1.0	U	50.0	60.7		ug/L		121	55 - 156
1,2,3-Trichloropropane	1.0	U	50.0	48.6		ug/L		97	70 - 130
Vinyl chloride	1.0	U	50.0	57.3		ug/L		115	67 - 134
Xylenes, Total	2.0	U	150	146		ug/L		97	70 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*108*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70683-8 MSD
Matrix: Water
Analysis Batch: 210445

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	25	U	100	103		ug/L		103	26 - 180	15	50
Benzene	1.0	U	50.0	50.3		ug/L		101	70 - 130	2	30
Bromodichloromethane	1.0	U	50.0	42.9		ug/L		86	70 - 130	7	30
Bromoform	1.0	U *	50.0	31.8	F	ug/L		64	70 - 130	16	30
Bromomethane	1.0	U	50.0	60.1		ug/L		120	23 - 165	6	50
2-Butanone	10	U	100	101		ug/L		101	49 - 172	10	30
Carbon disulfide	2.0	U	50.0	61.1		ug/L		122	54 - 132	10	30
Carbon tetrachloride	1.0	U *	50.0	36.2		ug/L		72	70 - 130	15	30
Chlorobenzene	1.0	U	50.0	54.2		ug/L		108	70 - 130	6	30
Chloroethane	1.0	U	50.0	69.2		ug/L		138	56 - 152	7	40
Chloroform	1.0	U	50.0	56.9		ug/L		114	70 - 130	8	30
Chloromethane	1.0	U *	50.0	70.0	F	ug/L		140	70 - 130	10	30
cis-1,3-Dichloropropene	1.0	U	50.0	43.1		ug/L		86	70 - 130	8	30
Dibromochloromethane	1.0	U	50.0	37.4		ug/L		75	70 - 130	13	50
1,2-Dibromo-3-Chloropropane	1.0	U	50.0	39.9		ug/L		80	70 - 130	17	50
1,2-Dibromoethane	1.0	U	50.0	50.9		ug/L		102	70 - 130	7	30
Dibromomethane	1.0	U	50.0	49.6		ug/L		99	70 - 130	4	30
1,2-Dichlorobenzene	1.0	U	50.0	55.6		ug/L		111	70 - 130	5	30
1,3-Dichlorobenzene	1.0	U	50.0	55.9		ug/L		112	70 - 130	5	30
1,4-Dichlorobenzene	1.0	U	50.0	56.9		ug/L		114	70 - 130	8	30
Dichlorodifluoromethane	1.0	U	50.0	61.4		ug/L		123	44 - 146	8	50
1,1-Dichloroethane	1.0	U	50.0	56.7		ug/L		113	70 - 130	9	30
1,2-Dichloroethane	1.0	U	50.0	48.0		ug/L		96	70 - 130	4	30
1,1-Dichloroethene	1.0	U	50.0	61.1		ug/L		122	66 - 131	7	30
1,2-Dichloropropane	1.0	U	50.0	48.2		ug/L		96	70 - 130	4	30
Ethylbenzene	1.0	U	50.0	52.4		ug/L		105	70 - 130	7	30
2-Hexanone	10	U	100	87.3		ug/L		87	42 - 185	8	30
Methylene Chloride	5.0	U	50.0	59.6		ug/L		119	67 - 130	8	30
4-Methyl-2-pentanone	10	U	100	89.5		ug/L		89	70 - 130	4	30
Styrene	1.0	U	50.0	54.3		ug/L		109	70 - 130	8	30
1,1,1,2-Tetrachloroethane	1.0	U	50.0	41.7		ug/L		83	70 - 130	13	30
1,1,2,2-Tetrachloroethane	1.0	U	50.0	50.2		ug/L		100	70 - 130	8	30
Tetrachloroethene	1.0	U	50.0	55.6		ug/L		111	70 - 130	5	30
Toluene	1.0	U	50.0	51.7		ug/L		103	70 - 130	4	30
trans-1,2-Dichloroethene	1.0	U	50.0	57.7		ug/L		115	70 - 130	10	30
trans-1,3-Dichloropropene	1.0	U	50.0	41.3		ug/L		83	70 - 130	10	50
1,2,4-Trichlorobenzene	1.0	U	50.0	59.0		ug/L		118	65 - 130	12	30
1,1,1-Trichloroethane	1.0	U	50.0	46.0		ug/L		92	70 - 130	7	30
1,1,2-Trichloroethane	1.0	U	50.0	49.5		ug/L		99	70 - 130	5	30
Trichloroethene	1.0	U	50.0	52.6		ug/L		105	70 - 130	3	30
Trichlorofluoromethane	1.0	U	50.0	67.7		ug/L		135	55 - 156	11	30
1,2,3-Trichloropropane	1.0	U	50.0	51.0		ug/L		102	70 - 130	5	30
Vinyl chloride	1.0	U	50.0	62.6		ug/L		125	67 - 134	9	30
Xylenes, Total	2.0	U	150	160		ug/L		107	70 - 130	9	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*117*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210497/4
Matrix: Water
Analysis Batch: 210497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	115		ug/L		115	26 - 180
Benzene	50.0	46.7		ug/L		93	70 - 130
Bromodichloromethane	50.0	40.1		ug/L		80	70 - 130
Bromoform	50.0	30.9	*	ug/L		62	70 - 130
Bromomethane	50.0	39.0		ug/L		78	23 - 165
2-Butanone	100	104		ug/L		104	49 - 172
Carbon disulfide	50.0	49.9		ug/L		100	54 - 132
Carbon tetrachloride	50.0	33.9	*	ug/L		68	70 - 130
Chlorobenzene	50.0	50.3		ug/L		101	70 - 130
Chloroethane	50.0	51.6		ug/L		103	56 - 152
Chloroform	50.0	48.2		ug/L		96	70 - 130
Chloromethane	50.0	60.7		ug/L		121	70 - 130
cis-1,3-Dichloropropene	50.0	43.6		ug/L		87	70 - 130
Dibromochloromethane	50.0	35.7		ug/L		71	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	42.6		ug/L		85	70 - 130
1,2-Dibromoethane	50.0	48.8		ug/L		98	70 - 130
Dibromomethane	50.0	46.6		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130
1,3-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 130
Dichlorodifluoromethane	50.0	51.4		ug/L		103	44 - 146
1,1-Dichloroethane	50.0	46.8		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	45.4		ug/L		91	70 - 130
1,1-Dichloroethene	50.0	49.1		ug/L		98	66 - 131
1,2-Dichloropropane	50.0	46.2		ug/L		92	70 - 130
Ethylbenzene	50.0	48.0		ug/L		96	70 - 130
2-Hexanone	100	97.2		ug/L		97	42 - 185
Methylene Chloride	50.0	52.4		ug/L		105	67 - 130
4-Methyl-2-pentanone	100	90.7		ug/L		91	70 - 130
Styrene	50.0	50.7		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	50.0	40.6		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.0		ug/L		98	70 - 130
Tetrachloroethene	50.0	50.2		ug/L		100	70 - 130
Toluene	50.0	47.5		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	42.9		ug/L		86	70 - 130
1,2,4-Trichlorobenzene	50.0	54.3		ug/L		109	65 - 130
1,1,1-Trichloroethane	50.0	43.0		ug/L		86	70 - 130
1,1,2-Trichloroethane	50.0	47.4		ug/L		95	70 - 130
Trichloroethene	50.0	48.2		ug/L		96	70 - 130
Trichlorofluoromethane	50.0	51.2		ug/L		102	55 - 156
1,2,3-Trichloropropane	50.0	51.0		ug/L		102	70 - 130
Vinyl chloride	50.0	52.3		ug/L		105	67 - 134
Xylenes, Total	150	147		ug/L		98	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210497/5
Matrix: Water
Analysis Batch: 210497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	114		ug/L		114	26 - 180	0	50
Benzene	50.0	45.9		ug/L		92	70 - 130	2	30
Bromodichloromethane	50.0	41.3		ug/L		83	70 - 130	3	30
Bromoform	50.0	31.7	*	ug/L		63	70 - 130	3	30
Bromomethane	50.0	44.6		ug/L		89	23 - 165	14	50
2-Butanone	100	103		ug/L		103	49 - 172	1	30
Carbon disulfide	50.0	50.4		ug/L		101	54 - 132	1	30
Carbon tetrachloride	50.0	36.1		ug/L		72	70 - 130	6	30
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130	1	30
Chloroethane	50.0	54.0		ug/L		108	56 - 152	4	40
Chloroform	50.0	48.4		ug/L		97	70 - 130	1	30
Chloromethane	50.0	60.5		ug/L		121	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	42.9		ug/L		86	70 - 130	2	30
Dibromochloromethane	50.0	37.7		ug/L		75	70 - 130	5	50
1,2-Dibromo-3-Chloropropane	50.0	41.7		ug/L		83	70 - 130	2	50
1,2-Dibromoethane	50.0	47.1		ug/L		94	70 - 130	4	30
Dibromomethane	50.0	45.8		ug/L		92	70 - 130	2	30
1,2-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130	0	30
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 130	1	30
1,4-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130	1	30
Dichlorodifluoromethane	50.0	52.3		ug/L		105	44 - 146	2	50
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130	2	30
1,2-Dichloroethane	50.0	44.4		ug/L		89	70 - 130	2	30
1,1-Dichloroethene	50.0	50.7		ug/L		101	66 - 131	3	30
1,2-Dichloropropane	50.0	45.9		ug/L		92	70 - 130	1	30
Ethylbenzene	50.0	48.3		ug/L		97	70 - 130	1	30
2-Hexanone	100	92.3		ug/L		92	42 - 185	5	30
Methylene Chloride	50.0	50.8		ug/L		102	67 - 130	3	30
4-Methyl-2-pentanone	100	88.8		ug/L		89	70 - 130	2	30
Styrene	50.0	50.9		ug/L		102	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	42.1		ug/L		84	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 130	1	30
Tetrachloroethene	50.0	51.1		ug/L		102	70 - 130	2	30
Toluene	50.0	47.1		ug/L		94	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	42.2		ug/L		84	70 - 130	2	50
1,2,4-Trichlorobenzene	50.0	54.6		ug/L		109	65 - 130	1	30
1,1,1-Trichloroethane	50.0	44.2		ug/L		88	70 - 130	3	30
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	70 - 130	4	30
Trichloroethene	50.0	48.1		ug/L		96	70 - 130	0	30
Trichlorofluoromethane	50.0	52.9		ug/L		106	55 - 156	3	30
1,2,3-Trichloropropane	50.0	49.2		ug/L		98	70 - 130	4	30
Vinyl chloride	50.0	53.0		ug/L		106	67 - 134	1	30
Xylenes, Total	150	148		ug/L		99	70 - 130	0	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 680-210074/15-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Acenaphthylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Acetophenone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Acetylaminofluorene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
alpha,alpha-Dimethyl phenethylamine	10	U	10		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Aminobiphenyl	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Aniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Aramite, Total	1.5	U	1.5		ug/L		07/26/11 14:51	08/10/11 16:56	1
Benzo[a]anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Benzo[a]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Benzo[b]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Benzo[g,h,i]perylene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Benzo[k]fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Benzyl alcohol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Bis(2-chloroethoxy)methane	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Bis(2-chloroethyl)ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
bis (2-chloroisopropyl) ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Bromophenyl phenyl ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Butyl benzyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Chloroaniline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Chloro-3-methylphenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Chloronaphthalene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Chlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Chlorophenyl phenyl ether	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Chrysene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Diallate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Dibenz(a,h)anthracene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Dibenzofuran	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,4-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,3-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,2-Dichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
3,3'-Dichlorobenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,4-Dichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,6-Dichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Diethyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Dimethoate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
3,3'-Dimethylbenzidine	20	U	20		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,4-Dimethylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Dimethyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Di-n-butyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,3-Dinitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4,6-Dinitro-2-methylphenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,4-Dinitrophenol	10	U	10		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,4-Dinitrotoluene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,6-Dinitrotoluene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Di-n-octyl phthalate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-210074/15-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,4-Dioxane	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Disulfoton	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Ethyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Ethyl Parathion	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Famphur	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Fluoranthene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Fluorene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Hexachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Hexachlorobutadiene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Hexachlorocyclopentadiene	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Hexachloroethane	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Hexachlorophene	500	U	500		ug/L		07/26/11 14:51	08/10/11 16:56	1
Hexachloropropene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Isophorone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Isosafrole	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Methapyrilene	200	U	200		ug/L		07/26/11 14:51	08/10/11 16:56	1
3-Methylcholanthrene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Methyl methanesulfonate	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Methylnaphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Methyl parathion	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
3 & 4 Methylphenol	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Naphthalene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,4-Naphthoquinone	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Naphthylamine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Nitroaniline	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
3-Nitroaniline	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Nitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Nitrophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Nitrophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
4-Nitroquinoline-1-oxide	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitro-o-toluidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosodiethylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosodimethylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosodi-n-butylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosodi-n-propylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosodiphenylamine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosomethylethylamine	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosomorpholine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosopiperidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
N-Nitrosopyrrolidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
o,o',o''-Triethylphosphorothioate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
p-Dimethylamino azobenzene	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Pentachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Pentachloronitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Pentachlorophenol	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-210074/15-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenacetin	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Phenanthrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Phenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Phorate	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Picoline	2.0	U	2.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
p-Phenylene diamine	200	U	200		ug/L		07/26/11 14:51	08/10/11 16:56	1
Pronamide	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Pyrene	0.20	U	0.20		ug/L		07/26/11 14:51	08/10/11 16:56	1
Pyridine	5.0	U	5.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Safrole, Total	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Sulfotepp	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
Thionazin	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2-Toluidine	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,4,6-Trichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
2,4,5-Trichlorophenol	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1
1,3,5-Trinitrobenzene	1.0	U	1.0		ug/L		07/26/11 14:51	08/10/11 16:56	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*65*		*27 - 130*	*07/26/11 14:51*	*08/10/11 16:56*	*1*
Nitrobenzene-d5 (Surr)	*68*		*32 - 130*	*07/26/11 14:51*	*08/10/11 16:56*	*1*
Terphenyl-d14 (Surr)	*91*		*36 - 130*	*07/26/11 14:51*	*08/10/11 16:56*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*30 - 130*	*07/26/11 14:51*	*08/10/11 16:56*	*1*
2-Fluorophenol (Surr)	*64*		*25 - 130*	*07/26/11 14:51*	*08/10/11 16:56*	*1*
2-Fluorobiphenyl	*74*		*34 - 130*	*07/26/11 14:51*	*08/10/11 16:56*	*1*

Lab Sample ID: LCS 680-210074/16-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	10.0	8.26		ug/L		83	42 - 130
Acenaphthylene	10.0	9.26		ug/L		93	45 - 130
Acetophenone	10.0	7.81		ug/L		78	45 - 130
Aniline	10.0	10.7		ug/L		107	10 - 130
Anthracene	10.0	9.28		ug/L		93	58 - 130
Benzo[a]anthracene	10.0	9.83		ug/L		98	42 - 143
Benzo[a]pyrene	10.0	10.6		ug/L		106	45 - 151
Benzo[b]fluoranthene	10.0	10.4		ug/L		104	41 - 140
Benzo[g,h,i]perylene	10.0	10.0		ug/L		100	27 - 134
Benzo[k]fluoranthene	10.0	9.59		ug/L		96	45 - 140
Benzyl alcohol	10.0	8.09		ug/L		81	34 - 130
Bis(2-chloroethoxy)methane	10.0	9.26		ug/L		93	47 - 130
Bis(2-chloroethyl)ether	10.0	8.42		ug/L		84	36 - 130
bis (2-chloroisopropyl) ether	10.0	8.36		ug/L		84	39 - 130
Bis(2-ethylhexyl) phthalate	10.0	11.2		ug/L		112	10 - 158
4-Bromophenyl phenyl ether	10.0	9.80		ug/L		98	44 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-210074/16-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Butyl benzyl phthalate	10.0	9.97		ug/L		100	60 - 130
4-Chloroaniline	10.0	7.13		ug/L		71	17 - 130
4-Chloro-3-methylphenol	10.0	8.63		ug/L		86	54 - 130
2-Chloronaphthalene	10.0	7.64		ug/L		76	48 - 130
2-Chlorophenol	10.0	7.82		ug/L		78	45 - 130
4-Chlorophenyl phenyl ether	10.0	9.44		ug/L		94	52 - 130
Chrysene	10.0	9.59		ug/L		96	40 - 142
Dibenz(a,h)anthracene	10.0	10.2		ug/L		102	38 - 130
Dibenzofuran	10.0	9.12		ug/L		91	56 - 130
1,4-Dichlorobenzene	10.0	5.95		ug/L		60	34 - 130
1,3-Dichlorobenzene	10.0	5.72		ug/L		57	31 - 130
1,2-Dichlorobenzene	10.0	5.87		ug/L		59	36 - 130
3,3'-Dichlorobenzidine	10.0	20	U	ug/L		82	10 - 158
2,4-Dichlorophenol	10.0	8.69		ug/L		87	58 - 130
Diethyl phthalate	10.0	10.3		ug/L		103	60 - 130
2,4-Dimethylphenol	10.0	6.16		ug/L		62	41 - 130
Dimethyl phthalate	10.0	10.2		ug/L		102	58 - 130
Di-n-butyl phthalate	10.0	9.83		ug/L		98	59 - 130
4,6-Dinitro-2-methylphenol	10.0	9.25		ug/L		92	10 - 182
2,4-Dinitrophenol	10.0	11.0		ug/L		110	10 - 200
2,4-Dinitrotoluene	10.0	8.25		ug/L		82	57 - 130
2,6-Dinitrotoluene	10.0	9.41		ug/L		94	53 - 130
Di-n-octyl phthalate	10.0	10.8		ug/L		108	19 - 130
1,4-Dioxane	10.0	5.44		ug/L		54	10 - 130
Fluoranthene	10.0	9.88		ug/L		99	46 - 136
Fluorene	10.0	9.50		ug/L		95	48 - 130
Hexachlorobenzene	10.0	8.70		ug/L		87	49 - 130
Hexachlorobutadiene	10.0	6.33		ug/L		63	36 - 130
Hexachlorocyclopentadiene	10.0	4.07		ug/L		41	16 - 130
Hexachloroethane	10.0	4.98		ug/L		50	32 - 130
Indeno[1,2,3-cd]pyrene	10.0	10.5		ug/L		105	12 - 130
Isophorone	10.0	8.08		ug/L		81	45 - 130
2-Methylnaphthalene	10.0	7.88		ug/L		79	51 - 130
2-Methylphenol	10.0	7.84		ug/L		78	49 - 130
3 & 4 Methylphenol	10.0	7.96		ug/L		80	55 - 130
Naphthalene	10.0	7.64		ug/L		76	35 - 130
4-Nitroaniline	10.0	9.80		ug/L		98	31 - 147
2-Nitroaniline	10.0	9.00		ug/L		90	48 - 130
3-Nitroaniline	10.0	8.43		ug/L		84	18 - 147
Nitrobenzene	10.0	7.54		ug/L		75	45 - 130
4-Nitrophenol	10.0	8.18		ug/L		82	36 - 132
2-Nitrophenol	10.0	8.35		ug/L		83	49 - 130
N-Nitrosodimethylamine	10.0	7.50		ug/L		75	29 - 130
N-Nitrosodi-n-propylamine	10.0	8.66		ug/L		87	42 - 130
N-Nitrosodiphenylamine	10.0	9.70		ug/L		97	38 - 130
Pentachlorophenol	10.0	7.48		ug/L		75	12 - 156
Phenanthrene	10.0	9.60		ug/L		96	45 - 134
Phenol	10.0	7.92		ug/L		79	44 - 130
Pyrene	10.0	9.26		ug/L		93	47 - 143
Pyridine	10.0	5.47		ug/L		55	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-210074/16-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	10.0	6.31		ug/L		63	39 - 130
2,4,6-Trichlorophenol	10.0	9.13		ug/L		91	61 - 130
2,4,5-Trichlorophenol	10.0	9.43		ug/L		94	61 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*66*		*27 - 130*
Nitrobenzene-d5 (Surr)	*68*		*32 - 130*
Terphenyl-d14 (Surr)	*81*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*84*		*30 - 130*
2-Fluorophenol (Surr)	*65*		*25 - 130*
2-Fluorobiphenyl	*76*		*34 - 130*

Lab Sample ID: LCS 680-210074/19-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Acetylaminofluorene	10.0	9.82		ug/L		98	10 - 130
alpha,alpha-Dimethyl phenethylamine	10.0	10	U	ug/L		92	10 - 130
4-Aminobiphenyl	10.0	5.0	U	ug/L		42	10 - 130
Aramite, Total	10.0	9.48		ug/L		95	10 - 130
Diallate	10.0	8.15		ug/L		82	10 - 130
2,6-Dichlorophenol	10.0	7.75		ug/L		78	10 - 130
Dimethoate	10.0	5.45		ug/L		54	10 - 130
7,12-Dimethylbenz(a)anthracene	10.0	7.99		ug/L		80	10 - 130
3,3'-Dimethylbenzidine	25.0	26.7		ug/L		107	10 - 130
1,3-Dinitrobenzene	10.0	8.46		ug/L		85	10 - 130
Dinoseb	10.0	10.3		ug/L		103	10 - 130
Disulfoton	10.0	6.79		ug/L		68	10 - 130
Ethyl methanesulfonate	10.0	6.82		ug/L		68	10 - 130
Ethyl Parathion	10.0	8.16		ug/L		82	10 - 130
Famphur	10.0	1.35		ug/L		13	10 - 130
Hexachlorophene	50.0	500	U *	ug/L		2	10 - 130
Hexachloropropene	10.0	3.86		ug/L		39	10 - 130
Isosafrole	10.0	8.07		ug/L		81	10 - 130
Methapyrilene	50.0	200	U	ug/L		73	10 - 130
3-Methylcholanthrene	10.0	2.61		ug/L		26	10 - 130
Methyl methanesulfonate	10.0	3.41		ug/L		34	10 - 130
Methyl parathion	10.0	6.77		ug/L		68	10 - 130
1,4-Naphthoquinone	10.0	2.96		ug/L		30	10 - 130
1-Naphthylamine	10.0	5.30		ug/L		53	10 - 130
2-Naphthylamine	10.0	5.0	U	ug/L		45	10 - 130
4-Nitroquinoline-1-oxide	10.0	4.99		ug/L		50	10 - 130
N-Nitro-o-toluidine	10.0	7.31		ug/L		73	10 - 130
N-Nitrosodiethylamine	10.0	7.64		ug/L		76	10 - 130
N-Nitrosodi-n-butylamine	10.0	8.06		ug/L		81	10 - 130
N-Nitrosomethylethylamine	10.0	7.51		ug/L		75	10 - 130
N-Nitrosomorpholine	10.0	7.62		ug/L		76	10 - 130
N-Nitrosopiperidine	10.0	7.91		ug/L		79	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-210074/19-A
Matrix: Water
Analysis Batch: 211582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
N-Nitrosopyrrolidine	10.0	8.03		ug/L		80	10 - 130
o,o',o''-Triethylphosphorothioate	10.0	7.92		ug/L		79	10 - 130
p-Dimethylamino azobenzene	10.0	8.78		ug/L		88	10 - 130
Pentachlorobenzene	10.0	7.34		ug/L		73	10 - 130
Pentachloronitrobenzene	10.0	8.98		ug/L		90	10 - 130
Phenacetin	10.0	8.75		ug/L		87	10 - 130
Phorate	10.0	7.63		ug/L		76	10 - 130
2-Picoline	10.0	6.31		ug/L		63	10 - 130
p-Phenylene diamine	50.0	200	U	ug/L		13	10 - 130
Pronamide	10.0	8.59		ug/L		86	10 - 130
Safrole, Total	10.0	7.78		ug/L		78	10 - 130
Sulfotepp	10.0	7.64		ug/L		76	10 - 130
1,2,4,5-Tetrachlorobenzene	10.0	6.03		ug/L		60	10 - 130
2,3,4,6-Tetrachlorophenol	10.0	8.09		ug/L		81	10 - 130
Thionazin	10.0	7.96		ug/L		80	10 - 130
2-Toluidine	10.0	6.23		ug/L		62	10 - 130
1,3,5-Trinitrobenzene	10.0	3.66		ug/L		37	10 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*65*		*27 - 130*
Nitrobenzene-d5 (Surr)	*69*		*32 - 130*
Terphenyl-d14 (Surr)	*83*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*86*		*30 - 130*
2-Fluorophenol (Surr)	*66*		*25 - 130*
2-Fluorobiphenyl	*77*		*34 - 130*

Lab Sample ID: 680-70683-8 MS
Matrix: Water
Analysis Batch: 211582

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	0.20	U	9.91	8.27		ug/L		83	42 - 130
Acenaphthylene	0.20	U	9.91	9.28		ug/L		94	45 - 130
Acetophenone	0.99	U	9.91	8.00		ug/L		78	45 - 130
Aniline	2.0	U	9.91	3.01		ug/L		30	10 - 130
Anthracene	0.20	U	9.91	9.79		ug/L		99	58 - 130
Benzo[a]anthracene	0.20	U	9.91	10.6		ug/L		107	42 - 143
Benzo[a]pyrene	0.20	U	9.91	10.1		ug/L		102	45 - 151
Benzo[b]fluoranthene	0.20	U	9.91	10.5		ug/L		106	41 - 140
Benzo[g,h,i]perylene	0.20	U	9.91	9.10		ug/L		92	27 - 134
Benzo[k]fluoranthene	0.20	U	9.91	9.98		ug/L		101	45 - 140
Benzyl alcohol	0.99	U	9.91	7.70		ug/L		78	34 - 130
Bis(2-chloroethoxy)methane	0.99	U	9.91	9.13		ug/L		92	47 - 130
Bis(2-chloroethyl)ether	0.99	U	9.91	8.24		ug/L		83	36 - 130
bis (2-chloroisopropyl) ether	0.99	U	9.91	7.92		ug/L		80	39 - 130
Bis(2-ethylhexyl) phthalate	2.0	U	9.91	12.6		ug/L		113	10 - 158
4-Bromophenyl phenyl ether	0.99	U	9.91	10.8		ug/L		109	44 - 130
Butyl benzyl phthalate	0.99	U	9.91	11.6		ug/L		115	60 - 130
4-Chloroaniline	2.0	U	9.91	2.0	U	ug/L		17	17 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70683-8 MS
Matrix: Water
Analysis Batch: 211582

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
4-Chloro-3-methylphenol	0.99	U	9.91	8.44		ug/L		85	54 - 130
2-Chloronaphthalene	0.99	U	9.91	7.72		ug/L		78	48 - 130
2-Chlorophenol	0.99	U	9.91	7.52		ug/L		76	45 - 130
4-Chlorophenyl phenyl ether	0.99	U	9.91	9.76		ug/L		98	52 - 130
Chrysene	0.20	U	9.91	9.96		ug/L		100	40 - 142
Dibenz(a,h)anthracene	0.20	U	9.91	9.02		ug/L		91	38 - 130
Dibenzofuran	0.99	U	9.91	9.03		ug/L		91	56 - 130
1,4-Dichlorobenzene	0.99	U	9.91	5.79		ug/L		56	34 - 130
1,3-Dichlorobenzene	0.99	U	9.91	5.64		ug/L		57	31 - 130
1,2-Dichlorobenzene	0.99	U	9.91	5.77		ug/L		58	36 - 130
3,3'-Dichlorobenzidine	20	U	9.91	20	U F	ug/L		0	10 - 158
2,4-Dichlorophenol	0.99	U	9.91	8.32		ug/L		84	58 - 130
Diethyl phthalate	0.99	U	9.91	10.3		ug/L		104	60 - 130
2,4-Dimethylphenol	2.0	U	9.91	8.24		ug/L		83	41 - 130
Dimethyl phthalate	0.99	U	9.91	10.6		ug/L		107	58 - 130
Di-n-butyl phthalate	0.99	U	9.91	9.98		ug/L		101	59 - 130
4,6-Dinitro-2-methylphenol	4.9	U	9.91	10.3		ug/L		104	10 - 182
2,4-Dinitrophenol	9.9	U	9.91	12.5		ug/L		126	10 - 200
2,4-Dinitrotoluene	0.99	U	9.91	8.51		ug/L		86	57 - 130
2,6-Dinitrotoluene	0.99	U	9.91	10.0		ug/L		101	53 - 130
Di-n-octyl phthalate	0.99	U	9.91	11.3		ug/L		114	19 - 130
1,4-Dioxane	2.0	U	9.91	6.16		ug/L		62	10 - 130
Fluoranthene	0.20	U	9.91	9.63		ug/L		97	46 - 136
Fluorene	0.20	U	9.91	9.51		ug/L		96	48 - 130
Hexachlorobenzene	0.99	U	9.91	9.55		ug/L		96	49 - 130
Hexachlorobutadiene	0.99	U	9.91	6.84		ug/L		69	36 - 130
Hexachlorocyclopentadiene	2.0	U	9.91	5.12		ug/L		52	16 - 130
Hexachloroethane	0.99	U	9.91	5.01		ug/L		50	32 - 130
Indeno[1,2,3-cd]pyrene	0.20	U	9.91	8.22		ug/L		83	12 - 130
Isophorone	0.99	U	9.91	7.87		ug/L		79	45 - 130
2-Methylnaphthalene	0.20	U	9.91	7.46		ug/L		75	51 - 130
2-Methylphenol	2.0	U	9.91	7.28		ug/L		73	49 - 130
3 & 4 Methylphenol	2.0	U	9.91	7.34		ug/L		74	55 - 130
Naphthalene	0.20	U	9.91	7.69		ug/L		78	35 - 130
4-Nitroaniline	4.9	U	9.91	7.20		ug/L		73	31 - 147
2-Nitroaniline	0.99	U	9.91	9.20		ug/L		93	48 - 130
3-Nitroaniline	4.9	U	9.91	5.20		ug/L		52	18 - 147
Nitrobenzene	0.99	U	9.91	7.82		ug/L		79	45 - 130
4-Nitrophenol	4.9	U	9.91	8.13		ug/L		82	36 - 132
2-Nitrophenol	0.99	U	9.91	8.51		ug/L		86	49 - 130
N-Nitrosodimethylamine	0.99	U	9.91	7.63		ug/L		77	29 - 130
N-Nitrosodi-n-propylamine	0.99	U	9.91	7.82		ug/L		79	42 - 130
N-Nitrosodiphenylamine	0.99	U	9.91	10.3		ug/L		104	38 - 130
Pentachlorophenol	4.9	U	9.91	8.77		ug/L		88	12 - 156
Phenanthrene	0.20	U	9.91	10.2		ug/L		102	45 - 134
Phenol	0.99	U	9.91	6.80		ug/L		69	44 - 130
Pyrene	0.20	U	9.91	11.3		ug/L		114	47 - 143
Pyridine	4.9	U	9.91	5.0	U	ug/L		41	10 - 130
1,2,4-Trichlorobenzene	0.99	U	9.91	6.51		ug/L		66	39 - 130
2,4,6-Trichlorophenol	0.99	U	9.91	9.44		ug/L		95	61 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70683-8 MS — **Client Sample ID: MW-F15 (072211)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 211582 — **Prep Batch: 210074**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4,5-Trichlorophenol	0.99	U	9.91	10.1		ug/L		102	61 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Phenol-d5 (Surr)	*50*		*27 - 130*
Nitrobenzene-d5 (Surr)	*60*		*32 - 130*
Terphenyl-d14 (Surr)	*82*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*79*		*30 - 130*
2-Fluorophenol (Surr)	*51*		*25 - 130*
2-Fluorobiphenyl	*64*		*34 - 130*

Lab Sample ID: 680-70683-8 MS — **Client Sample ID: MW-F15 (072211)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 211714 — **Prep Batch: 210074**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Acetylaminofluorene	0.99	U	9.96	7.86		ug/L		79	10 - 130
alpha,alpha-Dimethyl phenethylamine	9.9	U	9.96	10	U F	ug/L		0	10 - 130
4-Aminobiphenyl	4.9	U	9.96	5.0	U F	ug/L		0	10 - 130
Aramite, Total	1.5	U	9.96	7.46		ug/L		75	10 - 130
Diallate	0.99	U	9.96	7.01		ug/L		70	10 - 130
2,6-Dichlorophenol	0.99	U	9.96	6.84		ug/L		69	10 - 130
Dimethoate	2.0	U	9.96	6.09		ug/L		61	10 - 130
7,12-Dimethylbenz(a)anthracene	0.99	U	9.96	5.25		ug/L		53	10 - 130
3,3'-Dimethylbenzidine	20	U	24.9	20	U F	ug/L		0	10 - 130
1,3-Dinitrobenzene	0.99	U	9.96	7.70		ug/L		77	10 - 130
Dinoseb	2.0	U	9.96	10.4		ug/L		105	10 - 130
Disulfoton	0.99	U	9.96	4.76		ug/L		48	10 - 130
Ethyl methanesulfonate	2.0	U	9.96	4.70		ug/L		47	10 - 130
Ethyl Parathion	2.0	U	9.96	7.38		ug/L		74	10 - 130
Famphur	0.99	U	9.96	6.85		ug/L		69	10 - 130
Hexachlorophene	490	U *	49.8	500	U F	ug/L		0	10 - 130
Hexachloropropene	0.99	U	9.96	2.08		ug/L		21	10 - 130
Isosafrole	0.99	U	9.96	5.82		ug/L		58	10 - 130
Methapyrilene	200	U	49.8	200	U F	ug/L		0	10 - 130
3-Methylcholanthrene	0.99	U	9.96	1.58		ug/L		16	10 - 130
Methyl methanesulfonate	2.0	U	9.96	2.92		ug/L		29	10 - 130
Methyl parathion	0.99	U	9.96	7.35		ug/L		74	10 - 130
1,4-Naphthoquinone	0.99	U	9.96	4.77		ug/L		48	10 - 130
1-Naphthylamine	4.9	U	9.96	5.0	U F	ug/L		0	10 - 130
2-Naphthylamine	4.9	U	9.96	5.0	U F	ug/L		0	10 - 130
4-Nitroquinoline-1-oxide	2.0	U	9.96	2.0	U	ug/L		16	10 - 130
N-Nitro-o-toluidine	0.99	U	9.96	4.90		ug/L		49	10 - 130
N-Nitrosodiethylamine	0.99	U	9.96	6.27		ug/L		63	10 - 130
N-Nitrosodi-n-butylamine	0.99	U	9.96	6.82		ug/L		68	10 - 130
N-Nitrosomethylethylamine	2.0	U	9.96	6.20		ug/L		62	10 - 130
N-Nitrosomorpholine	0.99	U	9.96	6.35		ug/L		64	10 - 130
N-Nitrosopiperidine	0.99	U	9.96	6.75		ug/L		68	10 - 130
N-Nitrosopyrrolidine	0.99	U	9.96	6.71		ug/L		67	10 - 130
o,o',o''-Triethylphosphorothioate	0.99	U	9.96	6.16		ug/L		62	10 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70683-8 MS
Matrix: Water
Analysis Batch: 211714

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
p-Dimethylamino azobenzene	4.9	U	9.96	6.04		ug/L		61	10 - 130
Pentachlorobenzene	0.99	U	9.96	5.36		ug/L		54	10 - 130
Pentachloronitrobenzene	0.99	U	9.96	8.24		ug/L		83	10 - 130
Phenacetin	0.99	U	9.96	7.09		ug/L		71	10 - 130
Phorate	0.99	U	9.96	5.75		ug/L		58	10 - 130
2-Picoline	2.0	U	9.96	5.14		ug/L		52	10 - 130
p-Phenylene diamine	200	U	49.8	200	U F	ug/L		0	10 - 130
Pronamide	0.99	U	9.96	7.32		ug/L		73	10 - 130
Safrole, Total	0.99	U	9.96	5.83		ug/L		59	10 - 130
Sulfotepp	0.99	U	9.96	6.83		ug/L		69	10 - 130
1,2,4,5-Tetrachlorobenzene	0.99	U	9.96	3.72		ug/L		37	10 - 130
2,3,4,6-Tetrachlorophenol	0.99	U	9.96	8.55		ug/L		86	10 - 130
Thionazin	0.99	U	9.96	7.11		ug/L		71	10 - 130
2-Toluidine	0.99	U	9.96	3.25		ug/L		33	10 - 130
1,3,5-Trinitrobenzene	0.99	U	9.96	3.92		ug/L		39	10 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Phenol-d5 (Surr)	*53*		*27 - 130*
Nitrobenzene-d5 (Surr)	*60*		*32 - 130*
Terphenyl-d14 (Surr)	*76*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*77*		*30 - 130*
2-Fluorophenol (Surr)	*53*		*25 - 130*
2-Fluorobiphenyl	*61*		*34 - 130*

Lab Sample ID: 680-70683-8 MSD
Matrix: Water
Analysis Batch: 211582

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene	0.20	U	9.88	6.97		ug/L		71	42 - 130	17	50
Acenaphthylene	0.20	U	9.88	7.82		ug/L		79	45 - 130	17	50
Acetophenone	0.99	U	9.88	6.75		ug/L		65	45 - 130	17	50
Aniline	2.0	U	9.88	2.13		ug/L		22	10 - 130	34	50
Anthracene	0.20	U	9.88	8.29		ug/L		84	58 - 130	17	50
Benzo[a]anthracene	0.20	U	9.88	9.10		ug/L		92	42 - 143	15	50
Benzo[a]pyrene	0.20	U	9.88	9.13		ug/L		92	45 - 151	10	50
Benzo[b]fluoranthene	0.20	U	9.88	8.93		ug/L		90	41 - 140	17	50
Benzo[g,h,i]perylene	0.20	U	9.88	8.55		ug/L		86	27 - 134	6	50
Benzo[k]fluoranthene	0.20	U	9.88	8.47		ug/L		86	45 - 140	16	50
Benzyl alcohol	0.99	U	9.88	6.88		ug/L		70	34 - 130	11	50
Bis(2-chloroethoxy)methane	0.99	U	9.88	7.66		ug/L		78	47 - 130	18	50
Bis(2-chloroethyl)ether	0.99	U	9.88	7.05		ug/L		71	36 - 130	16	50
bis (2-chloroisopropyl) ether	0.99	U	9.88	6.98		ug/L		71	39 - 130	13	50
Bis(2-ethylhexyl) phthalate	2.0	U	9.88	11.8		ug/L		106	10 - 158	6	50
4-Bromophenyl phenyl ether	0.99	U	9.88	8.96		ug/L		91	44 - 130	19	50
Butyl benzyl phthalate	0.99	U	9.88	9.95		ug/L		99	60 - 130	15	50
4-Chloroaniline	2.0	U	9.88	2.0	U F	ug/L		9	17 - 130	61	50
4-Chloro-3-methylphenol	0.99	U	9.88	7.35		ug/L		74	54 - 130	14	50
2-Chloronaphthalene	0.99	U	9.88	6.40		ug/L		65	48 - 130	19	50

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70683-8 MSD
Matrix: Water
Analysis Batch: 211582

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Chlorophenol	0.99	U	9.88	6.47		ug/L		66	45 - 130	15	50
4-Chlorophenyl phenyl ether	0.99	U	9.88	8.15		ug/L		82	52 - 130	18	50
Chrysene	0.20	U	9.88	9.00		ug/L		91	40 - 142	10	50
Dibenz(a,h)anthracene	0.20	U	9.88	8.23		ug/L		83	38 - 130	9	50
Dibenzofuran	0.99	U	9.88	7.73		ug/L		78	56 - 130	16	50
1,4-Dichlorobenzene	0.99	U	9.88	5.05		ug/L		49	34 - 130	14	50
1,3-Dichlorobenzene	0.99	U	9.88	4.83		ug/L		49	31 - 130	15	50
1,2-Dichlorobenzene	0.99	U	9.88	4.98		ug/L		50	36 - 130	15	50
3,3'-Dichlorobenzidine	20	U	9.88	20	U F	ug/L		0	10 - 158	NC	50
2,4-Dichlorophenol	0.99	U	9.88	7.13		ug/L		72	58 - 130	15	50
Diethyl phthalate	0.99	U	9.88	9.00		ug/L		91	60 - 130	14	50
2,4-Dimethylphenol	2.0	U	9.88	6.82		ug/L		69	41 - 130	19	50
Dimethyl phthalate	0.99	U	9.88	8.81		ug/L		89	58 - 130	18	50
Di-n-butyl phthalate	0.99	U	9.88	8.90		ug/L		90	59 - 130	11	50
4,6-Dinitro-2-methylphenol	4.9	U	9.88	8.23		ug/L		83	10 - 182	22	50
2,4-Dinitrophenol	9.9	U	9.88	9.9	U	ug/L		96	10 - 200	27	50
2,4-Dinitrotoluene	0.99	U	9.88	7.30		ug/L		74	57 - 130	15	50
2,6-Dinitrotoluene	0.99	U	9.88	8.40		ug/L		85	53 - 130	17	50
Di-n-octyl phthalate	0.99	U	9.88	9.96		ug/L		101	19 - 130	13	50
1,4-Dioxane	2.0	U	9.88	4.68		ug/L		47	10 - 130	27	50
Fluoranthene	0.20	U	9.88	8.77		ug/L		89	46 - 136	9	50
Fluorene	0.20	U	9.88	8.22		ug/L		83	48 - 130	15	50
Hexachlorobenzene	0.99	U	9.88	8.00		ug/L		81	49 - 130	18	50
Hexachlorobutadiene	0.99	U	9.88	5.57		ug/L		56	36 - 130	20	50
Hexachlorocyclopentadiene	2.0	U	9.88	4.03		ug/L		41	16 - 130	24	50
Hexachloroethane	0.99	U	9.88	4.18		ug/L		42	32 - 130	18	50
Indeno[1,2,3-cd]pyrene	0.20	U	9.88	7.96		ug/L		81	12 - 130	3	50
Isophorone	0.99	U	9.88	6.86		ug/L		69	45 - 130	14	50
2-Methylnaphthalene	0.20	U	9.88	6.59		ug/L		67	51 - 130	12	50
2-Methylphenol	2.0	U	9.88	6.48		ug/L		66	49 - 130	12	50
3 & 4 Methylphenol	2.0	U	9.88	6.57		ug/L		66	55 - 130	11	50
Naphthalene	0.20	U	9.88	6.46		ug/L		65	35 - 130	17	50
4-Nitroaniline	4.9	U	9.88	5.19		ug/L		53	31 - 147	32	50
2-Nitroaniline	0.99	U	9.88	7.48		ug/L		76	48 - 130	21	50
3-Nitroaniline	4.9	U	9.88	4.9	U F	ug/L		28	18 - 147	63	50
Nitrobenzene	0.99	U	9.88	6.45		ug/L		65	45 - 130	19	50
4-Nitrophenol	4.9	U	9.88	6.95		ug/L		70	36 - 132	16	50
2-Nitrophenol	0.99	U	9.88	6.82		ug/L		69	49 - 130	22	50
N-Nitrosodimethylamine	0.99	U	9.88	6.51		ug/L		66	29 - 130	16	50
N-Nitrosodi-n-propylamine	0.99	U	9.88	7.21		ug/L		73	42 - 130	8	50
N-Nitrosodiphenylamine	0.99	U	9.88	8.17		ug/L		83	38 - 130	23	50
Pentachlorophenol	4.9	U	9.88	7.28		ug/L		74	12 - 156	18	50
Phenanthrene	0.20	U	9.88	8.79		ug/L		89	45 - 134	14	50
Phenol	0.99	U	9.88	5.95		ug/L		60	44 - 130	13	50
Pyrene	0.20	U	9.88	9.55		ug/L		97	47 - 143	17	50
Pyridine	4.9	U	9.88	5.45		ug/L		55	10 - 130	28	50
1,2,4-Trichlorobenzene	0.99	U	9.88	5.36		ug/L		54	39 - 130	19	50
2,4,6-Trichlorophenol	0.99	U	9.88	7.69		ug/L		78	61 - 130	20	50
2,4,5-Trichlorophenol	0.99	U	9.88	8.20		ug/L		83	61 - 130	21	50

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70683-8 MSD
Matrix: Water
Analysis Batch: 211582

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*50*		*27 - 130*
Nitrobenzene-d5 (Surr)	*56*		*32 - 130*
Terphenyl-d14 (Surr)	*78*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*75*		*30 - 130*
2-Fluorophenol (Surr)	*51*		*25 - 130*
2-Fluorobiphenyl	*61*		*34 - 130*

Lab Sample ID: 680-70683-8 MSD
Matrix: Water
Analysis Batch: 211714

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Acetylaminofluorene	0.99	U	10.3	7.85		ug/L		76	10 - 130	0	50
alpha,alpha-Dimethyl phenethylamine	9.9	U	10.3	10	U	ug/L		59	10 - 130	NC	50
4-Aminobiphenyl	4.9	U	10.3	5.1	U F	ug/L		9	10 - 130	NC	50
Aramite, Total	1.5	U	10.3	8.13		ug/L		79	10 - 130	9	50
Diallate	0.99	U	10.3	7.04		ug/L		68	10 - 130	0	50
2,6-Dichlorophenol	0.99	U	10.3	6.38		ug/L		62	10 - 130	7	50
Dimethoate	2.0	U	10.3	5.89		ug/L		57	10 - 130	3	50
7,12-Dimethylbenz(a)anthracene	0.99	U	10.3	5.50		ug/L		53	10 - 130	4	50
3,3'-Dimethylbenzidine	20	U	25.7	21	U F	ug/L		0	10 - 130	NC	50
1,3-Dinitrobenzene	0.99	U	10.3	7.21		ug/L		70	10 - 130	7	50
Dinoseb	2.0	U	10.3	9.42		ug/L		92	10 - 130	10	50
Disulfoton	0.99	U	10.3	5.88		ug/L		57	10 - 130	21	50
Ethyl methanesulfonate	2.0	U	10.3	4.85		ug/L		47	10 - 130	3	50
Ethyl Parathion	2.0	U	10.3	7.60		ug/L		74	10 - 130	3	50
Famphur	0.99	U	10.3	5.94		ug/L		58	10 - 130	14	50
Hexachlorophene	490	U *	51.4	510	U F	ug/L		0	10 - 130	NC	50
Hexachloropropene	0.99	U	10.3	1.77		ug/L		17	10 - 130	16	50
Isosafrole	0.99	U	10.3	5.80		ug/L		56	10 - 130	0	50
Methapyrilene	200	U	51.4	210	U	ug/L		31	10 - 130	NC	50
3-Methylcholanthrene	0.99	U	10.3	1.68		ug/L		16	10 - 130	6	50
Methyl methanesulfonate	2.0	U	10.3	2.63		ug/L		26	10 - 130	11	50
Methyl parathion	0.99	U	10.3	7.15		ug/L		70	10 - 130	3	50
1,4-Naphthoquinone	0.99	U	10.3	4.50		ug/L		44	10 - 130	6	50
1-Naphthylamine	4.9	U	10.3	5.1	U	ug/L		16	10 - 130	NC	50
2-Naphthylamine	4.9	U	10.3	5.1	U F	ug/L		0	10 - 130	NC	50
4-Nitroquinoline-1-oxide	2.0	U	10.3	2.30		ug/L		22	10 - 130	36	50
N-Nitro-o-toluidine	0.99	U	10.3	6.13		ug/L		60	10 - 130	22	50
N-Nitrosodiethylamine	0.99	U	10.3	5.74		ug/L		56	10 - 130	9	50
N-Nitrosodi-n-butylamine	0.99	U	10.3	6.45		ug/L		63	10 - 130	5	50
N-Nitrosomethylethylamine	2.0	U	10.3	5.43		ug/L		53	10 - 130	13	50
N-Nitrosomorpholine	0.99	U	10.3	6.11		ug/L		59	10 - 130	4	50
N-Nitrosopiperidine	0.99	U	10.3	6.45		ug/L		63	10 - 130	4	50
N-Nitrosopyrrolidine	0.99	U	10.3	6.11		ug/L		59	10 - 130	9	50
o,o',o''-Triethylphosphorothioate	0.99	U	10.3	6.27		ug/L		61	10 - 130	2	50
p-Dimethylamino azobenzene	4.9	U	10.3	6.78		ug/L		66	10 - 130	12	50
Pentachlorobenzene	0.99	U	10.3	5.03		ug/L		49	10 - 130	6	50
Pentachloronitrobenzene	0.99	U	10.3	7.89		ug/L		77	10 - 130	4	50

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-70683-8 MSD
Matrix: Water
Analysis Batch: 211714

Client Sample ID: MW-F15 (072211)
Prep Type: Total/NA
Prep Batch: 210074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Phenacetin	0.99	U	10.3	6.76		ug/L		66	10 - 130	5	50
Phorate	0.99	U	10.3	6.07		ug/L		59	10 - 130	5	50
2-Picoline	2.0	U	10.3	4.34		ug/L		42	10 - 130	17	50
p-Phenylene diamine	200	U	51.4	210	U F	ug/L		0	10 - 130	NC	50
Pronamide	0.99	U	10.3	7.38		ug/L		72	10 - 130	1	50
Safrole, Total	0.99	U	10.3	5.48		ug/L		53	10 - 130	6	50
Sulfotepp	0.99	U	10.3	6.95		ug/L		68	10 - 130	2	50
1,2,4,5-Tetrachlorobenzene	0.99	U	10.3	3.67		ug/L		36	10 - 130	1	50
2,3,4,6-Tetrachlorophenol	0.99	U	10.3	7.70		ug/L		75	10 - 130	10	50
Thionazin	0.99	U	10.3	7.04		ug/L		69	10 - 130	1	50
2-Toluidine	0.99	U	10.3	4.02		ug/L		39	10 - 130	21	50
1,3,5-Trinitrobenzene	0.99	U	10.3	3.48		ug/L		34	10 - 130	12	50

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*50*		*27 - 130*
Nitrobenzene-d5 (Surr)	*50*		*32 - 130*
Terphenyl-d14 (Surr)	*70*		*36 - 130*
2,4,6-Tribromophenol (Surr)	*72*		*30 - 130*
2-Fluorophenol (Surr)	*46*		*25 - 130*
2-Fluorobiphenyl	*55*		*34 - 130*

QC Association Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

GC/MS VOA

Analysis Batch: 210094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210094/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210094/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210094/7	Method Blank	Total/NA	Water	8260B	
680-70683-1	MW-26 (072111)	Total/NA	Water	8260B	
680-70683-2	MWD-28 (072211)	Total/NA	Water	8260B	
680-70683-3	MW-27 (072211)	Total/NA	Water	8260B	
680-70683-4	MWD-27 (072211)	Total/NA	Water	8260B	
680-70683-5	MW-F7 (072211)	Total/NA	Water	8260B	

Analysis Batch: 210445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210445/7	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210445/8	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210445/10	Method Blank	Total/NA	Water	8260B	
680-70683-6	DUP-01 (072211)	Total/NA	Water	8260B	
680-70683-7	MWD-30 (072211)	Total/NA	Water	8260B	
680-70683-8	MW-F15 (072211)	Total/NA	Water	8260B	
680-70683-9	MWD-F1 (072211)	Total/NA	Water	8260B	
680-70683-10	MWD-F2 (072211)	Total/NA	Water	8260B	
680-70683-11	MWD-F3 (072211)	Total/NA	Water	8260B	
680-70683-15	MW-F17 (072211)	Total/NA	Water	8260B	
680-70683-8 MS	MW-F15 (072211)	Total/NA	Water	8260B	
680-70683-8 MSD	MW-F15 (072211)	Total/NA	Water	8260B	

Analysis Batch: 210497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210497/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210497/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-70683-14	TB01 (072211)	Total/NA	Water	8260B	
680-70683-12	MW-32 (072111)	Total/NA	Water	8260B	
680-70683-13	MW-28 (072111)	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 210074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70683-1	MW-26 (072111)	Total/NA	Water	3520C	
680-70683-2	MWD-28 (072211)	Total/NA	Water	3520C	
680-70683-3	MW-27 (072211)	Total/NA	Water	3520C	
680-70683-4	MWD-27 (072211)	Total/NA	Water	3520C	
680-70683-5	MW-F7 (072211)	Total/NA	Water	3520C	
680-70683-6	DUP-01 (072211)	Total/NA	Water	3520C	
680-70683-7	MWD-30 (072211)	Total/NA	Water	3520C	
680-70683-8	MW-F15 (072211)	Total/NA	Water	3520C	
680-70683-9	MWD-F1 (072211)	Total/NA	Water	3520C	
680-70683-10	MWD-F2 (072211)	Total/NA	Water	3520C	
680-70683-11	MWD-F3 (072211)	Total/NA	Water	3520C	
680-70683-12	MW-32 (072111)	Total/NA	Water	3520C	
680-70683-13	MW-28 (072111)	Total/NA	Water	3520C	
680-70683-15	MW-F17 (072211)	Total/NA	Water	3520C	
MB 680-210074/15-A	Method Blank	Total/NA	Water	3520C	
LCS 680-210074/16-A	Lab Control Sample	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 210074 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70683-8 MS	MW-F15 (072211)	Total/NA	Water	3520C	
680-70683-8 MSD	MW-F15 (072211)	Total/NA	Water	3520C	
LCS 680-210074/19-A	Lab Control Sample	Total/NA	Water	3520C	
680-70683-8 MS	MW-F15 (072211)	Total/NA	Water	3520C	
680-70683-8 MSD	MW-F15 (072211)	Total/NA	Water	3520C	

Analysis Batch: 211582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-210074/15-A	Method Blank	Total/NA	Water	8270C LL	210074
LCS 680-210074/16-A	Lab Control Sample	Total/NA	Water	8270C LL	210074
LCS 680-210074/19-A	Lab Control Sample	Total/NA	Water	8270C LL	210074
680-70683-1	MW-26 (072111)	Total/NA	Water	8270C LL	210074
680-70683-2	MWD-28 (072211)	Total/NA	Water	8270C LL	210074
680-70683-3	MW-27 (072211)	Total/NA	Water	8270C LL	210074
680-70683-4	MWD-27 (072211)	Total/NA	Water	8270C LL	210074
680-70683-5	MW-F7 (072211)	Total/NA	Water	8270C LL	210074
680-70683-6	DUP-01 (072211)	Total/NA	Water	8270C LL	210074
680-70683-7	MWD-30 (072211)	Total/NA	Water	8270C LL	210074
680-70683-8	MW-F15 (072211)	Total/NA	Water	8270C LL	210074
680-70683-9	MWD-F1 (072211)	Total/NA	Water	8270C LL	210074
680-70683-10	MWD-F2 (072211)	Total/NA	Water	8270C LL	210074
680-70683-11	MWD-F3 (072211)	Total/NA	Water	8270C LL	210074
680-70683-12	MW-32 (072111)	Total/NA	Water	8270C LL	210074
680-70683-13	MW-28 (072111)	Total/NA	Water	8270C LL	210074
680-70683-8 MS	MW-F15 (072211)	Total/NA	Water	8270C LL	210074
680-70683-8 MSD	MW-F15 (072211)	Total/NA	Water	8270C LL	210074

Analysis Batch: 211714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70683-15	MW-F17 (072211)	Total/NA	Water	8270C LL	210074
680-70683-8 MS	MW-F15 (072211)	Total/NA	Water	8270C LL	210074
680-70683-8 MSD	MW-F15 (072211)	Total/NA	Water	8270C LL	210074

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MW-26 (072111)

Lab Sample ID: 680-70683-1

Date Collected: 07/21/11 17:08
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210094	07/26/11 17:55	AGM	TAL SAV
Total/NA	Prep	3520C			501.5 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 18:14	ND	TAL SAV

Client Sample ID: MWD-28 (072211)

Lab Sample ID: 680-70683-2

Date Collected: 07/22/11 08:03
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210094	07/26/11 18:24	AGM	TAL SAV
Total/NA	Prep	3520C			503.7 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 18:40	ND	TAL SAV

Client Sample ID: MW-27 (072211)

Lab Sample ID: 680-70683-3

Date Collected: 07/22/11 09:57
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210094	07/26/11 18:54	AGM	TAL SAV
Total/NA	Prep	3520C			503.1 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 19:06	ND	TAL SAV

Client Sample ID: MWD-27 (072211)

Lab Sample ID: 680-70683-4

Date Collected: 07/22/11 11:28
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210094	07/26/11 19:23	AGM	TAL SAV
Total/NA	Prep	3520C			502.9 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 19:32	ND	TAL SAV

Client Sample ID: MW-F7 (072211)

Lab Sample ID: 680-70683-5

Date Collected: 07/22/11 12:43
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210094	07/26/11 19:53	AGM	TAL SAV
Total/NA	Prep	3520C			1049.6 mL	1.0 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 19:58	ND	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: DUP-01 (072211)

Lab Sample ID: 680-70683-6

Date Collected: 07/22/11 12:00
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210445	07/29/11 03:41	RB	TAL SAV
Total/NA	Prep	3520C			1046.1 mL	1.0 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 20:24	ND	TAL SAV

Client Sample ID: MWD-30 (072211)

Lab Sample ID: 680-70683-7

Date Collected: 07/22/11 14:28
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210445	07/29/11 04:03	RB	TAL SAV
Total/NA	Prep	3520C			1045.2 mL	1.0 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 20:50	ND	TAL SAV

Client Sample ID: MW-F15 (072211)

Lab Sample ID: 680-70683-8

Date Collected: 07/22/11 16:10
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210445	07/29/11 04:25	RB	TAL SAV
Total/NA	Prep	3520C			507.1 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 21:16	ND	TAL SAV

Client Sample ID: MWD-F1 (072211)

Lab Sample ID: 680-70683-9

Date Collected: 07/22/11 13:50
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210445	07/29/11 04:47	RB	TAL SAV
Total/NA	Prep	3520C			510.9 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 21:42	ND	TAL SAV

Client Sample ID: MWD-F2 (072211)

Lab Sample ID: 680-70683-10

Date Collected: 07/22/11 10:25
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210445	07/29/11 05:09	RB	TAL SAV
Total/NA	Prep	3520C			507.5 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 22:08	ND	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Client Sample ID: MWD-F3 (072211)

Lab Sample ID: 680-70683-11

Date Collected: 07/22/11 17:25
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210445	07/29/11 05:32	RB	TAL SAV
Total/NA	Prep	3520C			501.9 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 22:34	ND	TAL SAV

Client Sample ID: MW-32 (072111)

Lab Sample ID: 680-70683-12

Date Collected: 07/21/11 15:30
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 12:42	RB	TAL SAV
Total/NA	Prep	3520C			502.9 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 23:00	ND	TAL SAV

Client Sample ID: MW-28 (072111)

Lab Sample ID: 680-70683-13

Date Collected: 07/21/11 17:05
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 13:11	RB	TAL SAV
Total/NA	Prep	3520C			503.1 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211582	08/10/11 23:25	ND	TAL SAV

Client Sample ID: TB01 (072211)

Lab Sample ID: 680-70683-14

Date Collected: 07/22/11 17:00
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210497	07/28/11 10:45	RB	TAL SAV

Client Sample ID: MW-F17 (072211)

Lab Sample ID: 680-70683-15

Date Collected: 07/22/11 17:50
Matrix: Water
Date Received: 07/23/11 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210445	07/29/11 05:54	RB	TAL SAV
Total/NA	Prep	3520C			505.3 mL	0.5 mL	210074	07/26/11 14:51	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			211714	08/11/11 17:01	ND	TAL SAV

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 0400011

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Ashland - Savanagh	PROJECT NO.: 0H004000.11030	PROJECT LOCATION (STATE): GA	PAGE 1 OF 2
TAL (LAB) PROJECT MANAGER	P.O. NUMBER: NA	CONTRACT NO.: NA	STANDARD REPORT DELIVERY ● DATE DUE: Std
CLIENT (SITE) PM: David Wilderman	CLIENT PHONE: 770.428.9009	CLIENT FAX: 770.428.4044	
CLIENT NAME: ARCADIS	CLIENT E-MAIL: david.wilderman@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE:
CLIENT ADDRESS: 1000 Cobb Place Blvd. Bldg 500A, Kennesaw, GA			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable): NA			

MATRIX TYPE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B VOC	8270LL SVOC									REMARKS
								NONE	NONE	PRESERVATIVE								
072211	1708	MW-26 (072211)	G	X				3	1									
072211	0803	MWD-28 (072211)	G	X				3	1									
072211	0957	MW-27 (072211)	G	X				3	1									
072211	1128	MWD-27 (072211)	G	X				3	1									
072211	1243	MW-F7 (072211)	G	X				3	2									
072211	1200	DUP-01 (072211)	G	X				3	2									
072211	1428	MWD-30 (072211)	G	X				3	2									
072211	1610	MW-F15 (072211)	G	X				6	4									MS/MSD
072211	1350	MWD-F1 (072211)	G	X				3	1									
072211	1025	MWD-F2 (072211)	G	X				3	1									
072211	1725	MWD-F3 (072211)	G	X				3	1									
072211	1530	MW-32 (072211)	G	X				3	1									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	7/23/11	0820						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	7/23/11	0821	YES ○ NO ○		680-70683	1.8°C, 2.8°C, 0.8°C

TAL 8240-680 (1008)

Serial Number 043878

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Ashland - Savannah	PROJECT NO.: 0H004000. .10300	PROJECT LOCATION (STATE): GA	PAGE 2 OF 2
TAL (LAB) PROJECT MANAGER:	P.O. NUMBER: NA	CONTRACT NO.: NA	STANDARD REPORT DELIVERY: ● DATE DUE: [illegible]
CLIENT (SITE) PM: David Wilderman	CLIENT PHONE: 770.428.9009	CLIENT FAX: 770.428.4004	EXPEDITED REPORT DELIVERY (SURCHARGE): ○ DATE DUE:
CLIENT NAME: ARCADIS	CLIENT E-MAIL: david.wilderman@arcadis-us.com		NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
CLIENT ADDRESS: 1000 Cobb Place Blvd. Bldg 500A, Kennesaw, GA			
COMPANY CONTRACTING THIS WORK (if applicable): NA			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 8260B VOC; 8270LL SVOC

PRESERVATIVE: none; none

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B VOC	8270LL SVOC	REMARKS
072111	1705	MW-28 (072111)	G	X				3	1	
072211	1700	TB01 (072211)	G	X				2		
072211	1750	MW-F17 (072211)	G	X				3	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	7/23/11	0820						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	7/23/11	0821	YES ○ NO ○		680-20683	1.8°C, 2.8°C, 0.8°C

TAL 82-10-680 (1008)

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70683-1

Login Number: 70683

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3 coolers rec'd on ice
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8, 2.8, 0.8 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.
Project/Site: Hercules Savannah - GW July 2011

TestAmerica Job ID: 680-70683-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Appendix F

CD Copies (2) of VIRP Plan